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to the

INTERNATIONAL BIBLIOGRAPHY OF RICE RESEARCH

compiled by

**Milagros Zamora
Bibliographer**

**THE INTERNATIONAL RICE RESEARCH INSTITUTE
Los Baños, Laguna, The Philippines**

Mail Address: P. O. Box 933, Manila, Philippines

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INTERNATIONAL BIBLIOGRAPHY OF RICE RESEARCH

1974 Supplement

This bibliography is a continuation of the International Bibliography of Rice Research, 1951-60, and 1961-1973 Supplements.

It contains references published in 1974, plus those published from 1966 to 1973 which were not included in the respective supplements. The arrangement is classified. An author index and a manually produced keyword index are provided. Numbers in the indexes refer to item numbers in the Main Entry Section.

Additional lists of translations available in the IRRI Library and periodical titles added to the 1974 Supplement are included.

Dr. Masatada Oyama and Mrs. Mieko H. Ogura working in Japan, provided most of the Japanese references. Mrs. Rosalinda M. Temprosa indexed the periodicals and Mr. Raymundo Coloquio typed the manuscript.

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TRANSLATIONS

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ABBREVIATIONS OF SERIAL TITLES
(additional titles added to the 1974 Supplement)

- Agric. Technol. [Korea]**
Agricultural Technology, Korea
- Acta Bot. Indica**
Acta Botanica Indica, India
- Agro-Ecosystems**
Agro-Ecosystems
- Appl. Sci. Dev.**
Applied Sciences and Development
- Bitki Koruma Bult.**
Bitki Koruma Bulteni
- Cecidol. Indica**
Ceckdologia Indica, India
- CENTRO**
CENTRO; Revista Cientifica de las Universidad Central de las Villas
- Curr. Res.**
Current Research
- Exp. Gerontol.**
Experimental Gerontology
- Inf. Bot. Ital.**
Informatore Botanico Italiano
- J. Food Mark. Cent.**
Journal of the Food Marketing Centre, India
- Mod. Ceylon Stud.**
Modern Ceylon Studies
- New Guinea Res. Bull.**
New Guinea Research Bulletin
- Noyaku Graph**
Noyaku Graph, Japan
- Pancar**
Pancar
- Philipp. Weed Sci. Bull.**
Philippine Weed Science Bulletin
- Physiol. Plant Pathol.**
Physiological Plant Pathology
- Res. Rep. Univ. Sydney Dep. Agron. Hortic. Sci.**
Research Report, University of Sydney, Dept. of Agronomy and Horticultural Science
- Rev. Ecol. Biol. Sol**
Revue d'Ecologie et de Biologie du Sol
- Rice Entomol. Newsl.**
The Rice Entomology Newsletter, IRRI, Philippines
- Seed Sci. Technol.**
Seed Science and Technology
- Tekn. Bult. Zir. Muc. Zir. Kar. Gen. Mud. Yayinl.**
Teknik Bulten, Zirai Mucadele ve Zirai Karantina Genel Muduriugu Yayinlari

GENERAL

1. ACADEMIA SINICA. INSTITUTE OF BOTANY. Annual report, July 1973 to June 1974. Nankang, Taipei, 1974. 35 p.
2. ALIM, A. An introduction to Bangladesh agriculture. Dacca, M. Alim, 1974. 432, [4] p., illus. Ref.
3. ALVAREZ, M. G. IRRI: center of the world's rice technology. Greenfields 3(1):4-12, illus. n.d.
4. ANGLADETTE, A. Rice in humid tropical Asia. In Natural resources of humid tropical Asia, p.415-438, illus. Ref. Paris, UNESCO, 1974.
5. AOMORI AGRICULTURAL EXPERIMENT STATION. Annual report 1973. (In Japanese) Aomori, 1974. 99 p., illus.
6. ASPECTS of agriculture in India, ed. by G. G. Marchandani. Bombay, Allied Publishers, 1973. 450 p. Rice, p.286-302.
7. ATHWAL, D. S. Current programs of the International Rice Research Institute. In Interaction of agriculture with food science; proc. symp., p.39-52, illus. Ottawa, Canada, International Development Research Centre, 1974. French summary.
8. BANGLADESH RICE RESEARCH INSTITUTE. Review of research on deep water rice in Bangladesh (1917-1960). Dacca, Aug.1974. 127 p., illus.
9. BAKHAREVA, S. N., KORSAKOV, N. I., and LEMESHEV, N. K. Polevye kul'tury zapadnoi afriki (Senegal, Mali, Gvineya). [Field crops of West Africa (Senegal, Mali, Guinea)] Tr. Prikl. Bot. Genet. Sel. 50(3):268-290, illus. 1973. English summary. Rice, p.285-287.
10. BEEVOR, P. S. Report on a visit to the Philippines, 12 to 23 March 1974. London, Tropical Products Institute, 1974. 10 p. Includes visit and discussions at IRRI.
11. BORGSTROM, G. Focal points; a global food strategy. New York, Macmillan, 1971. 320 p., illus. The green revolution, p.172-201.
12. BROWN, L. R. By bread alone. New York, Praeger, 1974. 272 p., illus. Green revolution, p.133-146.
13. CALIFORNIA. RICE RESEARCH BOARD. Fifth progress report to the California rice growers. Yuba City, 1974. 23 p.
14. CASTRO, D. V. The Filipino graduates of the Rice Production Training Program: a follow-up study. College, Laguna, 1972. 138, 12 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
15. CENTRAL AGRICULTURAL EXPERIMENT STATION, JAPAN. Annual report 1972. (In Japanese) Konosu, 1974. 96 p., illus.
16. CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE. Annual report, 1972. Mysore, 1974. 130 p.
17. CENTRAL RESEARCH INSTITUTE FOR AGRICULTURE, INDONESIA. Annual report, 1971. Bogor, 1973. 137 p., illus.
18. CENTRAL RESEARCH INSTITUTE FOR AGRICULTURE, INDONESIA. SUKAMANDI BRANCH. Quarterly report, June 30, 1974. Sukamandi, West Java, 1974. 14 p., annexes.
19. CENTRO DE INVESTIGACIONES AGRICOLAS "ALBERTO BOERGER", URUGUAY. Arroz. [Rice]. Bol. Divulg. 22, 87 p., illus. Oct. 1973.
20. CHAMBERS, R., and MORIS, J. MWEA: an irrigated rice settlement in Kenya. Munchen, Weltforum Verlag, 1973. 539 p., illus. Ref.
21. CHANG, T. T. Highlights of research activities at the International Rice Research Institute. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 12 p., tables.
22. CONSULTATIVE GROUP ON INTERNATIONAL AGRICULTURAL RESEARCH. International research in agriculture. New York, 1974. 70 p., illus. Includes The International Rice Research Institute.

23. DALY, R. F. Thailand's agriculture: trends, prospects and problems. Bangkok, Office of Agricultural Development, U.S. Operations Mission, May 1974. 63 p., illus.
24. EVENSON, R. E. Comparative evidence on returns to investment in national and international research institutions. College, Laguna, Dept. of Agricultural Economics, College of Agriculture, U.P. at Los Baños, Nov. 1974. 29 p., illus. Ref. (Staff Paper Ser. 133)
Includes the International Rice Research Institute.
25. FEDERACION SINDICAL DE AGRICULTORES ARROCEROS DE ESPAÑA. Memoria de las actividades desarrolladas durante la campaña 1972-73. [Report on the activities undertaken during the season 1972-73.] Valenoia, 1974. 115 p., illus.
26. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the agricultural team for Bangladesh. Rome, 1973. 2 v.
27. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the forty-eight session of the Committee on Commodity Problems, Rome, 8-19 October 1973. Rome, 1973. 45 p.
28. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the sixteenth session of the Intergovernmental Group on Rice to the Committee on Commodity Problems. Rome, 1972. 26, xxii p., illus.
29. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the special session of the Intergovernmental Group on Rice to the Committee on Commodity Problems. Rome, 1974. 12, viii p.
30. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Rice terminology. Rome, 1974. 82 p.
Text also in French and Spanish.
31. FREEMAN, W. H., MINEHART, D. J., and RUSSELL, M. B. Organization, development and management of the Bangladesh Rice Research Institute and its programs. Dacca, Ford Foundation, Feb. 1974. 132 p., illus.
32. FUKUOKA AGRICULTURAL EXPERIMENT STATION. Annual report 1973. (In Japanese) Fukuoka, 1974. 252 p., illus.
33. GANDOLFO, V. Bibliografia sobre le arroz. [Bibliography on rice.] Arroz [Peru]8(41):35, 37-39. Dec. 1973/Jan. 1974.
34. GREEN, V. E. The world rice literature becomes bigger, better and more accessible. Riso 23(2):115-126, illus. June 1974.
Italian summary.
35. GRIGG, D. B. The agricultural systems of the world; an evolutionary approach. London, Cambridge University Press, 1974. 358 p., illus. Ref.
Wet rice cultivation in Asia, p.75-111.
36. GRIST, D. H. The International Rice Research Institute, 1972. World Crops 26(3):138. May/June 1974.
37. GUINAN, J. Rice in Malawi. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 7 p., map, table.
38. HASHIMOTO, T. A hundred years in rice culture in Hokkaido. (In Japanese) Sulon no Kenkyu 17(5):3175-3186, illus. Jan. 1974.
39. HAUSER, J. Die grüne Revolution: Werden, Fortschritt und Probleme. [The green revolution: growth, progress and problem.] Zurich, Atlantis, 1972. 203 p., illus. Ref.
40. HYOGO AGRICULTURAL EXPERIMENT STATION. Annual report 1973. (In Japanese) Akashi, 1974. 59 p., illus.
41. IBARAKI AGRICULTURAL EXPERIMENT STATION. Annual report, 1973. (In Japanese) Ibaraki, 1974. 356 p., illus.
42. IIDA, T. Present circumstances of International Rice Research Institute (IRRI). (In Japanese) Nogyo Gijutsu 29(11):501-506, illus. Nov. 1974.
43. INSTITUT DE RECHERCHES AGRONOMIQUES TROPICALES ET DES CULTURES VIVRIERES. Rapport annuel 1972. [Annual report 1972.] Agron. Trop. [France] 29(4):378-555, illus. Apr. 1974.
44. INSTITUT DE RECHERCHES AGRONOMIQUES TROPICALES ET DES CULTURES VIVRIERES (HAUTE-VOLTA). Rapport annuel 1973: amelioration de la riziculture. [Annual report 1973: improvement of rice culture.] Upper Volta, n.d. 37 p.
45. INSTITUTO COLOMBIANO AGROPECUARIO. PROGRAMA NACIONAL DE ARROZ. Informe anual de progreso, 1972. [Annual progress report, 1972.] Palmira, 1973. 30 p., illus.

46. INTERNATIONAL INSTITUTE OF TROPICAL AGRICULTURE. CEREALS IMPROVEMENT PROGRAM. 1973 report. Ibadan, Nigeria, n.d. 41 p., illus.
Includes rice improvement.
47. INTERNATIONAL RICE RESEARCH INSTITUTE. Annual report for 1973. Los Baños, Laguna, 1974. 266 p., illus.
48. INTERNATIONAL RICE RESEARCH INSTITUTE. Research highlights for 1973. Los Baños, Laguna, 1974. 62 p., illus.
49. JAMAICA. MINISTRY OF AGRICULTURE AND FISHERIES. Investigations, 1964-1970. Kingston, 1973. 558 p., illus. (Bull. no.63, n.s.)
Rice, p.135-147.
50. JAMIAS, J. F. Research-media partnership: the development imperative. In Partners for progress; proc. of the Second PCAR-Media Information Workshop, Cebu City, Philippines, 1974, p.42-53.
Includes dissemination of information on miracle rice.
51. JOINT COMMISSION ON RURAL RECONSTRUCTION (U.S. and CHINA). 27th general report (covering the period January 1 to June 30, 1973). Taipei, Taiwan, n.d. 71 p.
Includes rice production.
52. JOINT COMMISSION ON RURAL RECONSTRUCTION (U.S. and CHINA). 28th general report (covering the period July 1 to December 31, 1973). Taipei, Taiwan, n.d. 72 p.
Includes rice production.
53. KAGAWA, M. Primitive agriculture in Japan: latest Jomon agricultural society and means of production. Asian Perspect. 16(1):1-15, illus. Ref. 1973.
Includes rice cultivation.
54. KAGAWA, Y. A study on the traces of the paddy chaffs, regarding the Yayoi-shiki earthenwares. (In Japanese) J. Rural Probl. 9(3/4):137-146. Dec. 1973.
55. KAGAWA AGRICULTURAL EXPERIMENT STATION. Annual report 1973. (In Japanese) Takamatsu, 1974. 214 p., illus.
56. KASETSART UNIVERSITY. Research reports, 1972-1973. (In Thai and English) Bangkok, n.d. 161 p., illus.
Includes researches on rice.
57. KHOSLA, R. K., and others. Review of agricultural experimentation in India during 1965-70. Indian J. Agric. Sci. 43(4):337-340, illus. Apr. 1973.
M. G. Sardana, M. P. Saksena, and M. L. Sahni, joint authors.
58. KILOMBERO AGRICULTURAL TRAINING AND RESEARCH INSTITUTE (KATRIN), TANZANIA. Annual report, 1972-73. Ifakara, Dec. 1973. 167 p., illus.
Rice, p.16-61.
59. KILOMBERO AGRICULTURAL TRAINING AND RESEARCH INSTITUTE (KATRIN), TANZANIA. KATRIN activities for 1973/74. Ifakara, Oct. 1973. 67 p., illus.
60. LANDBOUWPROEFSTATION SURINAME. Jaarverslag 1972. [Annual report for 1972]. Paramaribo, 1974. 67 p.
Rice, p.46-51.
English summary, p.65-66.
61. LAWANI, S. M., and SERIKI, T. A. B. Some characteristics of the world literature on rice. Int. Rice Comm. Newsl. 23(1):1-15, illus. Ref. Mar. 1974.
62. LITZENBERGER, S. C. Guide for field crops in the tropics and the subtropics. Washington, D. C., Agency for International Development, Nov. 1974. 321 p., maps.
Rice, p.42-61. Ref.
63. LU, T. T. An outline of recent agriculture in the Republic of Vietnam. N.p., Chinese Agricultural Technical Mission to Vietnam, Sept. 1974. 41 p.
Includes rice culture.
64. MALAWI. DEPT. OF AGRICULTURE. Annual report for the year 1970/71. Zomba, 1973. 363 p., illus.
65. MAROS RESEARCH INSTITUTE FOR AGRICULTURE, INDONESIA. Annual report, 1972/1973. 108 p., illus.
Rice, p.1-88.
66. MENDOZA, C. V. Communication-related factors and the adjustment of trainees of the International Rice Research Institute to their training situation. College, Laguna, 1971. 103 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.

67. MIYAGI AGRICULTURAL EXPERIMENT STATION. Annual report 1972. (In Japanese) Sendai, 1974. 78 p., illus.
68. MONTRAKUN, S., and SUWANWAONG, S. Rice cultivation. Bangkok, Rice Department, 1971. 65 p., illus.
69. MORINAGA, T. Japanese rice plant. (In Japanese) J. Agric. Soc. Japan 988:1-10. 1967.
70. MUKHERJI, D. K. A note on rice research in West Bengal. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 3 p.
71. NATIONAL ACADEMY OF SCIENCES. African agricultural research capabilities. Washington, D. C., 1974. 221 p., illus., map.
Includes rice.
72. NATIONAL GRAINS AUTHORITY, PHILIPPINES. Annual report 1974. Manila, 1974. 42 p., illus.
73. NEPAL. DEPT. OF AGRICULTURE. National rice improvement program, Nepal, 1974. [n.p., n.d.]
74. NEW SOUTH WALES. DEPT. OF AGRICULTURE. Annual report, 1972-1973. New South Wales, 1974. 208 p., illus.
75. NIGERIA. FEDERAL DEPT. OF AGRICULTURAL RESEARCH. MOOR PLANTATION, IBADAN. Rice research programme 1974-75. Ibadan, n.d. 44 p., illus.
76. NOMA, K. World population - food crisis. Tokyo, Institute of World Food & Agriculture Development, Inc., 1973? 313 p., illus. Ref.
Chapter VII - On "green revolution," miracle rice, etc. - countermeasures to world population and food crisis;
Chapter VIII - How to grow rice crops in cold region.
77. OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN. Progress report of Japan-Indonesia Joint Food Crop Research Program (March 1971-June 1973). Tokyo, June 1973. 88 p., illus.
78. PAKISTAN. PLANNING COMMISSION. Raising the status of Rice Research Station to that of Rice Research Institute at Dokri. Karachi, 1974? 18 p., appendices.
79. PANT (GOVIND BALLABH) UNIVERSITY OF AGRICULTURE & TECHNOLOGY. EXPERIMENT STATION. Annual report 1971-72; research in progress. Pantnagar, n.d. 656 p., illus.
Includes rice agronomy, breeding, entomology, and pathology.
80. PERU. MINISTERIO DE AGRICULTURA. DIRECTOR GENERAL DE PROMOCION AGRARIA. Plan nacional del cultivo del arroz para 1974. [National project for rice cultivation in 1974.] Arroz [Peru] 8(41):12-13, illus. Deo. 1973/Jan. 1974.
81. PHILIPPINE COUNCIL FOR AGRICULTURAL RESEARCH. Agricultural research thrusts in the Philippines for the 1970's. Los Baños, Laguna, 1974. 205 p.
Includes rice.
82. PHILIPPINE COUNCIL FOR AGRICULTURAL RESEARCH. Manpower resources in Philippine agriculture, fisheries & forestry research, 1973-1974. Los Baños, Laguna, 1974. 100 p., annex.
Includes IRRI.
83. PHILIPPINE COUNCIL FOR AGRICULTURAL RESEARCH. National program of research: rice. Los Baños, Laguna, n.d. 83 p., illus.
84. PHILIPPINE COUNCIL FOR AGRICULTURAL RESEARCH. Research in agriculture, forestry and fisheries in the Philippines; August 1974 on-going research projects. Los Baños, Laguna, 1974? 153 p.
Includes rice research.
85. PHILIPPINE COUNCIL FOR AGRICULTURAL RESEARCH. Total requirement for the full development of the Philippine agricultural research capability, FY 1976-1982. Los Baños, Laguna, 1974. 392 p., illus.
86. PLANT science; an introduction to world crops. 2d ed. San Francisco, W. H. Freeman and Co., 1974. 740 p., illus.
Rice, p.416-419, 671-673.
87. RANDHAWA, M. S. Green revolution. New York, John Wiley & Sons, 1974. 207 p., illus.
Includes rice revolution.
88. RAZOHARINORO-RANDRIAMBOAVONJY. Note sur Madagascar pendant la deuxième guerre mondiale: la question du riz. [Note on Madagascar during World War II: the question of rice.] Bull.Madagascar 21(305/306):820-868. Oct./Nov. 1971.
89. ROCKEFELLER FOUNDATION. President's ten-year review & annual report, 1973. New York, n.d. 124 p.
Includes The International Rice Research Institute.

90. ROSS, V. E. An evaluation of short and long term rice production training needs of the WARDA countries. Los Baños, Laguna, IRRI, 1974, 7 p.
91. RUTTAN, V. W. Perspective on the "Green Revolution" in Asia. Univ. Minn. Inst. Agric. Staff Pap. P 71-30, 29 p., illus. Dec. 1971.
92. SAITAMA AGRICULTURAL EXPERIMENT STATION. Annual report, 1972. (In Japanese) Saitama, 1974. 114 p., illus.
93. SAITO, K. Annotated bibliography on Asia and Africa. V. Green revolution. (In Japanese) Tokyo, Institute of Developing Economies, 1974. 107 p.
94. SARAWAK. DEPT. OF AGRICULTURE. RESEARCH BRANCH. Annual report for the year 1972. Kuching, n.d. 272 p., illus.
Rice, p. 130-164.
95. SHIMIZU, M. Agricultural circumstances in India. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 69:53-63, illus. Ref. Mar. 1974.
96. SILVEIRA, E. P. Técnicos definiram no IPEAS pesquisa nacional com arroz. [Definite techniques in IPEAS national research with rice.] Lav. Arroz. 27(280):46-50, illus. July/Aug. 1974.
97. SOUTH CHAD IRRIGATION PILOT PROJECT. Progress report, September 1970-December 1971. [Maiduguri, Nigeria, Ministry of Natural Resources, Irrigation Division, 1972] 37 p.
98. SOUTH CHAD IRRIGATION PILOT PROJECT. Rice report, 1973. Maiduguri, Nigeria, Ministry of Natural Resources, Irrigation Division, 1974. 70 p., illus.
99. SOUZA, D. M., SILVEIRA, E. P., and DAVIS, M. P. Melhoramento do arroz de sequeiro no Brasil. [Improvement of upland rice in Brazil.] Lav. Arroz. 27(280):22-26, illus. July/Aug. 1974.
Researches.
100. SRI LANKA. AGRICULTURAL RESEARCH STATION. Half yearly report, Maha 1970/71. Maha-Illuppallama, 1971. 53 p., illus.
101. SRI LANKA. AGRICULTURAL RESEARCH STATION. Half yearly report, Yala 1972. Maha-Illuppallama, n.d. 80 p., illus.
102. STAVIS, B. China's green revolution. Cornell Univ. East Asia Pap. 2, 54 p., illus. Ref. Jan. 1974.
103. SUDA, M. Rice and Japanese people. (In Japanese) Shokuryu Kanri Geppo 23(9):3-18, illus. Sept. 1971.
104. SWANSON, B. E. Training agricultural research and extension workers from less developed countries: an examination of training approaches used by The International Rice Research Institute and The International Maize and Wheat Improvement Center. Madison, Wis., 1974. 419 p., illus. Ref.
Thesis (Ph. D.)--University of Wisconsin.
105. TAHIR, W. M. FAO policy and programmes on training in improvement and production of field food crops. FAO Inf. Bull. Near East Proj. Cereal Impr. Prod. 11(3):1-8, illus. 1974.
106. TAIWAN AGRICULTURAL RESEARCH INSTITUTE. Annual report 1973. (In Chinese) Taipei, Taiwan, n.d. 193 p., illus.
Includes rice experiments.
107. TAN, F. S. The widening fields of Maligaya. Greenfields 3(1):32-35, illus. n.d.
Maligaya Rice Research and Training Center in Muñoz, Nueva Ecija, Philippines.
108. TANAKA, M. Rice culture in recent China. (In Japanese) Agric. Hort. 49(8):980-984, illus. Aug. 1974.
109. TINARELLI, A. La coltivazione del riso. [The cultivation of rice.] Bologna, "Edizioni Agricole", 1973. 425 p., illus. Ref.
110. TOTTORI AGRICULTURAL EXPERIMENT STATION. Annual report 1973. (In Japanese) Tottori, 1974. 69 p., illus.
111. TOURTE, R. Réflexions sur les voies et moyens d'intensification de l'agriculture en Afrique de l'ouest. [Reflections on the possible ways to intensify agriculture in West Africa.] Agron. Trop. [France] 29(9):917-946, illus. Ref. Sept. 1974.
English and Spanish summaries.
112. TURK, K. L. The Cornell-Los Baños story. Ithaca, N. Y., New York State College of Agriculture and Life Sciences, Cornell Univ., 1974. 504 p., illus.
Includes rice programs in U. P. at Los Baños and in IRRI.

113. U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT. International Agricultural Research Network for rice. Washington, D.C., Jan. 1974. 11 p.
114. U.S. CONGRESS. HOUSE. COMMITTEE IN FOREIGN AFFAIRS. World food security: a global priority. Washington, D.C., G.P.O., 1974. 109 p.
Includes "The world food outlook and the Foundation's agricultural activities," the Ford Foundation Staff Working Paper, April 1973, p.29-38.
115. U.S. LIBRARY OF CONGRESS. CONGRESSIONAL RESEARCH SERVICE. International food reserves: background and current proposals. Washington, Govt. Print. Off., 1974. 138 p., illus.
116. UNIVERSITY OF THE PHILIPPINES AT LOS BAÑOS. COLLEGE OF AGRICULTURE. Annual report 1974. College, Laguna, 1974. 66 p., illus.
Includes rice researches.
117. VERMA, U. N., and SARAN, S. A review of rice research in Bihar. Bihar, Rajendra Agricultural University, 1974. 195 p., illus. Ref.
118. VIETNAM. AGRONOMY SERVICE. Annual report on crop improvement program, 1969. Saigon, 1970. 1 v. (various pagings)
119. WADE, N. Green revolution. I-II. Science 186(4169):1093-1096, illus. Dec. 20, 1974; (4170):1186-1189, 1191-1192, illus. Dec. 27, 1974.
I. A just technology, often unjust in use; II. Problems of adapting a western technology.
120. WADE, N. Green revolution: creators still quite hopeful on world food. Science 185(4154):844-845, illus. Sept. 6, 1974.
121. WANG, H., and OOGARAH, P. Report of field work carried out by the agricultural mission from the Republic of China to Mauritius. Rev. Agric. Sucr. Ile Maurice 52(2):65-72, illus. 1973.
122. WEST AFRICA RICE DEVELOPMENT ASSOCIATION. Annual research report. Monrovia, July 1974. 189 p., illus., appendices.
123. WEST AFRICA RICE DEVELOPMENT ASSOCIATION. Final report of the Rice Research Review Meeting. Monrovia, 1974. 12 p., appendices.
124. WORK progress of the Agricultural Missions to Ivory Coast. I-II. (In Chinese) Int. Tech. Coop. Bull.115:21-38; 116:30-40, illus. Oct.-Nov. 1974.

THE RICE PLANT

ANATOMY, MORPHOLOGY, AND HISTOLOGY

125. ACADEMIA SINICA. INSTITUTE OF BOTANY. Fibers of the grasses (gramineae). (In Chinese) Peking, 1973. 189 p., illus.
Oryza sativa, p.55-56.
126. ADACHI, K., and FUTSUHARA, Y. Effects of radiation on the developing rice embryos. I. Cytohistological and histological observations of irradiated embryos. (In Japanese) Jap. J. Breed. 24(1):31-37, illus. Ref. Feb. 1974.
English summary.
127. ARAI, K., and KONNO, Y. Growth characteristics of spikelets at different position on pedicels. I-II. (In Japanese) Rep. Tokai Br. Crop Sci Soc. Japan 69:31-34; 35-38, illus. Mar. 1974.
I. Morphological observation on growth of glumous flower; II. Growth of caryopsis observed from translocation and accumulation of nitrogen.
128. CHONAN, N., KAWAHARA, H., and MATSUDA, T. Morphology on vascular bundles of leaves in gramineous crops. I. Observations on vascular bundles of leaf blades, sheaths and internodes in rice plants. (In Japanese) Proc. Crop Sci Soc. Japan 43(3):425-432, illus. Ref. Sept. 1974.
English summary.
129. EBATA, M. Morphological characteristics of japonica and indica rice. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 68:33-37, illus. Nov. 1973.

130. EBATA, M., and TASHIRO, T. Shattering habit of rice: Morphology of abscission layer. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 69:45-52, illus. Mar. 1974.
131. FUJII, Y. The morphology and physiology of rice roots. Tech. Bull. ASPAC Food Fert. Technol. Cent. 20:17 p., illus. Ref. Aug. 1974.
Condensed in Potash Rev. 9/24:1-2. 1974.
132. HASANUZZAMAN, S. M., YOUSUF, M. A., and AHMED, M. Morphology of deep water rice. In Bangladesh Rice Research Institute. Deep water rice in Bangladesh, p.102-121, illus. Dacca, Aug. 1974.
133. HAYASHI, H. Relations between the grain number and the stalk and the lamina large vascular bundle number. (In Japanese) Bull. Fukui Agric. Exp. Stn. 11:76-84, illus. Ref. Mar. 1974.
English summary.
134. HAYASHI, H. Relationship between the plant type and the number of large vascular bundles in the elongated internodes in the paddy rice varieties. (In Japanese) Proc. Crop Sci. Soc. Japan 43(1):123-124, illus. Mar. 1974.
135. HOJO, Y. Morphology and function of crops. 13. Lodging and stiffness of culm of crops. (In Japanese) Nogyo Gijutsu 29(4):157-162, illus. Ref. Apr. 1974.
136. HOSHIKAWA, K. Morphology and function of crops. 14. Ripening of cereal grain. I-II. (In Japanese) Nogyo Gijutsu 29(5):205-209; (6):254-258, illus. Ref. May-June 1974.
137. IGAUE, I., and others. Glycosidase activities in rice plant culture cells. (In Japanese) Niigata Agric. Sci. 26:89-96, illus. Ref. Mar. 1974.
C. Kitajima, M. Terasawa, and F. Kurasawa, joint authors.
English summary.
138. KATO, K., and SHIMIZU, M. Morphological characters of mutant non-pistil rice plant induced by radiation. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 68:11-16, illus. Nov. 1973.
139. KATO, K., and SHIMIZU, M. Observation on mutant non-pistil rice plant induced by radiation. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 70:23-26, illus. July 1974.
140. KAWAHARA, H., CHONAN, N., and MATSUDA, T. Studies on morphogenesis in rice plants. VII. The morphology of vascular bundles in the vegetative nodes of the culm. (In Japanese) Proc. Crop Sci. Soc. Japan 43(3):389-401, illus. Ref. Sept. 1974.
English summary.
141. KUNO, K., and SHIMIZU, M. Effect of gibberellin on morphogenesis of panicle organs of rice under low temperature condition. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 70:19-22, illus. July 1974.
142. LEE, E. W., KIM, K. H., and KWON, Y. W. Studies on the varietal variation in morphology of the Korean rice cultivars. II. Varietal variation in morphology of vegetative organs and in yield components along the periodical changes of the Korean rice varieties. (In Korean) J. Korean Soc. Crop Sci. 7(1):71-78, illus. Ref. Dec. 1969.
English summary.
143. MIYASAKA, A. Morphology and function of crops. 12. Lodging and root of crop. (In Japanese) Nogyo Gijutsu 29(3):107-112, illus. Ref. Mar. 1974.
144. NAKANO, H., and MAEDA, E. Histology of development and root differentiation in rice callus. (In Japanese) Proc. Crop Sci. Soc. Japan 43(3):345-353, illus. Ref. Sept. 1974.
English summary.
145. NAKANO, H., and MAEDA, E. Morphology of the process of shoot formation in the rice callus culture. (In Japanese) Proc. Crop Sci. Soc. Japan 43(2):151-160, illus. Ref. June 1974.
English summary.
146. NAKAYAMA H. Arrangement of vascular bundles in rice panicle. (In Japanese) Hokuriku Crop Sci. 8:10-11, illus. 1973, pub. Mar. 1974.
147. PUSHPAVESA, R. The influence of some morphological leaf characters and photosynthetic efficiency on yield of rice. College, Laguna, 1971. 67 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
148. RAHMAN, L. A study of external morphology of indica (boro) and japonica rice varieties in boro season of East Pakistan. Agric. Pak. 21(4):427-441, illus. Ref. 1970.
149. REDDY, G. M., and PADMINI, M. Morphological & anatomical features of induced leaf mutants in rice. Indian J. Exp. Biol. 12(1):103-105, illus. Jan. 1974.

150. SATAKE, T. Morphology and function of crops. 15. Cool-summer damage of rice plants due to floral impotency. (1-2). (In Japanese) *Nogyo Gijutsu* 29(7):293-297; (8):352-355, illus. Ref. July-Aug. 1974.
151. SHIMIZU, M., and KATO, K. Seasonal change of structure of spikelet in mutant non-pistil rice. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 68:17-21, illus. Nov. 1973.
152. TAKEOKA, Y., and SHIMIZU, M. Vegetative proliferations of floral spikelets in *Oryza sativa* L. III-IV. (In Japanese) *Proc Crop Sci. Soc. Japan* 43(2):252-260; (3):445-452, illus. Ref. June, Sept. 1974.
English summaries.
III. The external morphology of the proliferations in the spikelets of a mutant strain induced by the treatment of ethylene imine; IV. Histo- and organo-genesis in the proliferated spikelets (I).
153. TASHIRO, T., and EBATA, M. White belly rice: Morphological characteristics of opaque white part of rice. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 70:67-72, illus. July 1974.
154. VAUGHAN, J. G. The structure and utilization of oil seeds. London, Chapman and Hall, 1970. 279 p., illus. Rice, p.97-99.
155. VIANNA E SILVA, M. Elementos para a caracterizaçao e apreciaçao do arroz (*Oryza sativa*, L.). [Elements concerned with the characterization and evaluation of rice (*Oryza sativa*, L.).] Lisboa, Instituto dos Cereais, 1974. 35 p.
156. WATABE, T., and TOSHIMITSU, K. Morphological properties of old rice grains recovered from ruins in Indian sub-continent--a study on the alteration of cultivated rice. In Watabe, T. Origin and alteration of cultivated rice in the Indian sub-continent, vol.2, p.1-18, illus. Japan, Tottori University, 1974.

PHYSIOLOGY AND BIOCHEMISTRY

157. ABE, S., and ONO, S. Relationships between low temperature germeability and viviparity of upland rice varieties. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 13:1-15, illus. Ref. 1973.
158. ACHUTHAN NAYAR, M., and GEORGE, C. M. Note on the nitrogen response and yield of rice (*Oryza sativa* Linn.) in relation to sunshine. *Agric. Res. J. Kerala* 11(2):178. Sept. 1973.
159. AHMAD, M. S. Ecology distribution and production of deep water rice. In *Bangladesh Rice Research Institute. Deep water rice in Bangladesh*, p.1-21, illus. Dacca, Aug. 1974.
160. AHN, H. S., and others. Studies on the use of radioisotope tracer technique to investigate and improve the root activities in rice plant. III. Effects of application of fused magnesium low level phosphate and control of irrigation water. (In Korean) *J. Korean Agric. Chem. Soc.* 16(1):41-48, illus. Ref. Mar. 1973.
J. C. Ro, H. D. Chung, K. W. Kim, and C. Y. Lee, joint authors.
English summary.
161. AIZKOVICH, L. E. Primenenie fiziologicheskii aktivnykh veshchestv v bor'be s kislorodnym golodaniem semyan risa v period vskhodov. [Application of physiologically active substances to rice under O₂ deficiency.] *Tr. Dnepropetr. S-kh. Inst.* 9:53-58, illus. 1967.
162. ALAM, S. M., and KARIM, M. Effect of sulphur on S-uptake and dry matter yield of rice plant with respect of soil sulphur. *Pak. J. Sci. Res.* 24(3/4):222-226, illus. Ref. July/Oct. 1972.
163. ANEMA, L. S. Fotoperiodieke onderzoeken bij rijst waterhoogte- en temperatuur-ijeropname relaties. [Photoperiodic research on deep water rice and temperature-iron relations.] Wageningen, Afdeling Tropische Landbouw Plantenteelt, May 1974. 41 p., illus.
164. APP, A., and GRANADOS, R. R. Isolation of nuclei from rice tissue grown in suspension culture. *Planta* 120(2):201-205, illus. Ref. 1974.
165. ARAI, K., and KONO, Y. Growth characteristics of spikelets at different position on pedicels. III. Translocation of ¹⁵N applied after heading period to spikelets. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 70:55-58, illus. July 1974.
166. ARANEZ, A. L. T. Responses of some rice varieties to alkylating agents. Dillman, Q. C., 1974. 149 p., illus. Ref. Thesis (Ph.D.)--University of the Philippines.
167. ARIMA, Y. Rapid incorporation of N into amide nitrogen of rice seedling roots from (¹⁵NH₄)₂SO₄. (In Japanese) *J. Sci. Soil Manure Japan* 45(11):509-512, illus. Ref. Nov. 1974.

168. ASCENCIO, J., and SCHULZ S., E. Relación entre el periodo de imbibición y la actividad respiratoria de semillas de arroz (*Oryza sativa* L. var. 'Blue Bonnet') germinadas en aerobiosis y en anaerobiosis. I. Plantulas unidas al grano. [Relation between the imbibitory period and respiratory activity of rice seeds (*Oryza sativa* L. var. 'Blue Bonnet') after germination in aerobiosis and anaerobiosis. I. Plantules attached to the grain.] *Agron. Trop.* [Venezuela] 23(4):355-363, illus. July/Aug. 1973.
English summary.
169. BADEA, I., PAUNET, M., and BERCA, M. Modificari biochimice in boabele de orez, datorate conditiilor climatice, solurilor folosite si tratamentelor cu erbicide. [Biochemical modifications in rice grains, according to climatic conditions, the varieties used and herbicide treatments.] *Lucr. Sci. Inst. Agron. "Nicolae Balcescu" B* 14:117-126, illus. 1971, pub. 1973.
English, French, and Russian summaries.
170. BAGCHI, S. A possible correlation between ageing and irradiation damage in rice. *Radiat. Bot.* 14(4):309-313, illus. Ref. Dec. 1974.
171. BAUN, L. C. Biochemical studies on dormancy of the rice grain. College, Laguna, 1972. 64 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
172. BAYONOVE, J., SOLER, A., and JONARD, R. Influence de la teneur en eau des semences de riz sur leur sensibilité vis-à-vis du rayonnement y du cobalt 60. [Effect of seed water content of rice on sensitivity to radiation from cobalt 60]. *C. R. Hebd. Seances Acad. Sci. Ser. D* 278(19):2481-2484, illus. 1974.
173. BHARGAVA, S. C., and KHANNA, R. Hormonal analysis of juvenility in rice. *Indian J. Plant Physiol.* 14(1/2):174-185, illus. 1971.
174. BHAT, S. P., and PADAYATTY, J. D. Presence of conserved messenger RNA in rice embryos. *Indian J. Biochem. Biophys.* 11(1):47-50, illus. Ref. Mar. 1974.
175. BOSE, S., and SHARMA, P. D. Preliminary studies on the effect of combined treatment of colchicine and gibberellic acid on rice. *Agric. Agro-ind. J.* 5(12):31-32, illus. Dec. 1972.
176. CAGAMPANG, G. B., PATHAK, M. D., and JULIANO, B. O. Metabolic changes in the rice plant during infestation by the brown planthopper, *Nilaparvata lugens* Stal (Hemiptera: Delphacidae). *Appl. Entomol. Zool.* 9(3):174-184, illus. Ref. Sept. 1974.
177. CHAMURA, S., and others. Studies on the development of rice root-system and nutrient absorption in the young seedling culture. (In Japanese) *Niigata Agric. Sci.* 26:1-7, illus. Mar. 1974.
Y. Tanaka, S. Shimozima, T. Kondo, and K. Kotake, joint authors.
178. CHANG, H. H., KU, Y. L., and LAI, K. L. A study on the chilling resistance of rice seedlings. I. On the chilling resistance among rice varieties. (In Chinese) *J. Agric. Assoc. China* 86:19-27, illus. June 1974.
English summary.
179. CHAUDHRY, M. R. Studies on sulfur nutrition of rice plant. College, Laguna, 1971. 64 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
180. CHEN, C. S., CHANG, L. C., and SU, H. Effects of alternating day-night temperatures on maturity of rice grains. (In Chinese) *Mem. Coll. Agric. Natl. Taiwan Univ.* 15(2):28-37, illus. Ref. Dec. 1974.
English summary.
181. CHEN, M. C., KAO, C. H., and TANG, W. T. The relationship between α -amylase synthesis and cereal seed germination. *Mem. Coll. Agric. Natl. Taiwan Univ.* 14(2):124-130, illus. Ref. Dec. 1973.
Chinese summary.
182. CHI, K. S., TSAI C. H., and HUANG, C. S. Growth behavior and grain production of three rice varieties exhibiting different plant types in Taipei. (In Chinese) *J. Taiwan Agric. Res.* 23(3):166-175, illus. Sept. 1974.
English summary.
Tainung 61, Kaohsiung Sen Yu 12, and Taichung Strain 138.
183. CHOUDHURY, S. H. The growth habits of deep water rice--its physiological basis. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 2 p.
184. CHU, C. Effects of simetryne on nitrate reductase and adenosine triphosphatase activities in rice. (In Chinese) *Mem. Coll. Agric. Natl. Taiwan Univ.* 15(2):94-104, illus. Ref. Dec. 1974.
English summary.
185. COOMBE, B. G., and others. Gibberellin-like activity of Helminthosporic acid analogues. *Aust. J. Plant Physiol.* 1(4):473-481, illus. Ref. Dec. 1974.
L. N. Mander, L. G. Paleg, and J. V. Turner, joint authors.
Includes effects on Tan-ginbozu dwarf rice.

186. COOPER, A. J. Root temperature and plant growth; a review. England, Commonwealth Agricultural Bureaux, 1973. 73 p., illus. Ref.
187. DAS, B. K., and SEN, S. P. Effect of mineral deficiency on photosynthetic $^{14}\text{CO}_2$ fixation by crop plants. *In* Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp., 1970, p.207-215, illus. Bombay, Dept. of Atomic Energy, 1971.
Includes discussion.
188. DAS GUPTA, D. K., and BASUCHAUDHURI, P. Effect of molybdenum on the nitrogen metabolism of rice. *Exp. Agric.* 10(4):251-255, illus. Ref. Oct. 1974.
189. DAS GUPTA, D. K., and BASUCHAUDHURI, P. A method to increase protein content in rice. *Curr. Sci.* 43(15):495-496, illus. Aug. 5, 1974.
190. DATTA, S. K., and BANERJI, B. Behaviour of rice varieties under varying flooded and non-flooded conditions. *Indian J. Agric. Sci.* 43(12):1040-1046, illus. Dec. 1973.
191. DATTA, S. K., and SOM, J. Note on the effect of salinity on the structural changes in the stem of rice varieties. *Indian J. Agric. Sci.* 43(6):614-617, illus. Ref. 1973.
192. DEV, G., and others. Efficiency of four high yielding varieties of paddy for absorption of fertilizer phosphorus. *In* Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp., 1970, p.369-376, illus. Ref. Bombay, Dept. of Atomic Energy, 1971.
A. Singh, G. S. Bahl, and N. S. Randhawa, joint authors.
193. DIJKSHOORN, W., SUJITNO, J. S. A., and ISMUNADJI, M. Potassium uptake by rice plants and interaction with other cations. *Plant Soil* 40(3):525-534, illus. June 1974.
194. ENDO, N., SHIRAHATA, H., and TAKAHASHI, K. Absorption of nutrients by upland crops after soil amendment. 1. Absorption of nutrients by gramineous upland crops. (In Japanese) *Tohoku Agric. Res.* 15:169-174, illus. Apr. 1974.
195. FAGERIA, N. K. Kinetics of phosphate absorption by intact rice plants. *Aust. J. Agric. Res.* 25(3):395-400, illus. Ref. May 1974.
196. FAULL, K. F., COOMBE, B. G., and PALEG, L. G. Biosynthesis of gibberellins in barley and dwarf rice seedlings. *Aust. J. Plant Physiol.* 1(2):199-210, illus. Ref. June 1974.
197. FERNANDEZ, D. B. Growth and yield of rice in relation to time of planting. College, Laguna, 1972. 68 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
198. FLOR M., C. A., CHEANEY, R., and SANCHEZ NEIRA, P. O problema da deficiencia do zinco no arroz. [The problem of zinc deficiency in rice.] *Lav. Arroz.* 27(284):20-23, illus. Nov./Dec. 1974.
199. FLOR M., C. A., CHEANEY, R., and SANCHEZ NEIRA, P. El problema de la deficiencia de zinc en arroz en Colombia. [The problem of zinc deficiency in rice in Colombia.] *Riso* 23(3):287-291, illus. Sept. 1974.
Italian summary.
200. FORNO, D. A. Studies on suspected varietal differences in the zinc nutrition of rice. Brisbane, Queensland, 1971. 66 p., illus. Ref.
Thesis (M.Agr.)--University of Queensland.
201. FRANKEL, O. H. The IRRI phytotron: science in the service of human welfare. (Address delivered on the occasion of the dedication of the phytotron at the IRRI, Los Baños, 1974) 14 p.
202. FUKUJU, H., KUDO, K., and SASAKI, N. Activity of peroxidase and isozymic variation in rice plant. (In Japanese) *Rep. Tohoku Br. Crop Sci. Soc. Japan* 16:73-77, illus. Ref. Mar. 1974.
203. FUKUYAMA, M., TAKEDA, T., and TANIYAMA, T. Studies on the effects of oxygen concentration on the photosynthesis and the growth of crop plants. I. The effects of oxygen concentration under various growth temperatures on the growth of wheat and rice plants. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(2):267-277, illus. Ref. June 1974.
English summary.
204. GANDHI, A. P., and others. Effect of inhibition of the Hill reaction on polyribosomes level & on induced synthesis of nitrate and nitrite reductases on rice seedlings. *Indian J. Biochem. Biophys.* 11(1):40-42, illus. Ref. Mar. 1974
S. K. Sawhney, S. L. Mehta, and M. S. Naik, joint authors.
205. GANDHI, A. P., and NAIK, M. S. Role of roots, hormones and light in the synthesis of nitrate reductase and nitrite reductase in rice seedlings. *FEBS (Feds. Eur. Biochem. Soc.) Lett.* 40(2):343-345. Apr. 1974.

206. GIORDANO, P. M., and MORTVEDT, J. J. Response of several rice cultivars to Zn. *Agron. J.* 66(2):220-223, illus. Ref. Mar./Apr. 1974.
207. GIORDANO, P. M., NOGGLE, J. C., and MORTVEDT, J. J. Zinc uptake by rice as affected by metabolic inhibitors and competing cations. *Plant Soil* 41(3):637-646, illus. Ref. Dec. 1974.
208. GOPALAKRISHNAN, S., and SIRCAR, S. M. Changes in the free amino acid constituents of the seedlings of rice (*Oryza sativa* L.) after treatment with the root extract of water-hyacinth (*Eichhornia crassipes* (Mart.) Solms.). *Indian J. Agric. Sci.* 43(11):1012-1015, illus. Ref. Nov. 1973.
209. GOPALAKRISHNAN, S., and SIRCAR, S. M. A comparative study of the effect of some growth regulators on the biochemistry of *Oryza sativa* L. *Ann. Bot.* 38(154):115-120, illus. Ref. Jan. 1974.
210. GOPINATHAN NAIR, V. Radiosensitivity of rice seeds of different varieties. *Agric. Res. J. Kerala* 11(1):69-74, illus. Ref. Mar. 1973.
211. GREEN, C. E., and PHILLIPS, R. L. Potential selection system for mutants with increased lysine, threonine, and methionine in cereal crops. *Crop Sci.* 14(6):827-830, illus. Ref. Nov./Dec. 1974.
Includes rice.
212. GUIMARAES, G., and INFORZATO, R. Desenvolvimento do sistema radicular do arroz semeado diretamente e plantado por mudas, em duas series de solo do vale do Paraiba, SP. [The development of the root system of rice directly sown or planted by seedlings in two series of soils at Paraiba valley, SP.] *Bragantia* 32(5):137-147, illus. Mar. 1973.
English summary.
213. GUPTA, I. C. Lithium tolerance of wheat, barley, rice and gram at germination and seedling stage. *Indian J. Agric. Res.* 8(2):103-107, illus. Apr./June 1974.
214. GUPTA, V. K., and PAWAR, V. S. Leucine aminopeptidase activity in tall and dwarf cultivars of rice at successive stages of development. *Ann. Bot.* 38(154):205-208, illus. Ref. Jan. 1974.
215. HANADA, K. Studies on branching habits in crop plants. VIII. Varietal differences of tillering ability of rice plants under controlled conditions varied in light intensity and temperature. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(1):88-98, illus. Ref. Mar. 1974.
English summary.
216. HAQUE, M. Z. Physiological behaviour of deep water rice. *In* Bangladesh Rice Research Institute. Deep water rice in Bangladesh, p.45-59, illus. Dacca, Aug. 1974.
217. HARADA, J., and NAKAYAMA, H. Diminishing effect of 6-benzyladenine treatment after heading on the nitrogen content of rice kernel (preliminary report). (In Japanese) *Hokuriku Crop Sci.* 8:16-17, illus. 1973, pub. Mar. 1974.
218. HARADA, J., and NAKAYAMA, H. Effects of gibberellin and simazine applications after heading on the ripening of rice (preliminary report). (In Japanese) *Hokuriku Crop Sci.* 8:20-21, illus. Ref. 1973, pub. Mar. 1974.
219. HARADA, J., and NAKAYAMA, H. Effects of leafblade removal at flowering on the rice cultivars, "Koshiji-wase" and "Fujiminori". (In Japanese) *Hokuriku Crop Sci.* 8:13-15, illus. 1973, pub. Mar. 1974.
220. HARADA, J., and NAKAYAMA, H. Effects of morphactin and α -naphthylacetic acid on the growth of dwarf and normal rice. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(3):462-464, illus. Ref. Sept. 1974.
221. HARADA, J., and NAKAYAMA, H. The inhibitory effect of tannic acid on the gibberellic acid-induced growth of rice. *Proc. Crop Sci. Soc. Japan* 43(4):493-497, illus. Ref. Dec. 1974.
Japanese summary.
222. HARADA, J., and NAKAYAMA, H. Leaf characters of tall and short varieties of rice. (In Japanese) *Hokuriku Crop Sci.* 8:17-20, illus. 1973, pub. Mar. 1974.
223. HAYASHI, H. Relations between difference of varietal resistance with respect to solutions of sodium cobalt nitrate, etc., among varieties and several characteristics in rice seedlings. (In Japanese) *Bull. Fukui Agric. Exp. Stn.* 11:85-97, illus. Ref. Mar. 1974.
224. HAYASHI, K., and TORII, K. Volatile carbonyl compounds of scent rice. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):162-163, illus. 1974.
225. HAZRA, S. K., CHATTOPADHYAY, N. C., and GUPTA, S. K. The physiological basis of varietal differences in yield of high yielding rice varieties. *Indian Agric.* 18(2):183-192, illus. Ref. 1972.
226. HEGDE, B. A., and HOSHI, G. V. Mineral salt absorption in saline rice variety, Kala Rata. *Plant Soil* 41(2):421-424, illus. Ref. Oct. 1974.

227. HIRAGA, K., YAMANE, H., and TAKAHASHI, N. Biological activity of some synthetic gibberellin glucosyl esters. *Phytochemistry* 13(11):2371-2376, illus. Nov. 1974.
Dwarf rice seedling bioassay included.
228. HO-HUU-DAC. Effect of silicon on the growth of rice grown on four soils in Vietnam. Cantho, Vietnam, University of Cantho, Faculty of Agriculture, 1974. 67 p., illus.
229. HONMA, Y., and HIRATA, H. The effects of heavy metals on the growth, yield and Cd, Zn and Cu content of rice plants. (In Japanese) *J. Sci. Soil Manure Japan* 45(8):368-377, illus. Ref. Aug. 1974.
230. HOSOI, N., and TAKAHASHI, N. Studies on the internode elongation in rice plants. 1. Environmental responses of non-elongation 2nd internode in mutant strains. (In Japanese) *Environ. Contr. Biol.* 9(3/4):83-90, illus. Dec. 1971.
English summary.
231. HOUNG, K. H., and others. Sugar and nitrogen levels in tissues of rice plants in relation to the yield. *J. Chin. Agric. Chem. Soc. Spec. Issue* 1972:66-75, illus.
T. P. Liu, C. T. Wei, and T. T. Chen, joint authors.
232. HOZUMI, Y., NAKAYAMA, K., and YOSHIDA, K. Allelopathy of wheat, barley and rye on the growth of rice plant. (In Japanese) *J. Cent. Agric. Exp. Stn. [Japan]* 20:87-102, illus. Ref. Mar. 1974.
English summary.
233. HUGUET, C. Quelques aspects particuliers de la nutrition du riz et de la fertilisation de rizières. [Some particular aspects of rice nutrition and fertilization of ricefields.] *Bull. Inf. Rizicult. Fr.* 150:11-13, illus. Jan./Feb. 1974.
234. IKEDA, K. Change of flowering response accompanying photoperiodic response and aging of young rice seedlings. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 71:1-3, illus. Nov. 1974.
235. IKEDA, K., and ITO, T. Forecasting rice flower bud formation by infrared ray. II. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 69:23-26, illus. Mar. 1974.
236. IKEDA, K. Photoperiodic control of floral initiation in rice plant. I. Light requirement during the photoperiod. *Proc. Crop Sci. Soc. Japan* 43(3):375-381, illus. Ref. Sept. 1974.
Japanese summary.
237. IKESUGI, Y., KATAOKA, K., and YAMAGUCHI, S. Relation between rooting ability and physiological character of young rice seedlings. (In Japanese) *Bull. Mie Agric. Tech. Cent.* 1:1-8, illus. Ref. Mar. 1972.
238. IM, H. B. Study on the salt tolerance of rice and other crops in reclaimed soil areas. 4. On the fertilization effectiveness of N, P, K in reclaimed salty areas. *Seoul Univ. J. Ser. B* 20(1):15-30, illus. Ref. 1969.
239. IM, H. B. Study on the salt tolerance of rice and other crops in reclaimed soil areas. 8. Effects of salty condition on the agronomic characteristics of rice varieties in reclaimed soil. *Seoul Univ. J. Ser. B.* 21:41-61, illus. Ref. Oct. 1970.
Korean summary.
240. IM, H. B., SHIM, J. W., and LIM, U. K. Study on the salt tolerance of rice and other crops in reclaimed soil areas. Effects of varying plant spacing and N levels on rice canopy in reclaimed salty area. *Seoul Univ. J. Ser. B* 22:73-87, illus. Ref. Jan. 1972.
Korean summary.
241. IMAI, Y., and HAYAMIZU, Y. Effect of high temperature during ripening period on the quality of harvested rice. (In Japanese) *Nogyo Gijutsu* 29(4):176-177, illus. Apr. 1974.
242. INATSU, O., and others. Studies to improve the quality of rice grown in Hokkaido. I. Amylose contents of different rice starches. (In Japanese) *J. Jap. Soc. Starch Sci.* 21(2):115-119, illus. Ref. 1974.
K. Watanabe, I. Maeda, K. Ito, and S. Osanai, joint authors.
English summary.
243. INOUE, K. Numerical experiments of effects of advection on CO₂ environment and photosynthesis of crop fields. *Bull. Natl. Inst. Agric. Sci. [Japan]* Ser. A 21:1-25, illus. Ref. Mar. 1974.
Japanese summary.
244. INOUE, Y., and SHIBATA, K. Comparative examination of terrestrial plant leaves in terms of light-induced absorption changes due to chloroplast rearrangements. *Plant Cell Physiol.* 15(4):717-721, illus. Ref. Aug. 1974.
245. INOUE, J., VO-TONG XUAN, and MIYAZATO, M. On the growth habits of floating, single-and double-transplanting rice plants in South Vietnam. II. Degree of grain shedding. *Jap. J. Trop. Agric.* 18(1):12-17, illus. Sept. 1974.
Japanese summary.

246. INSTITUT DE RECHERCHES AGRONOMIQUES TROPICALES ET DES CULTURES VIVRIERES (COTE D'IVOIRE). *Physiologie: rapport annuel, 1973.* [Physiology: annual report, 1973.] Ivory Coast, n.d. 17 p., annexes. Effects of drought on rice.
247. INTERNATIONAL RICE RESEARCH INSTITUTE. DEPT. OF CEREAL CHEMISTRY. *Biochemistry procedures.* Los Baños, Laguna, n.d. 110, ix p.
248. ISHIHARA, K., ISHIDA, Y., and OGURA, T. On the diurnal variation of leaf water content on an areal basis in the rice plant. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(1):77-82, illus. Ref. Mar. 1974. English summary.
249. ISHIHARA, K. Stomatal aperture and photosynthesis of rice leaf blade. (In Japanese) *Kagaku to Seibutsu* 11(12):783-785, illus. Dec. 1973.
250. ISHITANI, A., YUKIMOTO, M., and YOSHIDA, K. Bioassay of gibberellin by leaf sheath elongation of "Wai-to-C" dwarf of *Oryza sativa*. (In Japanese) *Bull. Agric. Chem. Insp. Stn.* 14:46-48, illus. Oct. 1974. English summary.
251. ISHITSUKA, R. Tachigaren, a soil fungicide and plant-growth promoter. *Japan Pest. Inf.* 18:27-30, illus. Jan. 1974.
252. ISHIZUKA, Y. Yellow coloring of rice leaves during the later stages of growth. *News. ASPAC Food Fert. Technol. Cent.* 21:10-11, illus. Jan. 26, 1974.
253. ISLAM, K. Z., and CHATTERJEE, S. K. Physiological and biochemical analysis of growth of primary roots in three varieties of rice seedlings. *Indian J. Plant Physiol.* 14(1/2):73-83, illus. Ref. 1971.
254. ISLAM, M. T., and MUHSI, A. A. A. Effect of cycocel on the growth and development of rice. *Indian J. Agric. Sci.* 43(6):542-545, illus. June 1973.
255. ISLAM, M. T., and MUHSI, A. A. A. Effect of Cycocel (2-chloroethyl) trimethylammonium chloride on the growth and development of rice. *Pak. J. Sci.* 25(1/3):111-118, illus. Ref. Jan./June 1973.
256. ITATANI, I., and MIYATA, K. Varietal and ecological studies on ripening of rice plant in warm region. III. Ratio of greenkerneled rice in ripening process. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 70:63-66, illus. July 1974.
257. IVANOVA, D. I., SHCHERBAKOV, V. G., and FEDOROVA, S. A. Ispol'zovanie zapasnykh belkov endosperma risa pri prorastanii. [Utilization of rice endosperm reserve proteins during germination.] *Fiziol. Biokhim. Kul't. Rast.* 6(5):496-501, illus. Ref. 1974. English summary.
258. IWAKI, H. Comparative productivity of terrestrial ecosystems in Japan, with emphasis on the comparison between natural and agricultural systems. In *Proc. First Int. Congr. of Ecology, The Hague, 1974*, p.40-45, illus. Ref. Wageningen. Centre for Agricultural Publishing and Documentation, 1974. Includes net productivity and efficiency of solar energy utilization by rice plant.
259. JHA, K. P., MAHAPATRA, I. C., and LASTANE, N. G. Uptake of nitrogen by 'Sabarmati' and 'Jamuna' rice varieties as influenced by moisture regimes and nutrient sprays. *Indian J. Agric.* 19(4):250-254, illus. Ref. Dec. 1974.
260. JOHN, C. D., LIMPINUNTANA, V., and GREENWAY, H. Adaptation of rice to anaerobiosis. *Aust. J. Plant Physiol.* 1(4):513-520, illus. Ref. Dec. 1974.
261. JONES, D. B., PETERSON, M. L., and RUTGER, J. N. Screening rice seedlings for tolerance to low temperatures. *Rice J.* 77(7):41. July 1974.
262. JOSHI, M. M. Physiological responses of rice to hydrogen sulfide. Baton Rouge, La., 1974. 50 p., illus. Ref. Thesis (Ph.D.)--Louisiana State University and Agricultural & Mechanical College.
263. KAIHO, M., and TOYODA, M. Effects of Na_2SO_4 concentration and reaction. II. Influence on the growth of rice plant. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 11:58-63, illus. Aug. 1973.
264. KAKADE, M. L. Biochemical basis for the differences in plant protein utilization. *J. Agric. Food Chem.* 22(4):550-555, illus. Ref. July/Aug. 1974. Includes rice.
265. KAMURO, Y. Ethrel--practical applications in agricultural production. (In Japanese) *Chem. Regulat. Plants* 8(2):84-96, illus. Ref. Oct. 1973.
266. KANAMORI, T., and MATSUMOTO, H. Asparagine biosynthesis by *Oryza sativa* seedlings. *Phytochemistry* 13(8):1407-1412, illus. Aug. 1974.

267. KANAMORI, T., and MATSUMOTO, H. Glutamate oxaloacetate transaminase in rice plant seedlings. *Plant Sci Lett.* 3(6):431-436, illus. Ref. Dec. 1974.
268. KANDA, M. The spectral composition of incident solar and sky radiation, and reflected and transmitted PAR in field populations of rice plants. (In Japanese) *Bull. Inst. Agric. Res. Tohoku Univ.* 25(2):91-104, illus. Ref. Mar. 1974. English summary.
269. KANNAN, S. Studies on the mechanisms of Fe absorption by excised rice roots. In *Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp.*, 1970, p.85-92, illus. Ref. Bombay, Dept. of Atomic Energy, 1971. Includes discussion.
270. KAR, S., and others. Nature and growth pattern of rice root system under submerged and unsaturated conditions. *Riso* 23(2):173-179, illus. June 1974.
S. B. Varade, T. K. Subramanyam, and B. P. Ghildyal, joint authors.
Italian summary.
271. KATAYAMA, T. C. Photoperiodism in the genus *Oryza*. IV. Combinations of plant age, day length and number of treatment. *Proc. Crop Sci. Soc. Japan* 43(2):224-236, illus. June 1974.
Japanese summary.
272. KAWATA, S., and SOEJIMA, M. On superficial root formation in rice plants. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(3):354-374, illus. Ref. Sept. 1974.
English summary.
273. KEVORKOV, A. P., and TISHCHENKO, I. V. Vliyanie mikroelementov na urozhai i kachestvo zerna risa. [Effect of trace elements on the yield and quality of rice grain.] *Agrokhimiya* 7:117-123, illus. Ref. 1974.
274. KHAN, D. H., EAQUB, M., and ALI, M. I. Cation-anion relationships in two gramineae crops (*Oryza sativa* and *Brachiara mutica*), grown in a Brahmaputra Deltaic soil of Bangladesh. *Z. Acker-Pflanzenbau* 137(4):250-257, illus. June 1973.
German summary.
275. KHAN, P. A., and MISRA, G. Correlation between the age related metabolites and photoinduction in *Oryza sativa*. *Exp. Gerontol.* 9(5/6):227-230, illus. 1974.
276. KHAN, P. A., and MISRA, G. Sugar and nitrogen content in rice as influenced by short photoperiod. *Curr. Sci.* 43(21):697-698, illus. Nov. 5, 1974.
277. KIDO, M., and YANATORI, S. A study of the awn occurrence of Koshihikari. (In Japanese) *Proc. Hokuriku Br. Crop Sci. Soc. Japan* 7:7-10, illus. Mar. 1972.
278. KIM, K. U., and MERCADO, B. L. Physiological responses of rice to TCE-styrene. *Philipp. J. Sci.* 103(2):81-90, illus. Ref. June 1974.
279. KIRIBUCHI, S., and NAKAMURA, M. Mechanism of decomposition of starch in germinating rice seeds. (In Japanese) *J. Jap. Soc. Starch Sci.* 21(4):299-306, illus. Ref. 1974.
English summary.
280. KISHITANI, S., and TSUNODA, S. Effect of low and high temperature pretreatment on leaf photosynthesis and transpiration in cultivars of *Oryza sativa*. *Photosynthetica* 8(3):161-167, illus. Ref. 1974.
281. KONDO, A., and TACHIKAWA, Y. Heading acceleration of rice plants by all night illumination. (In Japanese) *Nogyo Gijutsu* 29(12):539-541, illus. Dec. 1974.
282. KORDAN, H. A. Patterns of shoot and root growth in rice seedlings germinating under water. *J. Appl. Ecol.* 11(2):685-690, illus. Aug. 1974.
283. KORDAN, H. A. The rice shoot in relation to oxygen supply and root growth in seedlings germinating under water. *New Phytol.* 73(4):695-697, illus. July 1974.
284. KUMABAYASHI, K., and others. On the growth of young seedlings and consumption of the stored foods in the endosperm of rice (Preliminary report). (In Japanese) *Rep. Tohoku Br. Crop Sci. Soc. Japan* 16:3-5, illus. Mar. 1974.
K. Honjyo, K. Fujise, and M. Hirano, joint authors.
285. KUMAR, A., and SRIVASTAVA, H. K. Canopy architecture and crop productivity. *Sci. Cult.* 40(3):110-112, illus. Mar. 1974.
286. KUMAZAWA, K., YONEYAMA, T., and KANO, H. A device for the determination of total nitrogen and heavy nitrogen in rice plant material with use of optical method. 1-2. (In Japanese) *J. Sci. Soil Manure Japan* 45(8):378-381; 382-386, illus. Aug. 1974.

287. KURIAKOSE, T. F., and GEORGE, C. M. Nitrogen and carbohydrate status and their accumulation in the plant parts of early rice culture, 24-20. *Agric. Res. J. Kerala* 11(2):138-147, illus. Ref. Sept. 1973.
288. KURIAKOSE, T. F. and GEORGE, C. M. Studies on an early rice culture 24-20. Dry matter production and its distribution among plant parts. *Agric. Res. J. Kerala* 11(1):47-52, illus. Mar. 1973.
289. KUSAWAGI, T., and WASHIO, O. The phytotron at Chugoku National Agricultural Experiment Station. (In Japanese) *Bull. Chugoku Natl. Agric. Exp. Stn. Ser. A* 23:53-89, illus. Ref. Mar. 1974.
English summary.
Includes characteristics of rice plant growth in the phytotron.
290. KUSHIBUCHI, K., and others. Studies on regional differences in ripening and quality of rice plant in Aomori Prefecture. I. The results in 1970. (In Japanese) *Rep. Tohoku Br. Crop Sci. Soc. Japan* 16:24-25, illus. Mar. 1974.
N. Nakagawa, T. Takemura, Z. Oyamada, and T. Kanazawa, joint authors.
291. LAI, K. L., and HOU, C. R. Physiological and ecological studies on the roots of rice plants--on the effects of nitrate and organic acids to the respiratory and growth rate of excised roots. (In Chinese) *Mem. Coll. Agric. Natl. Taiwan Univ.* 14(2):131-146, illus. Ref. Dec. 1973.
English summary.
292. LAI, K. L., and HOU, C. R. Physiological and ecological studies on the roots of rice plants--on the significance of respiration rate of the different types of rice roots and its application. (In Chinese) *Mem. Coll. Agric. Natl. Taiwan Univ.* 15(2):13-27, illus. Ref. Dec. 1974.
English summary.
293. LAPADE, B. E. The influence of trifluralin on the amino acid content of rice seedling. College, Laguna, 1971. 37 p., illus., appendices. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
294. LEE H. S., and others. Studies on the effect of low temperature treatment at meiotic, heading and seedling stage in paddy rice. (In Korean) *J. Korean Soc. Crop Sci.* 15:85-97, illus. Ref. Feb. 1974.
H. Y. Cho, P. K. Lim, and H. Heu, joint authors.
English summary.
295. LEE, H. S. Studies on the germinability of rice seeds at low temperature. 4. Studies on the relationship between seed dormancy and germinability at low temperature. (In Korean) *Seoul Univ. J. Ser. B* 21:71-84, illus. Ref. Oct. 1970.
English summary.
296. LIN, M. H. Studies on the relation among leaf-age index, the stages of panicle development and number of tillers in rice. (In Chinese) *J. Taiwan Agric. Res.* 23(3):176-187, illus. Ref. Sept. 1974.
English summary.
297. LOCCI, R., and QUARONI, S. Energy dispersion X-ray analysis of the rice plant in the scanning electron microscope. *Riso* 23(1):3-11, illus. Ref. Mar. 1974.
Italian summary.
298. MAEDA, E., and HAGIWARA, T. Enzymatic isolation of protoplasts from the rice leaves and callus cultures. *Proc. Crop Sci. Soc. Japan* 43(1):68-76, illus. Ref. Mar. 1974.
Japanese summary.
299. MAJUMDAR, D. K. Uptake of nitrogen and phosphate as influenced by sowing time and fertilization and recoveries of nitrogen and phosphate from the added fertilizers by rice (*Oryza sativa* L.). *Indian Agric.* 17(1):69-74, illus. Ref. 1973.
300. MATSUI, T., and others. Effects of cycling in temperature control on plant growth. I. On chlorophyll formation in rice seedlings. *Environ. Contr. Biol.* 10(4):179-182, illus. Dec. 1972.
I. Aiga, T. Omura, and H. Sato, joint authors.
Japanese summary.
301. MATSUSHIMA, H., and ARIMA, K. Physiological activities of zeatin acid, a new plant-growth promotor from corn steep liquor. *Agric. Biol. Chem.* 37(8):1873-1880, illus. Ref. Aug. 1973.
Also tested on rice seedlings.
302. MATSUZAKI, A. Studies on the nitrogen restriction during the period of the middle growth stage of the rice plant and its cultural significance. (In Japanese) *Bull. Natl. Inst. Agric. Sci. [Japan] Ser. A* 21:27-128, illus. Ref. Mar. 1974.
English summary.
303. MERCADO, B. L., and BALTAZAR, A. M. Effect of trifluralin on sugars in rice seedlings. *Philipp. J. Sci.* 103(2):91-95, illus. June 1974.

304. MERCADO, B. T., RODRIN, L. L., and DILIG, A. D. Germination and seedling performance of rice in NaCl solution. *Kalikasan Philipp. J. Biol.* 3(3):179-186, illus. Ref. 1974.
305. MICHE, J. C. Informations et considérations diverses sur les protéines d'origine végétale. [Information and various considerations on the proteins from plant.] *Agron. Trop.* [France] 29(10):1035-1053, illus. Ref. Oct. 1974.
306. MKAELSEN, K., and KARTOPRAWIRO, M. I. Studies on inter- and intraplant variation in seed protein content of rice. In *Nuclear techniques for seed protein improvement*, p.199-202, illus. 1973. Vienna, International Atomic Energy Agency, 1973.
307. MIKHEEV, E. K. Dinamika nadkhodzennija elementiv zivlennija v roslini risu pislja peredposivnogo vnesennja dobriv. [Dynamics of uptake of nutritive elements in rice plants after preplanting application of fertilizers.] *Zrosh. Zemlerob.* 14:90-95, illus. 1972.
308. MILLER, J. H., and MILLER, P. M. Ethylene and the responses to light of rice seedlings. *Physiol. Plant.* 30(3):206-211, illus. Ref. 1974.
309. MISHRA, D., and KAR, M. Nickel in plant growth and metabolism. *Bot. Rev.* 40(4):395-452, illus. Ref. Oct.-Dec. 1974. German and French summaries. Includes effect of nickel on rice.
310. MISHRA, D., and MISRA, B. K. Studies on rice leaf enzymes. I. Inorganic pyrophosphatase. *Riso* 23(4):343-349, illus. Ref. Dec. 1974. Italian summary.
311. MOHAMED ALI, A., and MORACHAN, Y. B. Uptake and quality studies in rice (*Oryza sativa* L.). *Madras Agric. J.* 60(8):755-759. Ref. Aug. 1973. Nutrients.
312. MOHANTY, S. K., and PATNAIK, S. Uptake of nutrients in relation to growth of rice as influenced by varying nutrient environments in different soil types. *Riso* 23(4):351-363, illus. Ref. Dec. 1974. Italian summary.
313. MOLOKOV, L. G., ALESHIN, E. P., and POROKHNYA, A. D. Vliyanie azota i fosfora na aktivnost' peroksidazy v prorstkakh risa. [Effect of nitrogen and phosphorus on per oxidase activity in rice shoots.] *Agrokimiya* 4:102-105, illus. Ref. 1974.
314. MORITA, K., and KONO, M. Changes in the nitrogen localized in the lamellae systems and stroma of rice chloroplast accompanying the stages of growth. *Soil Sci. Plant Nutr.* 20(1):79-86, illus. Mar. 1974.
315. MORIWAKI, T. Physiological studies on the effects of soil temperature upon the vegetative growth of rice plants. *Mem. Coll. Agric. Kyoto Univ.* 105:1-71, illus. Ref. Mar. 1974.
316. MUHAMMAD, S., and KUMAZAWA, K. The absorption, distribution, and re-distribution of ^{15}N -labelled ammonium and nitrate nitrogen administered at different growth stages of rice. *Soil Sci. Plant Nutr.* 20(1):47-55, illus. Ref. Mar. 1974.
317. MUHAMMAD, S., and KUMAZAWA, K. Assimilation and transport of nitrogen in rice. I-II. *Plant Cell Physiol.* 15(5):747-758; 759-766, illus. Ref. Oct. 1974. I. ^{15}N -labelled ammonium nitrogen; II. ^{15}N -labelled nitrate nitrogen.
318. MUHAMMAD, S., KIM, U. J., and KUMAZAWA, K. The uptake, distribution, and accumulation of ^{15}N -labelled ammonium and nitrate nitrogen top-dressed at different growth stages of rice. *Soil Sci. Plant Nutr.* 20(3):279-286, illus. Ref. Sept. 1974.
319. MUKHERJI, S., and BAG, A. Mode of action of streptomycin sulphate in higher plants. *Indian J. Exp. Biol.* 12(4):360-362, illus. Ref. July 1974. Growth-inhibitory role on rice seedlings.
320. MUKHERJI, S., and GANGULY, G. Toxic effects of mercury in germinating rice (*Oryza sativa* L.) seeds & their reversal. *Indian J. Exp. Biol.* 12(5):432-434, illus. Ref. Sept. 1974.
321. MURAMATSU, T., and others. Effect of tenuazonic acid on *in vitro* amino acid incorporation by rice embryo ribosomes. *Agric. Biol. Chem.* 38(10):2049-2050, illus. Ref. Oct. 1974. N. Umetsu, K. Matsuda, and K. Tamari, joint authors.
322. MURATA, T. Enzymic mechanism of starch synthesis in plants. *JARQ (Japan Agric. Res. Q.)* 8(3):127-132, illus. Ref. July 1974.
323. MURTY, K. S., NAYAK, S. K., and SAHU, G. Photosynthetic efficiency in rice varieties. *Newsl. Indian Soc. Nucl. Tec. Agric. Biol.* 2(1):5-6, illus. Mar. 1973.

324. MURTY, K. S., and NAYAK, S. K. Radiotracer studies on photosynthetic efficiency of different rice varieties. In Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp., 1970, p.187-197, illus. Ref. Bombay, Dept. of Atomic Energy, 1971.
Includes discussion.
325. MUTHUSWAMY, P., RAJ, D., and KRISHNAMOORTHY, K. K. Dry matter, carbohydrate production and uptake of calcium and magnesium by high yielding rice (Oryza sativa L.) varieties at successive growth stages. Madras Agric. J. 60(8):746-749, Aug. 1973.
326. MYTTENAERE, C., and MOUSNY, J. M. The distribution of chromium-51 in lowland rice in relation to the chemical form and to the amount of stable chromium in the nutrient solution. Plant Soil 41(1):65-72, illus. Ref. Aug. 1974.
327. NAKADA, K. Analysis of dry matter production of rice community by stratified clip method at different planting density. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 70:43-47, illus. July 1974.
328. NAKAYAMA, H. Panicle senescence in rice plant. Bull. Hokuriku Natl. Agric. Exp. Stn. 16:15-27, illus. Ref. Mar. 1974.
Japanese summary.
329. NANAWATI, G. C., MATHUR, P. N., and MALIWAL, G. L. Note on the effect of iron and sulphur deficiency on chlorophyll synthesis and activity of some enzymes in rice leaves. Indian J. Agric. Sci. 43(9):883-885, illus. Sept. 1973, pub. 1974.
330. NARASINGHA RAO, CH. Radiotracer studies on translocation of photosynthesis in rice. In Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp., 1970, p.199-206, illus. Ref. Bombay, Dept. of Atomic Energy, 1971.
331. NARUHO, S. A simple method of measuring the leaf area of rice plant. (In Japanese) J. Niigata Agric. Exp. Stn. 22:10-13, illus. June 1973.
English summary.
332. NAVASERO, E. P., and JULIANO, B. O. Changes in the activity of phosphatases, lipase, peroxidase and glycosidases in the rice seed during germination. In Proc. Fourth Scientific Meeting, Crop Science Society of the Philippines, Cebu City, 1973, p.379-391, illus. Ref.
333. NOMURA, T., and AKAZAWA, T. Enzymic mechanism of starch breakdown in germinating rice seeds. V. Sucrose phosphate synthetase in the scutellum. Plant Cell Physiol. 15(3):477-483, illus. Ref. June 1974.
334. NORCIO, N. V., and PANTASTICO, ED. B. The effect of nitrogen and stage of growth on photosynthesis rates of some lowland rice varieties. Philipp. Agric. 57(3/4):116-127, illus. Ref. Aug./Sept. 1973.
335. OGAWA, M., and OTA, Y. Plant growth-regulating activities of 3-hydroxy-5-methylisoxazole. II-III. (In Japanese) Proc. Crop Sci. Soc. Japan 43(2):278-282; (4):531-537, illus. Ref. June, Dec. 1974.
English summaries.
II. Effect of 3-hydroxy-5-methylisoxazole on the geotropic response of rice seedlings; III. Effect of 3-hydroxy-5-methylisoxazole on the reduction of overhead flooding damage and herbicide injury to rice seedlings.
336. OGAWA, Y., and TAKAHASHI, N. Comparative biological effectiveness of gibberellin A₃-glucoside and gibberellin A₃. Bull. Fac. Agric. Mie Univ. 46:261-267, illus. Jan. 1974.
Japanese summary.
Tested on rice seedling.
337. OHNO, Y. Studies on varietal differences of photosynthetic efficiency in the rice plant; terminal report. Los Baños, Laguna, IRRI, 1972. 19 p., tables, figs. Ref.
338. OJI, Y., and IZAWA, G. Studies on the absorption and assimilation of inorganic nitrogen in intact plants. 3-4. (In Japanese) J. Sci. Soil Manure Japan 45(5):259-262; (7):341-351, illus. Ref. May, July 1974.
3. Changes of free amino acids during the early period of the assimilation of ammonium and nitrate in rice and cucumber plants; 4. Metabolic backgrounds for the differences in utilization of ammonium and nitrate by rice and cucumber plant.
339. OKU, H. Mechanisms on the changes of phloroglucinoloxidase activity in diseased rice leaves. In Biochemical regulation in diseased plants or injury; proc. of the international symposium, Tokyo, 1967, p.253-262, illus. Ref. Tokyo, Phytopathological Society of Japan, 1968.
Includes discussion.
340. OMURA, R., and SHIGA, Y. Changes in distribution of cadmium in rice plants due to environmental conditions. (In Japanese) Bull. Oita Prefect. Agric. Res. Cent. 5:37-44, illus. Mar. 1974.
341. OPIK, H. Effect of anaerobiosis on respiratory rate, cytochrome oxidase activity and mitochondrial structures in coleoptiles of rice (Oryza sativa L.). J. Cell Sci. 12(3):725-739, illus. Ref. May 1973.

342. OPIK, H. A note on some non-membranous structures in plant mitochondria. *Planta* 115(3):253-257, illus. 1974.
Includes rice tissues.
343. ORITANI, T., MATSUNAGA T., and YAMASHITA, K. Syntheses of pentadenoic acids structurally related to abscisic acid. *Agric. Biol. Chem.* 37(2):261-268, illus. Feb. 1973.
Includes growth inhibitory activities on rice seedlings.
344. OZA, A. M., WAKHALOO, S., and SUBBIAH, B. V. Relative efficiency of different rice varieties to take up soil and fertilizer phosphorus. *In* *Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp.*, 1970, p.377-385, illus. Bombay, Dept. of Atomic Energy, 1971.
Includes discussion.
345. PADAYATTY, J. D. Absorption of inorganic sulphate by embryos of rice (*Oryza sativa* L.) seeds. *Indian J. Exp. Biol.* 11(5):430-432, illus. Ref. Sept. 1973.
346. PALANISWAMY, K. M. Blooming behavior in rice - a statistical study. *Farm Fact.* 8(10):7-9, illus. Aug. 1974.
347. PALANISWAMY, K. M. Position of leaf and its influence on leaf area in rice. *Farm J. [India]* 15(6):31-32, illus. Apr. 1974.
348. PALMIANO, E. P. Studies on the sequence of biochemical events in the rice grain during germination. College, Laguna, 1971. 70 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
349. PANDA, S. C., and MAHAPATRA, I. C. Growth and development of rice plant. II-III. *Riso* 23(3):259-262; 262-276, illus. Sept. 1974.
Italian summary.
II. Flowering behaviour of individual tillers of different plant types; III. Analysis of yield components.
350. PANDA, S. C., and MAHAPATRA, I. C. Growth and development of rice plant. IV-VI. *Riso* 23(4):405-414; 414-419; 420-438, illus. Dec. 1974.
Italian summary.
IV. Relationship between grain yield and growth characters; V. Correlation studies; VI. Linear and multiple regression of grain yield per plant on primary, secondary and tertiary tillers for different characters.
351. PARAO, F. T. Growth performance of improved rice varieties under field conditions with special reference to their tillering ability. College, Laguna, 1971. 77 p., illus.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
352. PARICHA, P. C., and PERUMAL, K. R. Effect of cycocel on retention of chlorophyll in rice leaves following drought. *Sci. Cult.* 40(4):165-167, illus. Apr. 1974.
353. PARK, H. Diagnosis of the field-grown rice plant. I. Diagnostic criteria by flag leaf analysis. (In Korean) *J. Korean Agric. Chem. Soc* 16(1):18-30, illus. Ref. Mar. 1973.
English summary.
354. PATIL, J. D., and ZENDE, G. K. Effect of high and low magnesium and calcium saturation on growth and chemical composition of paddy, wheat, and soybean plants. *Res. J. Mahatma Phule Agric. Univ.* 4(1):38-43, illus. Ref. 1973.
355. PAUL, A. K., and MUKHERJI, S. Characterization of ammonium toxicity in germinating rice seeds. *Indian J. Exp. Biol.* 12(3):268-271, illus. Ref. May 1974.
356. PERDON, A. A., JULIANO, B. O., and DEL ROSARIO, E. J. Solubilization and characterization and granule-bound starch synthetase from rice grains. *In* *Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974*, p.305-309, illus. Ref.
357. PETERSON, M. L., and others. Cool night temperatures cause sterility in rice. *Calif. Agric.* 28(7):12-14, illus. July 1974.
S. S. Lin, D. Jones, and J. N. Rutger, joint authors.
358. PETERSON, M. L., and others. Low night temperature induced sterility in rice. *Rice J.* 77(7):36-37, illus. July 1974.
S. S. Lin, D. Jones, and J. N. Rutger, joint authors.
359. PISIGAN, R. A. Isozymes of soluble starch synthetase from developing rice grains. College, Laguna, 1974. 37 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
360. PJOON, C. J., and FURUYA, M. Phytochrome action in *Oryza sativa* L. VII. Effects of light and aeration on coleoptile growth under submerged conditions. *Plant Cell Physiol.* 15(4):663-668, illus. Ref. Aug. 1974.

361. POROKHNYA, A. D., and KURILOVA, G. A. *Izmeneniya aktivnosti tsitokromoksidazy pri raznoi obespechennosti risa azotom, fosforom i kallem.* [Change in cytochrome oxidase activity during various nitrogen, phosphorus, and potassium supply levels in rice.] *Agrokimiya* 12:80-85, illus. Ref. 1973.
362. POROKHNYA, A. D., ALESHIN, E. P., and KURILOVA, G. A. *Vliyanie fosfora na okislitel'noe fosforilirovanie kornei risa.* [Effect of phosphorus on oxidative phosphorylation in rice roots.] *Tr. Vses. Inst. Risa* 2:71-74. 1972.
363. PRATT, L. H., and COLEMAN, R. A. *Phytochrome distribution in etiolated grass seedlings as assayed by an indirect antibody-labelling method.* *Am. J. Bot.* 61(2):195-202, illus. Ref. Feb. 1974.
Includes *Oryza sativa* L.
364. RAMAMOORTHY, B., DINESH, R. S., and KAMATH, M. B. *Mobility of nutrients in rice plants.* *In Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp., 1970, p.93-102, illus. Ref. Bombay, Dept. of Atomic Energy, 1971.*
Includes discussion.
365. RAMANI, S., and KANNAN, S. *Effects of certain cations on manganese absorption by excised rice roots.* *Commun. Soil Sci. Plant Anal.* 5(5):427-436, illus. Ref. 1974.
366. RAMIATI, and OLDEMAN, L. R. *Growth characteristics and yield of some improved varieties and promising lines of rice during the dry and wet season.* *In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.32-42, illus. Jakarta, 1974.*
367. RAO, J. V., and BHARDWAJ, R. B. L. *A note on dynamic aspects of phosphorus uptake in rice as influenced by rate and time of application of phosphorus.* *Indian J. Agron.* 18(3):540-543, illus. Dec. 1973.
368. REEVE, D. R., and CROZIER, A. *An assessment of gibberellin structure-activity relationships.* *J. Exp. Bot.* 25(85):431-445, illus. Ref. Apr. 1974.
Includes biological activities of gibberellins in Tanginbozu dwarf rice.
369. RITCHEY, K. D. *Partially annotated bibliography of manganese with special attention to the tropics.* Ithaca, N. Y., Dept. of Agronomy, Cornell Univ., 1974. 40 p.
370. RITCHEY, K. D. *A partially annotated bibliography on zinc in the tropics.* Ithaca, N. Y., Dept. of Agronomy, Cornell Univ., May 1974. 22 p.
Includes rice.
371. RO, C. J. *Studies on the effect of silicate on nutrients uptake using radioisotopes in rice plant. I-II.* (In Korean) *J. Korean Soc. Crop Sci.* 12:15-20; 25-29, illus. Ref. Dec. 1972.
English summaries.
372. ROBINSON, J. B. D. *An annotated bibliography of colour illustrated mineral deficiency symptoms in tropical crops.* Farnham Royal, England, Commonwealth Agricultural Bureaux, 1974. 84 p.
Rice, p.50.
373. ROBLES, R. P. *Amylase activity of rice seedlings treated with trifluralin.* College, Laguna, 1971. 45 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
374. SAHU, S. K. *A note on absorption of nutrients by rice seedlings.* *Indian J. Agron.* 19(4):277-278, illus. Dec. 1974.
375. SAITO, S., and IYAMA, J. *Some investigations on the appearance of non-glutinous rice grains in glutinous rice plant varieties.* (In Japanese) *Bull. Oita Prefect. Agric. Res. Cent.* 4:16-20, illus. Oct. 1972.
376. SAKA, H., and MAEDA, E. *Changes in some hydrolytic enzymes associated with the redifferentiation of shoots in rice callus tissues.* (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(2):207-218, illus. Ref. June 1974.
English summary.
377. SALAHUDDIN, A. B. M. *Cold tolerance of improved rice cultivars at seedling stage.* College, Laguna, 1972. 102 p., illus., Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
378. SALAHUDDIN, A. B. M., and VERGARA, B. S. *Criteria for screening rice cultivars resistant to low water temperature at seedling stage.* *SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J.* 7(2):151-156, illus. Sept. 1974.
379. SARKAR, K. K. *Physiological studies of wild rice.* Calcutta, 1967. 151 p., illus. Ref. Thesis (Ph.D.)--University of Calcutta.
One of the experimental materials used is cultivated rice Dudkalmi.
380. SATO, K. *Abnormally enlarged rice embryos formed under high temperature.* (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(1):125-126, illus. Mar. 1974.

381. SATO, K., and others. The development of rice grains under controlled environment. IV. Properties of protein of rice kernels ripened under different temperatures combined with different light intensity and air-humidity. *Tohoku J. Agric. Res.* 25(3/4):97-103, illus. Dec. 1974.
K. Inaba, K. Honjo, and S. Haruyama, joint authors.
382. SATO, K. Growth responses of rice plant to environmental conditions. III-IV. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(3):402-409; 410-415, illus. Ref. Sept. 1974.
English summaries.
III. The effects of photoperiod and temperature on the growth and chemical composition; IV. The effect of air and soil-temperature upon translocation and distribution of ^{14}C .
383. SATO, K., and EHARA, Y. Studies on the starch contained in the tissues of rice plants. XIV. Electron microscopic observations of plastids of various organs and tissues. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(1):111-122, illus. Mar. 1974.
English summary.
384. SATO, T. The effect of calcium peroxide on emergence and establishment of seedling in direct sowing of rice in flooded paddy field. 2. The effect of buried rice seed coated with calcium peroxide on sprouting and lodging resistance. (In Japanese) *Hokuriku Crop Sci.* 8:8-9, illus. 1973, pub. Mar. 1974.
385. SAWHNEY, S. K., and NAIK, M. S. Some properties of nitrate & nitrite reductases from rice seedlings. *Indian J. Biochem. Biophys.* 10(3):199-201, illus. Ref. Sept. 1973.
386. SEKIYAMA, F., and YAMAGATA, H. Studies on the organ specificity of peroxidase zymogram in rice plant. 3. The basic pattern of peroxidase zymogram and the method of its detection. (In Japanese) *Jap. J. Breed.* 24(Suppl. 1):26-27, illus. 1974.
387. SHARMA, D., and RATHORE, V. S. Effects of Zn nutritional levels on uptake, translocation, and metabolism of ^{32}P in rice. In *Radiation and Radioisotopes in Soil Studies and Plant Nutrition*; Proc. Symp., 1970, p.103-116, illus. Ref. Bombay, Dept. of Atomic Energy, 1971.
Includes discussion.
388. SHIMOTSUBO, K., and NAKAYAMA, H. Development of inferior kernels in rice panicle. *Bull. Hokuriku Natl. Agric. Exp. Stn.* 16:29-42, illus. Ref. Mar. 1974.
Japanese summary.
389. SHIMOTSUBO, K., and NAKAYAMA, H. Influence of shading treatment on nitrogen absorption in growing rice. (In Japanese) *Hokuriku Crop Sci.* 8:27-28, illus. 1973, pub. Mar. 1974.
390. SHUTOVA, E. A., and others. Changes in proteins and peroxidase enzymes with loss of germinating power in rice seeds. *Appl. Biochem. Microbiol.* 9(2):222-225, illus. Mar./Apr. 1973.
Z. I. Ballod, A. I. Aprod, and V. L. Kretovich, joint authors.
391. SINGH, B. D., THOMAS, E. T., and HARVEY, B. L. Effects of gibberellic acid on cell suspension cultures of higher plants. *Indian J. Exp. Biol.* 12(2):213-215, illus. Mar. 1974.
Includes rice.
392. SINGH, P., and PANDE, H. K. Leaf area: an index of growth of rice cultivars under different soil moisture and nitrogen levels. *Riso* 23(2):181-185, illus. June 1974.
Italian summary.
393. SINGH, P., and PANDE, H. K. Ratio of iron to manganese content in plant and grain yield of rice varieties under levels of soil moisture and nitrogen. *Riso* 23(4):381-384, illus. Dec. 1974.
Italian summary.
394. SINGH, P. V., SINGH, M. B., and KHANNA, A. N. Note on the temperature requirements of germinating rice seeds under controlled conditions. *Indian J. Agric. Sci.* 43(4):426-427, illus. Apr. 1973.
395. SINHA, T. S., and DUTTA, S. K. Varietal differences of rice to salt tolerance at germination. *Curr. Sci.* 43(16):518-519, illus. Aug. 20, 1974.
396. SINITSYNA, N. I., and CHAN DIK KHAN'. Temperaturnye usloviya proizrastaniya risa na yuge ukrainy. [The temperature conditions for growth of rice in S. Ukraine.] *Meteorol. Klimatol. Gidrol. Mezhved. Nauch. Sb.* 8:83-87, illus. 1972.
English summary.
397. SIRCAR, S. M., and DAS, M. N. Implications for enhanced growth and yield of rice. In *Mechanisms of regulation of plant growth*, p.879-885, illus. Ref. Wellington, N. Z., Royal Society of New Zealand, 1974.
398. SNEHI DWIVEDI, R., and TAKKAR, P. N. Ribonuclease activity as an index of hidden hunger of zinc in crops. *Plant Soil* 40(1):173-181, illus. Ref. Feb. 1974.
Rice and maize.

399. SOEJONO, and PAMUNTJAK, M. Pengaruh radiasi (Co^{60}) pada thiamin beras. [The effect of Co^{60} radiation on thiamine in rice.] Djakarta, Badan Tenaga Atom Nasional, 1970. 7 p., illus.
400. SOEJONO. Pengaruh radiasi sinar gamma Co^{60} terhadap riboflavin dalam beras. [The effect of gamma Co^{60} radiation on riboflavin in rice.] Djakarta, Badan Tenaga Atom Nasional, Pusat Penelitian Ps. Djum'at, 1971. 7 p., illus.
401. SRIVASTAVA, O. P., SETHI, B. C., and PANWAR, D. Y. S. Manganese uptake as influenced by genetic variability in paddy under different levels of soil fertility. *Riso* 23(3):315-323, illus. Ref. Sept. 1974.
Italian summary.
402. SUGE, H. Role of plant hormones in the growth and development of crop plants. 2. (In Japanese) *Agric. Hortic.* 49 (8):973-979, illus. Ref. Aug. 1974.
403. SUGE, H. Synergistic action of ethylene with gibberellins in the growth of rice seedlings. *Proc. Crop Sci. Soc. Japan* 43(1):83-87, illus. Mar. 1974.
Japanese summary.
404. SUGE, H. Synergistic action of ethylene with helminthosporic acid in the growth of rice seedlings. *Plant Cell Physiol.* 15(1):143-145, illus. Feb. 1974.
405. SUZUKI, S., and NISIZAWA, K. Changes in the patterns of phosphatase isozymes during the germination of rice seed. *Bot. Mag. Tokyo* 87(1006):79-88, illus. June 1974.
406. SUZUKI, T., and others. Simultaneous determination of patulin and penicillic acid in grains by gas chromatographic method. *Agric. Biol. Chem.* 38(6):1259-1260, illus. June 1974.
Y. Fujimoto, Y. Hoshino, and A. Tanaka, joint authors.
407. TADANO, T. Studies on the iron nutrition of rice plant. 5. Change of the susceptibility to iron toxicity during the growth. (In Japanese) *J. Sci. Soil Manure Japan* 45(11):521-524, illus. Nov. 1974.
408. TAIRA, H., TAIRA, H., and INOUE, S. Effect of soil moisture after young panicle formation stage on mineral composition in lowland brown rice. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(2):135-143, illus. Ref. June 1974.
English summary.
409. TAKAHASHI, K., SATO, K., and WADA, K. Regulation of stem and leaf elongation in Japonica rice seedlings by exogenous growth substances. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(1):127-128, illus. Mar. 1974.
410. TAKAHASHI, N. Plastic variation of rice plants in seedling growth. (In Japanese) *Jap. J. Breed.* 24(Suppl.2):70-71, illus. 1974.
411. TAKAHASHI, N., and HOSOI, N. Regulation of internode elongation in rice plants with special reference to the interrelation of gene action and environment. *In* Mechanisms of regulation of plant growth, p.625-630, illus. Wellington, N.Z., Royal Society of New Zealand, 1974.
412. TAKEDA, T., NAGASHIMA, F., and MITSUHASHI, S. Studies on the nutritive diagnosis and forecast in rice plant. 1. On the nutritive diagnosis and trying of nutritive forecast in the young panicle formation stage. (In Japanese) *Bull. Fukushima Prefect. Agric. Exp. Stn.* 11:27-36, illus. Ref. Nov. 1972.
413. TAKEKAWA, M., and SUNADA, K. Analysis of grain production in rice plants in Hokkaido. I. Ecological effects of planting density on the growth and the plant type in receiving light. (In Japanese) *Bull. Hokkaido Prefect. Agric. Exp. Stn.* 30:16-24, illus. Ref. Oct. 1974.
English summary.
414. TAKEOKA, Y., SHIMIZU, M., and KUROYANAGI, C. Vegetative proliferations of floral spikelets in *Oryza sativa* L. V. Seasonal change of the type of proliferations which differentiate in the spikelets of a mutant induced by X-ray irradiation. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(4):523-530, illus. Ref. Dec. 1974.
English summary.
415. TANAKA, A. Influence of special ecological conditions on growth, metabolism, and potassium nutrition of tropical crops (as exemplified by the case of rice). *In* Potassium in tropical crops and soils, p.147-167, illus. Ref. Berne, Switzerland, International Potash Institute, 1974.
French summary.
416. TANAKA, A., NAKABAYASHI, K., and NAKAYAMA, O. Nutrio-physiological studies on the photosynthetic rate of the leaf. 5. Photosynthetic rate and carbon dioxide compensation point of rice and corn leaves. (In Japanese) *J. Sci. Soil Manure Japan* 45(11):513-516, illus. Nov. 1974.
417. TANAKA, A., TADANO, T., and TADA, Y. Studies on the comparative plant nutrition. 3. Comparison of adaptability to bases among crop plants. (Adaptability to sodium.) (In Japanese) *J. Sci. Soil Manure Japan* 45(6):285-292, illus. June 1974.

418. TANAKA, K., YOSHIDA, T., and KASAI, Z. Distribution of mineral elements in the outer layer of rice and wheat grains, using electron microprobe X-ray analysis. *Soil Sci. Plant Nutr.* 20(1):87-91, illus. Mar. 1974.
419. TANAKA, K., YOSHIDA, T., and KASAI, Z. Radioautographic demonstration of the accumulation site of phytic acid in rice and wheat grains. *Plant Cell Physiol.* 15(1):147-151, illus. Ref. Feb. 1974.
420. TANAKA, N. The study of crop roots. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(2):291-316, illus. Ref. June 1974.
421. TANIYAMA, T., WATANABE, T., and SANO, S. Effect of various air pollutants on photosynthetic rate of rice and corn plants. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 69:13-17, illus. Mar. 1974.
422. TASUMI, J., and KONO, Y. Change of physiological function of leaf at definite position on stem of rice plant with growth of rice community. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 70:49-53, illus. July 1974.
423. TERMAN, G. L. Amounts of nutrients supplied for crops in pot experiments. *Commun. Soil Sci. Plant Anal.* 5(2):115-121, illus. Ref. 1974.
Includes experiments on rice.
424. THAWORNWONG, N., and VAN DIEST, A. Influences of high acidity and aluminum on the growth of lowland rice. *Plant Soil* 41(1):141-159, illus. Ref. Aug. 1974.
425. TOKUHIRO, M. Morphogenetic studies of the influence of ammonium chloride on the growth of rice plants, especially on its root development. *Mem. Tokyo Univ. Agric.* 16:1-30, illus. Ref. Mar. 1974.
426. TOYODA, M. Effects of Na_2SO_4 concentration and reaction. I. Water quality. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 11:52-57, illus. Aug. 1973.
427. TOYODA, M., TANAKA, S., and KAIHO, M. Effects of Na_2SO_4 concentration and reaction. III. Influence of yield component in rice plant. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 11:64-68, illus. Aug. 1973.
428. TROUGHTON, J. H., CHANG, F. H., and CURRIE, B. G. Estimates of a mean speed of translocation in leaves of *Oryza sativa* L. *Plant Sci. Lett.* 3(1):49-54, illus. July 1974.
429. TSENG, S. Y., and LIN, H. C. Influence of hydrogen ion activity in culture solution on the uptake of phosphate by rice seedlings. (In Chinese) *J. Chin. Agric. Chem. Soc.* 12(1/2):14-18, illus. June 1974.
English summary.
430. TSUTSUMI, M., and TAKAHASHI, S. Studies on phytotoxicity of arsenic. 1. Inhibitory effect of arsenic salts on growth of rice. (In Japanese) *Bull. Coll. Agric. Utsunomiya Univ.* 9(1):87-93, illus. Ref. Feb. 1974.
English summary.
431. TULIN, A. S., and MIKHEEV, E. K. Reutilizatsiya azota i fosfora rasteniyami risa v Krymy. [Reutilization of nitrogen and phosphorus by rice plants in the Crimea.] *Agrokhimiya* 11:22-27, illus. 1974.
432. UDAGAWA, T., ITO, A., and UCHIJIMA, Z. Phytometrical studies of crop canopies. III-IV. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(2):180-195; 196-206, illus. Ref. June 1974.
English summaries.
III. Radiation environment in rice canopies; IV. Structure of canopy photosynthesis of rice plants.
433. UETA, H., TANAKA, A., and NISHIO, K. Studies on the influence of public nuisance to rice plants. 5. On the absorption of cadmium by rice plants. (In Japanese) *Bull. Tottori Agric. Exp. Stn.* 13:17-28, illus. Oct. 1973.
English summary.
434. UMETSU, N., and others. Studies of the effect of tenuazonic acid on plant cells and seedlings. *Agric. Biol. Chem.* 38(4):791-799, illus. Ref. Apr. 1974.
T. Muramatsu, H. Honda, and K. Tamari, joint authors.
Includes effects on rice seedlings.
435. U.S. NATIONAL FERTILIZER DEVELOPMENT CENTER. 1970-72 supplement to Nutrition of Rice. Muscle Shoals, Alabama, 1973. 37 p. (Bull. Y-64)
436. VARTAPETYAN, B. B., and others. Tsitokhromy mitokhondrii koleoptilei risa, vyznachennykh v usloviyakh strogoi anoksii. [Cytochromes of mitochondria of rice coleoptiles grown under conditions of strict anoxia.] *Fiziol. Rast.* 20(6):1279-1284, illus. Ref. 1973.
A. I. Maslov, I. N. Andreeva, and G. I. Kozlova, joint authors.
English summary.
437. VERGARA, B. S., and MAZAREDO, A. Effect of abscisic acid on growth and water uptake of rice plants. *Kalkasan Philipp. J. Biol.* 3(2):103-106, illus. 1974.
Also in *Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974*, p.192-194, illus. Ref.

438. VERGARA, B. S., and others. Plant age and internode elongation in floating rice varieties. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 4 p., tables, figs.
A. Mazaredo, W. Abilay, and S. K. De Datta, joint authors.
439. VERGARA, B. S., and others. Relation between leaf area and drought resistance in rice. *In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974*, p.195-198, illus.
R. M. Visperas, K. A. Gomez, and K. Alluri, joint authors.
440. VERGARA, B. S., and MAZAREDO, A. Screening for resistance to submergence under greenhouse conditions. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 5 p.
441. VERGARA, B. S., and others. Some plant characters associated with floating rice and their possible improvement for higher grain yields. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 8 p., illus., tables, figs. Ref.
A. Mazaredo, S. K. De Datta, W. Abilay, and C. Setabutara, joint authors.
442. WALLIHAN, E. F., and SHARPLESS, R. G. Effect of sulfur supply on the optimum concentration of nitrogen in leaves of the rice plant. *Soil Sci.* 118(5):304-307, illus. Nov. 1974.
443. WALLIHAN, E. F., MOOMAW, J. C., and DE DATTA, S. K. Variable optimum concentrations of nitrogen in rice plants. *Soil Sci.* 118(4):263-266, illus. Oct. 1974.
444. WARDEN, J. Unusual nucleolar behaviour of the rice shoot apex. *Caryologia* 26(3):375-382, illus. Ref. July/Sept. 1973.
445. WEERAPAT, P., and WARANIMMAN, P. Varietal difference in ability of 10 day old rice seedlings to survive submergence. *SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J.* 6(2):147-150, illus. Sept. 1974.
446. WELIWITA, S. M. P., and WATABE, T. Distribution of C¹⁴-labelled photosynthetic products assimilated during pre-emergence and ripening of the panicle in the Indica rice varieties. *Proc. Kinki Crop Sci. Plant Breed. Soc.* 19:27-36, illus. Mar. 1974.
Japanese summary.
447. WIDHOLM, J. M. Evidence for compartmentation of tryptophan in cultured plant tissues: free tryptophan levels and inhibition of anthranilate synthetase. *Physiol. Plant.* 30(4):323-326, illus. Ref. 1974.
448. WITTEWER, S. H. Maximum production capacity of food crops. *BioScience* 24(4):216-224, illus. Ref. Apr. 1974.
Includes rice.
449. YAMADA, N., and KONO, Y. Genetic-physiological studies on rice pollen. IV. Effect of excess nitrogen top-dressing on nitrogen metabolism of rice anther. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 71:41-44, illus. Ref. Nov. 1974.
450. YAMADA, O., and others. Plant growth-regulating activities of 4-methoxybenzophenones. *Agric. Biol. Chem.* 38(10):2017-2020, illus. Ref. Oct. 1974.
S. Ishida, F. Futatsuya, K. Ito, H. Yamamoto, and K. Munakata, joint authors.
Tested on rice.
451. YAMAGUCHI, T. Studies on the floating rice. VIII. Effect of raising water level on the amounts of endogenous gibberellin-like substances. *Jap. J. Trop. Agric.* 17(3):147-153, illus. Ref. Mar. 1974.
Japanese summary.
452. YANATORI, S. Effects of temperature at ripening period on characters of rice kernel in several varieties. (In Japanese) *Niigata Agric. Sci.* 26:9-13, illus. Ref. Mar. 1974.
453. YAROSH, N. P. Nakoplenie fosforsoderzhashchikh i azotistyykh veshchestv v semenakh krupyanykh kul'tur i sorgo. [Accumulation of phosphorus and nitrogen containing substances in seeds of small grain crops and sorghum.] *Tr. Prikl. Bot. Genet. Sel.* 51(2):191-201, illus. Ref. 1974.
English summary.
Includes rice.
454. YASUE, T. Effect of soil cover on elongation of mesocotyl and coleoptile of gramineous crops. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 71:15-17, illus. Nov. 1974.
455. YONEYAMA, T., and KUMAZAWA, K. A kinetic study of the assimilation of ¹⁵N-labelled ammonium in rice seedling roots. *Plant Cell Physiol.* 15(4):855-861, illus. Ref. Aug. 1974.
456. YOSHIDA, R., and ORITANI, T. Studies on nitrogen metabolism in crop plants. XIII. Effects of nitrogen top-dressing on cytokinin content in the root exudate of rice plant. *Proc. Crop Sci. Soc. Japan* 43(1):47-51, illus. Ref. Mar. 1974.
Japanese summary.

457. YOSHIDA, S., and others. Soil carbon dioxide flux and rice photosynthesis. *Soil Sci. Plant Nutr.* 20(4):381-386, illus. Ref. Dec. 1974.
V. Coronel, F. T. Parao, and E. de los Reyes, joint authors.
458. YOSHIDA, T., and others. The breakdown of phytic acid in rice and wheat seeds. (In Japanese) *J. Sci. Soil Manure Japan* 45(7):327-331, illus. Ref. July 1974.
K. Tanaka, K. Asada, and Z. Kasai, joint authors.
459. YU, C. J., and YAO, Y. T. Photoperiodic studies on rice. VII. The effect of night temperature on photoperiodic induction. *Taiwania* 19(1):1-6, illus. Ref. 1974.
460. YUKIMOTO, M., and ODA, M. The activity of propanil-hydrolyzing enzyme in the callus induced from rice embryo. (In Japanese) *Bull. Agric. Chem. Insp. Stn.* 14:49-53, illus. Oct. 1974.
English summary.
461. ZADOKS, J. C., CHANG, T. T., and KONZAK, C. F. A decimal code for the growth stages of cereals. *Oat Newsl.* 24:60-69, 1973.
Also in *Eucarpia Bull.* 7:42-52. Ref. Jan. 1974; *Weed Res.* 14(6):415-421. Ref. Dec. 1974.
462. ZANNI NETO, J. A., and others. Epoca de formação do primórdio floral em algumas cultivares de arroz, em Santa Catarina - 1973/74. [Period of formation of floral primordium in some rice cultivars in Santa Catarina - 1973/74.] *In An. IV Reunião Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.32-34, illus.*
S. P. Costa, D. Pottker, E. Mondardo, and V. I. Conceição, joint authors.
463. ZSOLDOS, F. Uptake and efflux of ions in fungicide-treated rice plants. *Plant Soil* 41(1):41-49, illus. Ref. Aug. 1974.

GENETICS, CYTOLOGY AND BREEDING

464. ABE, S., KIYOSAWA, S., and ONO, S. Inheritance of blast resistance of upland rice varieties. I. Inheritance of resistance of an upland rice variety Norin No. 4. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 15:47-64, illus. Ref. 1974.
465. ACADEMIA SINICA. INSTITUTE OF GENETICS. Investigation on the induction and genetic expression of rice pollen plants. *Sci. Sin.* 17(2):209-226, illus. Ref. Apr. 1974.
466. AHMED, I. S., GAD EL-HAK, M., and BALAL, M. S. Selection of some mutants for rice improvement in Egypt. *In Induced mutations for disease resistance in crop plants, p.149.* Vienna, International Atomic Energy Agency, 1974.
467. AKBAR, M., and YABUNO, T. Breeding for saline-resistant varieties of rice. II. Comparative performance of some rice varieties to salinity during early development stages. *Jap. J. Breed.* 24(4):176-181, illus. Ref. Aug. 1974.
Japanese summary.
468. AKBAR, M., and others. Studies on radiosensitivity in Indica and Japonica rice. (In Japanese) *Jap. J. Breed.* 24(Suppl. 1):72-73, illus. 1974.
H. Hasegawa, M. Inoue, and S. Hori, joint authors.
469. AKINO, M., and HAYAMI, Y. Efficiency and equity in public research: rice breeding in Japan's economic development. Los Baños, Laguna, IRRI, Agr. Econ. Dept., 1974. 16 p., tables. Ref.
470. ALVAREZ, M. G. The GEU: a search for big breakthroughs in rice culture. *Greenfields* 3(5):20-24, illus. n.d.
471. ARRAUDEAU, M. L'amélioration variétale du riz. [Varietal improvement of rice.] *Bull. Madagascar* 21(307):968-977, illus. Dec. 1971.
472. ATHWAL, D. S., and KHUSH, G. S. Genetics of disease and insect resistance. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 5 p., table.
473. BAE, S. H. On the urgent problems of rice breeding. (In Korean) *J. Korean Soc. Crop Sci.* 6(1):1-10, illus. Ref. May 1969.
474. BAGCHI, S., and FUJII, T. Modification of radiation damage in rice. *Annu. Rep. Natl. Inst. Genet. [Japan]* 23:79-80. 1972, pub. 1973.
475. BALAKRISHNA RAO, M. J., and NAGARAJU, M. The japonica-indica rice hybridization project in retrospective and prospective. *Int. Rice Comm. Newsl.* 23(1):41-44, illus. Mar. 1974.

476. BALAL, M. S., AHMED, I. S., and TORIYAMA, K. Rice breeding for tolerance to soil salinity in Egypt. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 7 p., tables. Ref.
477. BANGLADESH RICE RESEARCH INSTITUTE. The five year programme of varietal improvement: 1974-1978. Dacca, 1974? 121 p.
478. BARRADAS, M. L. T. Indução de mutações por radiação em variedades de arroz. Estudo de geração M₁. [Induction of mutations by radiation in rice varieties. Study of M₁ generation.] Agron. Lusit. 35(1):27-53, illus. Ref. 1973. English summary.
479. BEACHELL, H. M. Characteristics for consideration in deep water rice breeding programs. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 9 p.
480. BHAN, A. K., and KAUL, M. L. H. Comparative effect of gamma rays and two alkylating agents upon root-shoot ratio in *Oryza sativa* L. seedlings. Seed Sci. Technol. 1(4):767-772, illus. Ref. 1973. French and German summaries.
481. BOLLICH, C. N., and SCOTT, J. E. Rice breeding progress in Texas. Rice J. 77(7):64-65. July 1974.
482. BOONDUANG, R. Maintenance and cataloging of genetic stock. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.3-11. Bangkok, 1974. English summary.
483. BOSE, S., and KUNDU, B. Effects of treatments with dimethyl sulfoxide, ethylene glycol, hydroxylamine and triethanolamine in rice (*Oryza sativa* L.). Acta Bot. Indica 2(1):49-53, illus. Ref. June 1974.
484. BOSE, S., and SHARMA, P. D. Studies on the effect of colchicine on three varieties of rice (*Oryza sativa* L.). Andhra Agric. J. 19(1/2):54-56, illus. Jan./Apr. 1972.
485. BURTON, G. W. An assessment of the technology used in the genetic improvement of crop plants. In Proc. Twentieth Annual Meeting of the Agricultural Research Institute, 1971, p.120-127. Washington, D. C., National Academy of Sciences, 1972.
486. CADA, E. C., and others. Present status of rice improvement at the Maligaya Rice Research and Training Center, Bureau of Plant Industry. In Proc. First Scientific Meeting, Crop Science Society of the Philippines, College, Laguna, 1970, p.23-21, illus. A. J. Bueno, L. C. Valencia, and H. C. de la Cruz, joint authors.
487. CARMONA, P. S., SILVA, N. B. DA, and PEDROSO, B. A. Melhoramento do arroz na Estação Experimental do Arroz - IRGA - ano agrícola 1973/74. [Rice improvement at the Rice Experiment Station - IRGA - agricultural year 1973/74.] In An. IV Reunião Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.35-38.
488. CHAKRABARTI, S. N. An approach to increase the efficiency of induction of mutations in rice (*Oryza sativa* L.). Curr. Sci. 43(23):754-755, illus. Dec. 5, 1974.
489. CHANG, T. M. Studies on the inheritance of grain shape of rice. (In Chinese) J. Taiwan Agric. Res. 23(1):9-15, illus. Mar. 1974. English summary.
490. CHANG, T. T. The ecologic and genetic aspects of photoperiodicity in rice. In Proc. First Scientific Meeting, Crop Science Society of the Philippines, College, Laguna, 1970, p.32-34.
491. CHANG, T. T., VILLAREAL, R. L., and LORESTO, G. C. International collaboration in conserving, evaluating and utilizing rice germ plasm resources. In European and Regional Gene Banks; Proc. Conf., 1972, p.24-25, illus. Wageningen, The Netherlands, EUCARPIA, 1973.
492. CHANG, T. T., LORESTO, G. C., and TAGUMPAY, O. Screening rice germ plasm for drought resistance. SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J. 6(1):9-16, illus. Ref. Mar. 1974.
493. CHANG, T. T., LORESTO, G. C., and TAGUMPAY, O. Upland breeding program at IRRI. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 8 p., tables.
494. CHANTARASNIT, A., and PONGPRASERT, S. Breeding for resistance to diseases. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.54-75, illus. Bangkok, 1974. English summary.
495. CHAUDHRY, A. M., and ESCURO, P. B. Effectiveness of early-generation selection for yield and its components in rice crosses. In Proc. First Scientific Meeting, Crop Science Society of the Philippines, College, Laguna, 1970, p.35-42, illus.

496. CHENG, C. H. Study on cross resistance in rice varieties to three species of rice green leafhoppers. (In Chinese) Kuo Chia K'o Hsueh Wei Yuan Hui (Proc. Nat. Sci. Council) 4(2):273-279, illus. Ref. Dec. 1970.
English summary.
497. CHIN, A. V. E. Genetic analysis of tillering rate and other quantitative characters related to grain yield in two crosses of rice (*Oryza sativa* L.). College, Laguna, 1973. 56 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
498. CHOI, H. O., and others. Effect of Ethrel on chemical induction of male sterility and some vegetative organs in rice plant. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):33-39, illus. Ref. Aug. 1974.
R. K. Park, J. H. Lee, and M. S. Lim, joint authors.
English summary.
499. CHOI, H. O., and others. Studies on the improvement of selection efficiency of hybrid lines based on physiological root activity in rice breeding program. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):13-18, illus. Aug. 1974.
R. K. Park, J. H. Lee, and K. H. Lee, joint authors.
English summary.
500. CHOUDHURY, M. A. Genetics and breeding of deep water rice. In Bangladesh Rice Research Institute. Deep water rice in Bangladesh, p.60-67. Dacca, Aug. 1974.
501. CHU, J. C. Induction of grain mutation in rice by ethylene-imine. (In Japanese) Jap. J. Breed. 24(Suppl.2):24-25, illus. 1974.
502. CHU, Y. E., LI, Y. S., and TSAI, K. S. Breeding for high protein and balanced amino acid rice varieties. 4. The distribution of protein contents in a rice grain. Euphytica 23(1):153-158, illus. Feb. 1974.
503. CHUNG, G. S., and HEU, M. H. Studies on the aseptic culture induced from rice seedlings treated with auxins. (In Korean) J. Korean Soc. Crop Sci. 15:135-140, illus. Feb. 1974.
English summary.
504. COFFMAN, W. R., and JULIANO, B. O. Breeding rice for high protein content. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 7 p., tables.
505. COFFMAN, W. R., and VERGARA, B. S. GEU program for cold tolerance. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 3 p., figs., tables.
506. COFFMAN, W. R. Significance and techniques of high volume crossing in breeding for disease and insect resistance. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 5 p., tables.
507. COOK, R. Nature and inheritance of nematode resistance in cereals. J. Nematol. 6(4):165-174, illus. Ref. Oct. 1974.
Includes rice.
508. CUMPA REYES, D. Características genéticas de las nuevas variedades de arroz. [Genetic characteristics of new rice varieties.] Arroz [Peru] 8(42):7-8, illus. Feb./Apr. 1974.
Radin China and Naylamp varieties.
509. DARUSSALAM, M., and KARJONO. Beberapa pengamatan pendahuluan pengaruh radiasi neutron terhadap perketjambahan benih padi var Shinta. [Effects of radiation by neutron on the growth of rice seeds, Shinta variety.] Bandung, Pusat Reaktor Atom Bandung, 1972. 9 p., illus. Ref.
510. DAS, G. R., and BORTHAKUR, D. N. Association of quantitative characters in rice under late planting condition. Indian J. Genet. Plant Breed. 33(2):152-156, illus. July 1973.
511. DAS, G. R., and BORTHAKUR, D. N. Genetic divergence in rice. Indian J. Genet. Plant Breed. 33(3):436-443, illus. Ref. Nov. 1973.
512. DAVYDOV, N. N. Vliyaniye fizicheskikh i khimicheskikh mutagenov na ris. [The effect of physical and chemical mutagens on rice.] Byul. Nauchno-Tekh. Inf. VNII Risa 5:5-8, illus. 1971.
513. DAY, P. R. Genetics of host-parasite interaction. San Francisco, W. H. Freeman and Co., 1974. 238 p., illus. Ref. Rice blast, p.82-89.
514. D'CRUZ, R. Evolution of chromosome complement in rice *Oryza sativa*. Botanique 1(1):1-5, illus. Ref. 1970.
515. DHULAPPANAVAR, C. V., and KAHAVEVAPPA, M. Development of early high yielding varieties of rice for drilled and coastal tracts of Karnataka. Mysore J. Agric. Sci. 8(2):193-196, illus. 1974.
516. DHULAPPANAVAR, C. V., KOLHE, A. K., and D'CRUZ, R. Inheritance of pigmentation of rice. Indian J. Genet. Plant Breed. 33(2):176-179, illus. July 1973.

517. DHULAPPANAVAR, C. V., KOLHE, A. K., and D'CRUZ, R. Inheritance of pigmentation in rice. III. Auricle, junctura, pulvinus and leaf-axil. *Indian J. Genet. Plant Breed.* 33(3):389-392, illus. Ref. Nov. 1973.
518. DHULAPPANAVAR, C. V. A pleiotropic inhibitory gene in rice (*Oryza sativa* L.). *Indian J. Agric. Sci.* 43(9):848-851, illus. Ref. Sept. 1973, pub. 1974.
519. ESCURO, P. B. Rice breeding programs of the University of the Philippines at Los Baños, College of Agriculture. *In Proc. Conf. on Plant Protection in Tropical and Sub-tropical Areas, Manila, 1974*, 6 p.
520. ESCURO, P. B. Upland rice improvement in the Philippines. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 8 p., tables.
521. FUJIMAKI, H. Blast resistant genes of rice in Asian district and problems of their introduction into Japan. (In Japanese) *Agric. Hortic.* 49(3):371-376, illus. Mar. 1974.
522. FUJIMAKI, H., and KUSHIBUCHI, K. Preliminary report on selection for cooking quality by luster of cooked rice. (In Japanese) *Jap. J. Breed.* 24(Suppl. 1):164-165, illus. 1974.
523. FUJIMAKI, H. Studies on the transfer of desirable genes by backcrossing. I. Notes of transferring genes for blast resistance by the use of *Japonica* X *Indica* hybrids of rice. (In Japanese) *Jap. J. Breed.* 24(1):1-8, illus. Ref. Feb. 1974. English summary.
524. FUKUI AGRICULTURAL EXPERIMENT STATION. Process of breeding for new rice varieties in Fukui Prefecture and its result. (In Japanese) Fukui, Mar. 1974. 215 p., illus. Ref. (Shitei shiken ikushu No. 8)
525. FUTSUHARA, Y. Developmental genetic studies on the induced dwarf mutants in rice. I. (In Japanese) *Jap. J. Breed.* 24(Suppl. 2):68-69, illus. 1974.
526. GAIKWAD, D. G., and BHAPKAR, D. G. Correlation of morphological characters with resistance to blast in rice. *Res. J. Mahatma Phule Agric. Univ.* 4(2):138-139, illus. 1973.
527. GOUD, J. V., NAYAR, K. M. D., and RAO, M. G. Extent of variability in advanced generations of paddy strains. *Mysore J. Agric. Sci.* 8(4):541-545, illus. 1974.
528. GOVINDASWAMI, S., and others. Genetic variability of protein content in rice. *Indian J. Agric. Sci.* 43(8):805-809, illus. Aug. 1973.
A. K. Ghosh, M. K. Sinha, R. N. De, and A. B. Das, joint authors.
529. GUNAWARDENA, I. Present status of breeding for resistance to problem soils in Sri Lanka. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 3 p., tables.
530. HANSON, A. A. Modern concept in plant breeding. *Proc. Int. Seed Test. Assoc.* 34(3):369-384, illus. Ref. 1969.
French and German summaries.
531. HANUMANTHA RAO, C., and SEETHARAMAN, R. Genetic studies in pericarp and hull colour in rice. *Indian J. Genet. Plant Breed.* 33(3):319-323, illus. Ref. Nov. 1973.
532. HAQ, M. S., and others. Disease resistance of some mutants induced by gamma rays. *In Induced mutations for disease resistance in crop plants*, p.150. Vienna, International Atomic Energy Agency, 1974.
M. M. Rahman, M. M. Mia, and H. U. Ahmed, joint authors.
533. HARGROVE, T. R. IRRI'S GEU program: tapping the genetic reservoir of rice. *IRRI Rep.* 2:1-4, illus. 1974.
534. HARGROVE, T. R. Vacuum emasculation streamlines hybridization. *IRRI Rep.* 3:3-4, illus. 1974.
535. HARN, C., and RHEE, Y. I. The effects of gamma irradiation on developing panicle in rice. (In Korean) *Korean J. Breed.* 5(2):107-111, illus. Dec. 1973.
English summary.
536. HARN, C., and RHEE, Y. I. Effects of modifying factors in irradiation of rice seeds and conditions in chemical treatment. (In Korean) *Korean J. Breed.* 5(1):17-26, illus. Ref. Mar. 1973.
English summary.
537. HARN, C., KIM, C. M., and RHEE, Y. I. The post-irradiation oxygen effect in rice seeds. *Korean J. Breed.* 4(1):45-48, illus. Mar. 1972.
Korean summary.
538. HARN, C., and WON, J. L. Radiosensitivity on local rice varieties in Korea. (In Korean) *Korean J. Breed.* 2(1):12-15, illus. Ref. Sept. 1970.
English summary.

539. HARN, C., and others. Selection of high protein mutant in rice by radiation. (In Korean) Korean J. Breed. 3(2):77-83, illus. Ref. Dec. 1971.
J. L. Won, C. K. Park, and J. Y. Yoo, joint authors.
English summary.
540. HARN, C., and others. Studies on quantitative characters of short culm mutants in rice. (In Korean) Korean J. Breed. 3(1):39-42, illus. May 1971.
C. M. Kim, J. L. Won, and J. O. Rhee, joint authors.
English summary.
541. HARN, C. Studies on the anther culture of rice. (In Korean) Korean J. Breed. 1(1):1-11, illus. Ref. Dec. 1969.
English summary.
542. HARN, C., WON, J. L., and CHOI, K. T. Studies on the high protein mutant no. 398 of rice. (In Korean) Korean J. Breed. 6(1):62-66, illus. Aug. 1974.
English summary.
543. HARN, C., WON, J. L., and CHOI, K. T. Variation of agronomic characters of rice mutants grown under different cultivation conditions. (In Korean) Korean J. Breed. 5(1):46-50, illus. Mar. 1973.
English summary.
544. HARN, C., WON, J. L., and CHOI, K. T. Variation of protein content of rice mutants cultivated under different nitrogen fertilizer levels. (In Korean) Korean J. Breed. 4(1):23-28, illus. Mar. 1972.
English summary.
545. HERRERA, R. M., and COFFMAN, W. R. Emasculation of rice by vacuum extraction. In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.12-14, illus.
546. HESZKY, L., and SAJO, Z. Haploid novenyek eloallitasa az Oryza sativa L. in vitro portok- es ovariumkulturalbol. I. Kalluszsovet, gyoker- es hajtasindukcio. [Raising haploid plants of Oryza sativa L. by in vitro anther and ovary culture. I. Callus-tissue root and shoot induction.] Agrobotanika 14:35-41, illus. 1972.
Russian and English summaries.
547. HEU, M. H., KIM, K. H., and SUH, H. S. Basic studies for the breeding of high protein rice. III. Effect of nitrogen, phosphorus and potassium fertilizers on the protein content in rice kernels. (In Korean) J. Korean Soc. Crop Sci. 15:123-128, illus. Ref. Feb. 1974.
English summary.
548. HEU, M. H., and MOON, H. P. Basic studies for the breeding of high protein rice. IV. Effect of short-day and high-temperature treatment on the amylose and crude protein content of rice. (In Korean) J. Korean Soc. Crop Sci. 15:129-133, illus. Ref. Feb. 1974.
English summary.
549. HEU, M. H., and CHOE, Z. R. Inheritance of alkali digestibility of rice grain in the Indica x Japonica crosses. (In Korean) Korean J. Breed. 5(1):32-36, illus. Ref. Mar. 1973.
English summary.
550. HEU, M. H., KIM, K. H., and CHOI, S. Y. Inheritance of resistance to plant and leaf-hoppers of rice varieties. I. Inheritance of resistance to brown planthopper (Nilaparvata lugens Stal.). (In Korean) Korean J. Breed. 6(2):103-106, illus. Dec. 1974.
English summary.
551. HEU, M. H. Present status and future aspects of rice breeding in Korea. (In Korean) J. Korean Soc. Crop Sci. 16:35-45, illus. Ref. Feb. 1974.
552. HEU, M. H. Present status of breeding for cold tolerance. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 6 l., tables.
553. HEU, M. H., and KIM, S. J. The segregation mode of plant height in the crosses of rice varieties. II. Japonica x Japonica. Korean J. Breed. 3(2):61-67, illus. Dec. 1971.
Korean summary.
554. HEU, M. H., and PARK, S. Z. The segregation mode of plant height in the crosses of rice varieties. III. Japonica x Indica crosses. (In Korean) Korean J. Breed. 5(2):112-118, illus. Ref. Dec. 1973.
English summary.
555. HEU, M. H., and SUH, H. S. The segregation mode of plant height in the crosses of rice varieties. IV. The segregation in the F_2 , F_3 , BC_1F_1 and BC_1F_2 in some non-allelic combinations. (In Korean) Korean J. Breed. 6(1):34-41, illus. Ref. Aug. 1974.
English summary.

556. HEU, M. H., and CHAE Y. A. Selection response for culm length and heading days in the two Japonica x dwarf indica combinations of rice (*Oryza sativa*). Korean J. Breed. 1(1):49-54, illus. Dec. 1969.
Korean summary.
557. HIGASHI, T., KUSHIBUCHI, K. and ITO, R. Studies on breeding for high protein rice. I. Protein content of different rice varieties and their relations with some agronomic traits including yield. (In Japanese) Jap. J. Breed. 24(2):88-96, illus. Ref. Apr. 1974.
English summary.
558. HIGASHI, T., and KUSHIBUCHI, K. Variance of F_2 population and correlation between F_2 plants and F_3 lines observed in protein content of brown rice. (In Japanese) Jap. J. Breed. 24(Suppl.1):168-169, illus. 1974.
559. HOFF, B. J. Male sterility in rice. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:24-26. 1973.
560. HONGO, M., NISHIGATA, Y., and SHIMURA O. On the breeding of new paddy rice variety "Biwahikari". (In Japanese) Bull. Shiga Prefect. Agric. Exp. Stn. 15:9-12, illus. Mar. 1973.
English summary.
561. HORIUCHI, H., and KIYOSAWA, S. A method for testing field resistance in rice varieties with true resistance to blast disease. (In Japanese) Bull. Fukui Agric. Exp. Stn. 11:63-73, illus. Ref. Mar. 1974.
English summary.
562. HSIEH, Y. T. Rice variety improvement program of the Chinese Agricultural Technical Mission during 1973. (In Chinese) Int. Tech. Coop. Bull. 114:19-33, 18, illus. Sept. 1974.
563. INDIAN AGRICULTURAL RESEARCH INSTITUTE. DIVISION OF GENETICS. Periodical report 1973. New Delhi, 1973. 76 p., illus.
564. INOUE, M., HASEGAWA, H., and HORI, H. Effects of pre- and post-treatment on the radiosensitivity in rice. (In Japanese) Jap. J. Breed. 24(Suppl.1):74-75, illus. 1974.
565. INTERNATIONAL RICE RESEARCH INSTITUTE. The genetic conservation program of IRRI. Los Baños, Laguna, Dec. 1974. 70 p.
566. INTERNATIONAL RICE RESEARCH INSTITUTE. Rice scientists researching new high-protein varieties. Ricemill News 10(5):36-37, illus. Jan./Feb. 1974.
567. IRRI testing new strains. Ricemill News 10(5):50. Jan./Feb. 1974.
568. ISHII, K., and YAMASAKI, Y. Studies on manifestation of blast resistance in seedling stage of rice plant. Observation by the sheath inoculation method. (Preliminary report). (In Japanese) Jap. J. Breed. 24(Suppl.2):154-155, illus. 1974.
569. ISHIMINE, Y., SHINJO, C., and TOMA, S. Distribution of fertility restorer varieties for male sterile Lead Rice cytoplasm. I. Commercial lowland-rice cultivated in Japan. (In Japanese) Jap. B. Breed. 24(Suppl.1):128-129, illus. 1974.
570. ISHIZAKA S., and SAMOTO, S. Evaluation of back crossing on recombining of short stiff straw and good grain quality in rice breeding. (In Japanese) Jap. J. Breed. 24(Suppl.2):2-3, illus. 1974.
571. JACQUOT, M. Systèmes géniques contrôlant une courte taille de plante pour l'amélioration variétale du riz pluvial. [Genic systems controlling the short height of the plant for the variety improvement of rainfed rice.] Agron. Trop. [France] 29(9):911-916, illus. Ref. Sept. 1974.
English and Spanish summaries.
572. JANA, M. K., and ROY, K. Induced quantitative mutation in rice. Radiat. Bot. 13(5):245-257, illus. Ref. 1973.
573. JAPAN. AGRICULTURE, FORESTRY, AND FISHERIES RESEARCH COUNCIL. Establishment of anther culture techniques. (In Japanese) Tokyo, Aug. 1974. 125 p., illus. Ref. (Kenkyu seika No. 76)
574. JENNINGS, P. R. Rice breeding and world food production. Science 186(4169):1085-1088. Dec. 20, 1974.
575. JODON, N. E. Testing and advancing recent rice selections. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:5-12. 1973; 66th:5-12. 1974.
576. JOHNSON, V. A., and LAY, C. L. Genetic improvement of plant protein. J. Agric. Food Chem. 22(4):558-556, illus. Ref. July/Aug. 1974.
Includes rice.
577. JOHNSTON, T. H. Rice breeding and varietal development. Rice J. 77(7):26-27. July 1974.
In Arkansas.

578. JOSHUA, D. C., and others. Characteristics of dwarf mutants induced in rice. *In Proc. Symp. on Radiations and Radiomimetic Substances in Mutation Breeding, 1969*, p.185-196, illus. Ref. Bombay, Dept. of Atomic Energy, 1970. N. S. Rao, C. R. Bhatia, K. B. Mistry, and B. M. Bhujbal, joint authors. Includes discussion.
579. KADAM, B. S. Patterns of anthocyanin inheritance in rice. I. A wild rice of Assam. *Res. J. Mahatma Phule Agric. Univ.* 1(2):98-106. 1970.
580. KADAM, B. S. Patterns of anthocyanin inheritance in rice. III. Japan-1 x T-433. *Res. J. Mahatma Phule Agric. Univ.* 4:32-37, illus. 1973.
581. KAMWIMA, O. Characteristics and classification of so-called dwarf rice. II. Principal component analysis of the panicle and internode lengths in dwarf strains of rice and its implication in grouping the strains. (In Japanese) *Jap. J. Breed.* 24(6):261-268, illus. Ref. Dec. 1974. English summary.
582. KANEDA, C. Present status on the breeding for disease and pest resistance in Afro-Asian countries. (In Japanese) *Nogyo Gijutsu* 29(9):405-409, illus. Sept. 1974.
583. KANEDA, C., and BEACHELL, H. M. Response of Indica-Japonica rice hybrids to low temperatures. *SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J.* 6(1):17-32, illus. Ref. Mar. 1974.
584. KANEDA, C. Screening of rice varieties for brown planthopper resistance through bulk seedling tests. (In Japanese) *Jap. J. Breed.* 24(Suppl. 2):152-153, illus. 1974.
585. KANEDA, C. View of the world cooperation in rice breeding experiments by the International Rice Research Institute. (In Japanese) *Recent Adv. Breed.* 14:91-96, illus. 1972, pub. 1974.
586. KATAOKA, K., and ENDO, M. Variation of protein content in F₂ brown rice. (In Japanese) *Jap. J. Breed.* 24(Suppl. 2):132-133, illus. 1974.
587. KATAYAMA T., and OGAWA, T. Cytogenetical studies on the genus Oryza. VII. Cytogenetical studies on F₁ hybrids between diploid O. punctata and diploid species having C genome. *Jap. J. Breed.* 24(4):165-168, illus. Ref. Aug. 1974. Japanese summary.
588. KATAYAMA, T. C. Diallel cross experiment among Sikkimese varieties, Indica and Japonica testers of rice, Oryza sativa L. I. Crossability, pollen and seed fertilities. *Mem. Fac. Agric. Kagoshima Univ.* 10:1-35, illus. Ref. Mar. 1974.
589. KAUL, A. K., and DHAR, R. D. Rapid screening methods for isolating mutants with better protein quality. *In Proc. Symp. on Radiations and Radiomimetic Substances in Mutation Breeding, 1969*, p. 418-426, illus. Ref. Bombay, Dept. of Atomic Energy, 1970. Includes discussion.
590. KAUL, M. L. H., and BHAN, A. K. Studies on some genetic parameters of rice (Oryza sativa L.). *Theor. Appl. Genet.* 44(4):178-183, illus. Ref. 1974.
591. KAWAI, T. Induction of blast-resistant mutations in rice. *In Induced mutations for disease resistance in crop plants*, p.153. Vienna, International Atomic Energy Agency, 1974.
592. KAWANO, K., ARRIOLA, P., and VELASQUEZ, S. Características varietales del arroz, relacionadas con altos rendimientos en la costa del Peru. [Rice varietal characteristics related to high yield in the Peruvian Coast.] *Inf. Tec. Programa Nac. Arroz Peru* 55:36 p., illus. Ref. 1971. English summary.
593. KAWANO, K., GONZALEZ, H., and LUCENA, M. Intraspecific competition, competition with weeds, and spacing response in rice. *Crop Sci.* 14(6):841-845, illus. Ref. Nov./Dec. 1974. Issued in Spanish as *Inf. Tec. Programa Nac. Arroz Peru* 74:12 p.
594. KHAMBANONDA, P., CHOMBHUBOL, M., and WONGVIVAT, J. Induced mutations. (In Thai) *In Thailand. Rice Dept. Annual research report, 1971*, p. 48-53. Bangkok, 1974. English summary.
595. KHUSH, G. S., and LING, K. C. Inheritance of resistance to grassy stunt virus and its vector in rice. *J. Hered.* 65(3):134-136, illus. Ref. May/June 1974.
596. KHUSH, G. S. Rice. *In King, R. C., ed. Handbook of genetics, Vol. 2*, p. 31-58, illus. Ref. New York, Plenum Press, 1974.

597. KIKUCHI, F., and others. Relationship between blast resistance and other characteristics in a cross between Koshihikari and glutinous upland rice Norin 4. (In Japanese) Jap. J. Breed. 24(Suppl.2):148-149, illus. 1974.
M. Yokoo, A. Nakane, and M. Kawai, joint authors.
598. KIM, Y. S., and BRUNNER, H. Uptake and elution studies of monofunctional alkylating agents into various tissues of the rice seeds. Korean J. Breed. 2(1):16-20, illus. Ref. Sept. 1970.
Korean summary.
599. KIM, Y. S. Varietal differences and drying storage effects for some treatment conditions of EMS and MMS on rice seeds. (In Korean) J. Korean Soc. Crop Sci. 12:55-62, illus. Ref. Dec. 1972.
English summary.
600. KINOSHITA, T., and others. Genetical studies on rice plant. LXI. Character expression and inheritance mode of three kinds of dwarf rice. (In Japanese) Res. Bull. Univ. Farm Fac. Agric. Hokkaido Univ. 19:64-75, illus. Mar. 1974.
M. Takahashi, K. Mori, and N. Shinbashi, joint authors.
English summary.
601. KINOSHITA, T., and TAKAHASHI, M. Inheritance of minute grain type in rice plant. (In Japanese) Jap. J. Breed. 24(Suppl.1):120-121, illus. 1974.
602. KINOSHITA, T., and others. Inheritance of three kinds of dwarf rice, 'Hosetsu dwarf', 'Kamikawa dwarf' and 'Hayayuki dwarf'. (In Japanese) Jap. J. Breed. 24(Suppl.2):64-65, illus. 1974.
M. Takahashi, K. Mori, and N. Shinbashi, joint authors.
603. KITSUTAKA, A., and CHEW BOON HOCK. Catalog of rice germplasm maintained at Rice Research Centre, MARDI, 1974. N.p., Tropical Agriculture Research Centre and Malaysian Agricultural Research and Development Institute, July 1974. 87 p.
604. KIYOSAWA, S., and LEE, E. J. Expression of action of genes for blast resistance in rice plant. (In Japanese) Jap. J. Breed. 24(Suppl.2):150-151, illus. 1974.
605. KIYOSAWA, S. Gene analysis of blast resistance of rice variety, Hokuriku 12. (In Japanese) Agric. Hortic. 49(8):1039-1040, illus. Aug. 1974.
606. KIYOSAWA, S. Inheritance of blast resistance of a U.S. rice variety, Dawn. Jap. J. Breed. 24(3):117-124, illus. Ref. June 1974.
Japanese summary.
607. KIYOSAWA, S. Inheritance of blast resistance of Chinese variety, Kannonsen. (In Japanese) Agric. Hortic. 49(3):445-446, illus. Mar. 1974.
608. KIYOSAWA, S. Studies on genetics and breeding of blast resistance in rice. (In Japanese) Misc. Publ. Natl. Inst. Agric. Sci. [Japan] Ser. D 1:1-53, illus. Ref. Mar. 1974.
English summary.
609. KO, T., KIRIMURA, S., and YAMAGATA, H. Breeding of promising mutant lines in rice by EI treatment. (In Japanese) Jap. J. Breed. 24(Suppl.1):82-83, illus. 1974.
610. KOBAYASHI, A. Inheritance of dwarfism and shattering and their linkage in rice variety. (In Japanese) Hokuriku Crop Sci. 8:29-30, illus. 1973, pub. Mar. 1974.
611. KOBAYASHI, A. Studies on the adaptability to heavy manuring in rice varieties. 2. Relationship between ripening ability and regrowth vigour at the ripening stage. (In Japanese) Jap. J. Breed. 24(Suppl.2):158-159, illus. 1974.
612. KOWYAMA, Y., KAWASE, T., NAKAO, K. Relationship between factors affecting radiosensitivity and mutation rates in rice varieties. I. Radiosensitivity in dry seeds for gamma ray and thermal neutron. (In Japanese) Jap. J. Breed. 24(Suppl.2):20-21, illus. 1974.
613. KUMARAN, K. Investigations on intra-racial (*indica* x *indica*) hybrid sterility in rice (*Oryza sativa* L.). Coimbatore, 1974. 159, xvii p., plates.
Thesis (Ph.D.)--Tamil Nadu Agricultural University.
614. KUMWENDA, A. S. Rice improvement programme in Malawi. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 11 p., illus.
615. KUSHIBUCHI, K. Introduction to new hybrids of summer crops. (In Japanese) Jap. J. Breed. 23(6):339-342, illus. Dec. 1973.
Includes rice.

616. KWACK, B. H., and KIM, C. Induction of red discoloration in rice var. Tongil with certain metabolic inhibitors. *J. Korean Soc. Crop Sci.* 15:115-121, illus. Ref. Feb. 1974. Korean summary.
617. KWON, S. H., OH, J. H., and SONG, H. S. A simple screening technique for blast resistant mutants from the radiation irradiated rice populations. (In Korean) *J. Korean Soc. Crop Sci.* 15:141-143, illus. Feb. 1974. English summary.
618. KWON, S. K. Selection for blast-resistant mutants in irradiated rice populations. In *Induced mutations for disease resistance in crop plants*, p.103-115, illus. Vienna, International Atomic Energy Agency, 1974.
619. LEON, J. Handbook of plant introduction in tropical crops. Rome, FAO, 1974. 140 p. (FAO Agric. Stud. No.93) Rice, by T. T. Chang, p.7-12.
620. LI, C. C. Genetic analysis of the linkage intensities, heritability and genetic correlation between dwarf mutant and cultivated rice. *Kuo Chia K'o Hsueh Wei Yuan Hui (Proc. Nat. Sci. Council.)* 4(2):141-150, illus. Ref. Dec. 1970.
621. LIN, C. I., TZEN, M. T., and TSAI, H. S. Some influential factors affecting callus formation from in-vitro cultured anthers of rice plants. (In Chinese) *Mem. Coll. Agric. Natl. Taiwan Univ.* 15(2):38-53, illus. Ref. Dec. 1974. English summary.
622. LIN, F. H., and WU, Y. L. Analysis on the adaptability of indica rice progenies under different cultural environments. (In Chinese) *J. Agric. Assoc. China* 96:9-18, illus. Ref. June 1974. English summary.
623. LIN, F. H. Inheritance of weak photoperiod sensitivity in rice varieties. College, Laguna, 1971. 48 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
624. LIN, S. S. Low temperature induced floret sterility in rice (*Oryza sativa* L.). Davis, Calif., 1973. 83 p., illus. Ref. Thesis (Ph.D.)--University of California at Davis. Abstract in *Diss. Abstr. Int.* B 35(1):3-B-4-B. July 1974.
625. LIN, T. F., and LIN, P. C. The outlook of indica rice improvement in Taiwan. (In Chinese) *Taiwan Agric. Q.* 10 (1):83-97, illus. Ref. Mar. 1974. English summary.
626. LOPEZ CAMPOS, G. Variedades de arroz com mayor contenido de proteínas, problemas de la mejora genética. [Rice varieties with high protein content; problems of genetic improvement] *Arroz [Spain]* 14(50):6-7. May 1974.
627. LORESTO, G. C. Inheritance of culm length in selected dwarfs of rice (*Oryza sativa* L.) and its association with other agronomic traits. College, Laguna, 1973. 82 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
628. MCCOMB, J. A. New techniques for plant breeding. *J. Aust. Inst. Agric. Sci.* 40(1):3-10, illus. Ref. Mar. 1974.
629. MCILRATH, W. O., and SCHILLING, P. E. Development of system for recording and processing regional rice research data. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:33. 1974.
630. MCILRATH, W. O., JODON, N. E., and TRAHAN, G. J. Rice variety improvement program. *Rice J.* 77(7):42,44-45. July 1974. In Louisiana.
631. MCILRATH, W. O. Winter nursery advancement of rice breeding lines in Puerto Rico. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:32. 1974.
632. MAHADEVAPPA, M. A cent per cent male sterile hybrid in rice at R.R.S. Mandya offers great scope for research on inducing desirable characters. *Curr. Res.* 2(10):79. 1973.
633. MAHADEVAPPA, M., and SHANKARE GOWDA, B. T. Some important technological consideration (s) in rice breeding. *Madras Agric. J.* 60(6):408-411, illus. June 1973.
634. MAJUMDAR, B. Note on the frequency of mutants in rice relation with flowering time. *Indian J. Agric. Res.* 7(3/4):199-200, illus. Sept./Dec. 1973.
635. MAJUMDER, B. Studies on the induced polyembryony and twin seedlings in rice by X-ray and ³²P. *Trans. Bose Res. Inst.* 32(3/4):105-108. 1969.
636. MANIMEKALAI GURUNATHAN, G., and others. Inheritance of pollen content in rice. *Curr. Sci.* 43(4):149-150, illus. Mar. 5, 1974. R. Swaminathan, R. Jambulingam, and S. R. Sree Ranganamy, joint authors.

637. MANUEL, W. W., and others. Useful additions of blast resistant cultures to germ-pool. *Madras Agric. J.* 60(6):415-416, illus. June 1973.
S. Vairavan, S. Sivasubramaniam, and N. Srinivasalu, joint authors.
638. MARIE, R. La mutagenèse expérimentale. [The experimental mutagenesis.] *Agron. Trop. [France]* 29(9):892-900, illus. Sept. 1974.
English and Spanish summaries.
639. MARIE, R. Rice mutants and resistance to blast disease. *In* Induced mutations for disease resistance in crop plants, p.154. Vienna, International Atomic Energy Agency, 1974.
640. MARTINEZ, C. R. Inheritance of resistance to the brown planthopper, *Nilaparvata lugens* (Stal.) in some breeding lines of rice (*Oryza sativa* L.). College, Laguna, 1971. 44 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
641. MARTINEZ, C. R., and KHUSH, G. S. Sources and inheritance of resistance to brown planthopper in some breeding lines of rice. *Crop Sci.* 14(2):264-267, illus. Ref. Mar./Apr. 1974.
642. MASAJO, T. M. Breeding behavior and relationship of white belly and gelatinization temperature to amylose content of the rice endosperm. College, Laguna, 1971. 127 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
643. MATSUO, T. Handbook of plant breeding. (In Japanese) Tokyo, Yokendo, 1974. 1110 p., illus.
Oryza sativa L., p. 703-718.
644. MATUBA, K. Mechanism on the development of deformed spikelets in *Oryza sativa* L. III-IV. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(3):325-334; 335-344, illus. Ref. Sept. 1974.
English summaries.
III. The main vascular course and the morphological nature of the compound 2-flowered spikelet; IV. The relationships between form and structure in both the compound 2-flowered and the double-ovary spikelets.
645. MAURYA, D. M. Breeding rice varieties suited to different flooding. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 18 p., illus. Ref.
646. METZ, E. T. Genetic improvement of cereals. *Nutr. Rev.* 32(5):129-131, illus. Ref. May 1974.
Includes rice.
647. MIAH, A. J., MUSTAFA, G., and SOOMRO, A. M. Mutations induced by chemical mutagens in rice. *SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J.* 6(1):79-82, illus. Mar. 1974.
648. MISRA, G., and KHAN, P. A. Photoinduced microsporogenesis in rice. *Bot. Gaz.* 135(3):192-195, illus. Sept. 1974.
649. MITRA, G. N., SEETHARAMAN R., and SRIVASTAVA, D. P. Inheritance in a cross between Back and profuse tillering dwarf rice. *Indian J. Genet. Plant Breed.* 33(2):234-238, illus. July 1973.
650. MOHANTY, H. K., and MOHAPATRA, K. C. Diallel analysis of yield and its components in rice. *Indian J. Genet. Plant Breed.* 33(2):264-270, illus. Ref. July 1973.
651. MONYO, J. H., and MWARUKA, S. H. Rice breeding and genetics in Tanzania. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 11 p., illus.
652. MONYO, J. H., HASWELL, D. R., and MWARUKA, S. H. Selection in the rice variety Kihogo Red for yield improvement. *East Afr. Agric. For. J.* 39(2):149-157, illus. Oct. 1973.
653. MORI, K., KINOSHITA, T., and TAKAHASHI, M. Genetical studies on rice plant. LX. Segregation distortion and its variability of endosperm character in crosses of distantly related rice varieties. (In Japanese) *Res. Bull. Univ. Farm Fac. Agric. Hokkaido Univ.* 19:51-63, illus. Ref. Mar. 1974.
English summary.
654. MORISHIMA, H., and OKA, H. I. Analysis of genetic variation in plant type of rice. VI. Intervarietal variations in growth pattern obtained from the International Rice Adaptation Experiment. *Jap. J. Breed.* 24(5):226-236, illus. Oct. 1974.
Japanese summary.
655. MORISHIMA, H. Floating ability as an adaptive character of rice and its measuring method. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 9 p., illus.
656. MORISHIMA, H., and OKA, H. I. Intervarietal variations in growth pattern obtained from the International Rice Adaptation Experiment (JIBP/UM). (In Japanese) *Jap. J. Breed.* 24(Suppl.2):60-61, illus. 1974.

657. MUKHERJI, D. K., and MANDAL, B. K. Correlation of some yield attributes in rice varieties. *Indian J. Genet. Plant Breed.* 33(3):426-429, illus. Ref. Nov. 1973.
658. MURAYAMA, S., OMURA, T., and MIYAZATO, K. Basic studies on utilization of hybrid vigor in rice. IV. Heterosis under different cultural conditions. *Jap. J. Breed.* 24(6):287-290, illus. Dec. 1974.
Japanese summary.
659. NAIR, N. K., and NINAN, C. A. Induced mutation frequency and segregation ratios among tillering systems in rice. *Newsl. Indian Soc. Nucl. Tec. Agric. Biol.* 2(1):33-35. Ref. Mar. 1973.
660. NAKAGAHRA, M., HAYASHI, K., and AKIHAMA, T. Genetic variation and geographical cline of esterase isozyme in Asian native rice varieties. (In Japanese) *Jap. J. Breed.* 24(Suppl.2):54-55, illus. 1974.
661. NAKAGAHRA, M., OMURA, T., and IWATA, N. New certation on the first linkage group found by inter-subspecific hybridization of cultivated rice. *J. Fac. Agric. Kyushu Univ.* 18(3):157-167, illus. Ref. June 1974.
662. NAKAO, K., KOWYAMA, Y., and KAWASE, T. Relationship between factors affecting radiosensitivity and mutation rates in rice varieties. II. Varietal differences in radiosensitivity at heading period. (In Japanese) *Jap. J. Breed* 24 Suppl.2):22-23, illus. 1974.
663. NAKATAT, S. Heritability estimates concerning some physical characteristics of the rice grain. Bangkok, 1972. 50 p., illus. Ref.
Thesis (M.S.)--Kasetsart University.
664. NATAL'IN, N. B., MOSINA, S. B., and CHAN KUANG NGOK. Mutatsionnye izmeneniya u risa. [Mutational changes in rice.] *Genetika* 10(2):176-178, illus. Feb. 1974.
English summary.
665. NAYAK, P., and PADMANABHAN, S. Y. Induced mutations for disease resistance in rice. *In* Induced mutations for disease resistance in crop plants, p.154-155. Vienna, International Atomic Energy Agency, 1974.
666. NEMOTO, H., and others. On the contamination of non-glutinous grains in the seed of glutinous rice varieties. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 15:1-12, illus. 1974.
H. Hanawa, K. Koibuchi, and S. Ono, joint authors.
667. OGAWA, T., and KATAYAMA, T. Cytogenetics on the genus Oryza--Chromosome pairing in the interspecific hybrid between diploid O. punctata and O. officinalis. *Jap. J. Genet.* 49(4):257-260, illus. Aug. 1974.
668. OKA, H. I. Analysis of genes controlling F₁ sterility in rice by the use of isogenic lines. *Genetics* 77(3):521-534, illus. Ref. July 1974.
669. OKA, H. I. Prospects for the improvement of floating rice varieties. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 10 p., illus.
670. OKADA, M. Selection of composite rice varieties for breeding. (In Japanese) *Recent Adv. Breed.* 14:5-10, illus. 1972, pub. 1974.
671. OKUNO, K., and KAWAI, T. Mutagenic effects of DNA base analogues and related substances on rice. I. Induction of mutations following treatments with bromodeoxyuridine and 2-aminopurine. (In Japanese) *Jap. J. Breed.* 24(Suppl.2):26-27, illus. 1974.
672. OMURA, T., and SATO, H. Chloroplast structure of virescent mutants, v₁, v₂ and v₃, in rice. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):54-55, illus. 1974.
673. ONOZAWA, Y. Effects of chemical mutagens applied on growing plants. *Gamma Field Symp.* 11:61-72, illus. Ref. 1972.
Japanese summary.
Rice and barley.
674. PANICHAPAT, W., BOOZAYA-ANGOON, D., and TRACHOO, P. A rice hybrid from an aroma cultivar. *Thai J. Agric. Sci.* 7(3):169-174, illus. July 1974.
675. PETPISIT, V. Studies on the inheritance of resistance to bacterial blight in rice. College, Laguna, 1974. 35 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
676. PUSHPAVESA, S., and THAMVATANAKUL, N. 4-row observation test. (In Thai) *In* Thailand. Rice Dept. Annual research report, 1971, p.16-18. Bangkok, 1974.
English summary.
Trials of new and selected lines.

677. PUSHPAVESA, S., and CHITRAKON, S. Inter-station yield trial. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.24-29, illus. Bangkok, 1974.
English summary.
678. PUSHPAVESA, S., and CHITRAKON, S. Intra-station yield trial. (In Thai) In Thailand. Rice Dept. Annual research report, 1971. p.19-23, illus. Bangkok, 1974.
English summary.
679. PUSHPAVESA, S., and THAMVATANAKUL, N. Single-row and 2-row observation tests. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.12-15. Bangkok, 1974.
English summary.
Trials of new and selected lines.
680. PUSHPAVESA, S. Studies on the association of the glabrous character (gl) with yield and other characters in F₃ and F₄ pedigree lines from the cross IR8 x (Accession 6993 x Sigadis). College, Laguna, 1971. 47 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
681. RABSON, R. Protein improvement in crop plants. Int. At. Energy Agency Bull. 16(5):22-25, illus. Oct. 1974.
Includes protein in rice.
682. RAM, M. Useful induced mutations in rice. In Induced mutations for disease resistance in crop plants, p.161-164, illus. Ref. Vienna, International Atomic Energy Agency, 1974.
683. RANGANADHACHARYULU, N., and YESODA RAJ, A. Pachytene analysis in an interspecific hybrid Oryza punctata Kotschy ex Steud x O. eichingeri A. Peter. Cytologia 39(2):233-243, illus. Ref. June 1974.
684. RANGANATHAN, T. B., and NARAYANASAMY, P. The role of little dee-geo-woo-gen in rice breeding. Farm Fact. 8(6):3-5, illus. Apr. 1974.
685. REDDY G. M., and REDDY, T. P. Induced semidwarf Basumati rice mutant for commercial use. In Proc. Int. Symp. on Use of Isotopes and Radiation in Agriculture and Animal Husbandry, India, 1971, p.237-241, illus.
686. REDDY, T. P., REDDY, C. S., and REDDY, G. M. Interaction of certain base-specific chemicals and diethylsulphate in the induction of chlorophyll mutations in Oryza sativa L. Mutat. Res. 22(2):127-132, illus. Ref. Feb. 1974.
687. REDDY, T. P., REDDY, C. S., and REDDY, G. M. Mutational studies with some base specific chemicals in Oryza sativa L. Indian J. Exp. Biol. 11(3):222-224, illus. May 1973.
688. REE, J. H. Inheritance of culm length in a cross of mutant rice variety Milyang 10. SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J. 6(1):83-85, illus. Mar. 1974.
689. REE, J. H., CHUNG, H. S., and CHUNG, B. C. Reaction of the rice mutant MR515-17 to some races of Pyricularia oryzae in Korea. In Induced mutations for disease resistance in crop plants, p.166-168, illus. Vienna, International Atomic Energy Agency, 1974.
690. ROSERO, M. J. Combinación múltiple de líneas en la selección de variedades resistentes al bruzone. [Multiple combination of lines in the selection of varieties resistant to blast.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.3-5.
691. RUSSO, S. Il primo simposio internazionale sull'impiego degli aploidi nella genetica vegetale - recenti sviluppi e prospettive. [First international symposium on utilization of haploids in plant genetics - recent developments and prospects.] Riso 23(4):327-341, illus. Dec. 1974.
English summary.
692. SAINI, S. S., and KUMAR, I. Hybrid vigour for yield and yield components in rice. Indian J. Genet. Plant Breed. 33(2):197-200, illus. July 1973.
693. SAINI, S. S., KUMAR, I., and GAGNEJA, M. R. A study on heterosis in rice (Oryza sativa L.). Euphytica 23 (2):219-224, illus. Ref. June 1974.
694. SAIO, K. A view of the characteristics evaluation of crop varieties. (In Japanese) Recent Adv. Breed. 14:33-35. 1972, pub. 1974.
695. SAITO, S., YAMAGUCHI, K., and SUDO, T. Aim of rice variety selection and new varieties. (In Japanese) Tohoku Agric. Res. 15:141-143, illus. Apr. 1974.
696. SAMBAMURTY, A. V. S. S. An auto-tetraploid in rice (Oryza sativa L.) induced by EMS. Curr. Sci. 43(6):182-184, illus. Mar. 20, 1974.
697. SAMOTO, S., and HAMAMURA, K. Inheritance of the grain characters in rice plant. (In Japanese) Hokuriku Crop Sci. 8:11-13, illus. 1973, pub. Mar. 1974.

698. SAMOTO, S., and KANAI, D. Short stiff mutations induced by gamma-ray irradiation in rice variety KOSHI HIKARI. (In Japanese) Jap. J. Breed. 24(Suppl.2):46-47, illus. 1974.
699. SAMPATH, S. A possible application of bacterial mutagenesis to rice production. In Proc. Symp. on Radiations and Radiomimetic Substances in Mutation Breeding, 1969, p.271-273. Bombay, Dept. of Atomic Energy, 1970.
700. SARALA, A. K., and REDDY, G. M. Morphological & developmental abnormalities of spikelets in IR-8 mutants of rice. Indian J. Exp. Biol. 12(5):466-468, illus. Sept. 1974.
701. SASAKI, T., KINOSHITA, T., and TAKAHASHI, M. Genetical studies in rice plant. LVII. Estimation of the number of genes in the germination ability at low temperature in rice. J. Fac. Agric. Hokkaido Univ. 57(3):301-312, illus. Jan. 1974.
702. SASAKI, T. Studies on breeding for the germinability at low temperature of rice varieties adapted to direct sowing cultivation in flooded paddy field in cool region. (In Japanese) Rep. Hokkaido Prefect. Agric. Exp. Stn. 24:1-90, illus. Ref. Sept. 1974.
English summary.
703. SASTRY, M. V. S., and SEETHARAMAN, R. Genetical studies in rice-brittleness and easy-shelling habit. Curr. Sci. 43(24):795. Dec. 20, 1974.
704. SATAKE, T. Male sterility caused by cooling treatment at the young microspore stage in rice plants. IX. Revision of the classification and terminology of pollen developmental stages. Proc. Crop Sci. Soc. Japan 43(1):31-35, illus. Mar. 1974.
Japanese summary.
705. SATAKE, T., and HAYASE, H. Male sterility caused by cooling treatment at the young microspore stage in rice plants. X. A secondary sensitive stage at the beginning of meiosis. Proc. Crop Sci. Soc. Japan 43(1):36-39, illus. Mar. 1974.
Japanese summary.
706. SATO, H., and OMURA, T. Effects of chemical mutagens applied on early stages of embryonic development in rice. (In Japanese) Jap. J. Breed. 24(Suppl.2):34-35, illus. 1974.
707. SATO, K., SUZUKI, T., and GOTO, S. Change of rice quality and its factorial analysis. 2. Difference of varietal characteristics in change of rice character. (In Japanese) Tohoku Agric. Res. 15:156-157, illus. Apr. 1974.
708. SATO, K., SUZUKI, T., and GOTO, S. Studies on the high quality and yielding ability of rice varieties. 3. Factors and differences of varietal characteristic on the grouping of brown rice quality. (In Japanese) Bull. Yamagata Prefect. Agric. Exp. Stn. 8:1-10, illus. Mar. 1974.
709. SATO, S., KINOSHITA, T., and TAKAHASHI, M. Cytological observations on the 6th and the 7th linkage group in rice. (In Japanese) Jap. J. Breed. 24(Suppl.1):122-123, illus. 1974.
710. SATO, S., KINOSHITA, T., and TAKAHASHI, M. A experiment of genic analysis on the grain length in rice. (In Japanese) Jap. J. Breed. 24(Suppl.2):72-73, illus. 1974.
711. SATYANARAYANAIAH, K., and REDDI, M. V. Inheritance of resistance to insect gallmidge (*Pachytiplosis oryzae*, Wood Mason) in rice. Andhra Agric. J. 19(1/2):1-8, illus. Ref. Jan./Apr. 1972.
712. SAWADA, S. Minimal number of dehiscent anthers and pollen grains on the stigma required for fertilization in rice plants. (In Japanese) Jap. J. Breed. 24(Suppl.2):192-193, illus. 1974.
713. SAWADA, S., and TAKAHASHI, M. Variations in sterility in rice plants and sampling methods in a paddy field with cool water irrigation. Res. Bull. Obihiro Zootech. Univ. Ser I, 8(1):79-92, illus. July 1973.
Japanese summary.
714. SEETHARAMAN, R., SRIVASTAVA, D. P., and SINHA, M. K. Studies in rice genetic stock. Indian J. Genet. Plant Breed. 33(3):362-368, illus. Nov. 1973.
715. SEKIGUCHI, F., and TANAKA, S. Diploid-like mutants derived from haploid rice plants exposed to gamma rays. (In Japanese) Jap. J. Breed. 24(Suppl.2):44-45, illus. 1974.
716. SEKIGUCHI, S., and TANAKA, S. Effect of time of acute irradiation in haploid rice plants recovered after treatment by low temperature. (In Japanese) Jap. J. Breed. 24(Suppl.1):76-77, illus. 1974.
717. SEKIYAMA, F., and YAMAGATA, H. Studies on the organ specificity of peroxidase zymogram in rice plant. 4. Designation of peroxidase isoenzyme bands. (In Japanese) Jap. J. Breed. 24(Suppl.2):52-53, illus. 1974.
718. SHAHI, B. B. Present status of breeding for cold tolerance. (Paper Presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 7 p., tables.

719. SHAMA RAO, H. K. Biological effects of neutrons after post-irradiation storage or with gamma-ray and neutron combination treatments in rice. *Annu. Rep. Natl. Inst. Genet. [Japan]* 23:82-83. 1972, pub. 1973.
720. SHAMA RAO, H. K., FUJII, T., and KADA, T. Copper dependency of an induced dwarf rice mutant. *Annu. Rep. Natl. Inst. Genet. [Japan]* 23:80-81. 1972, pub. 1973.
721. SHAMA RAO, H. K., FUJII, T., and KADA, T. Copper requirement for callus induction in rice. *Plant Sci. Lett.* 2(3):177-183, illus. Mar. 1974.
722. SHAMA RAO, H. K. Differential effects of X-rays and alkylating agents in presoaked rice. *In Proc. Symp. on Radiations and Radiomimetic Substances in Mutation Breeding, 1969*, p.146-151, illus. Bombay, Dept. of Atomic Energy, 1970. Includes discussion.
723. SHAMA RAO, H. K., and KADA, T. Differential sensitivities of induced dwarf rice mutants to gibberellin, fast neutron and gamma radiations. *Radiat. Bot.* 14(2):153-157, illus. Ref. 1974.
724. SHAMA RAO, H. K., and NARAHARI, P. Modification of the efficiency of mutagens in rice seeds pre-soaked in water. *In Int. Symp. on Use of Isotopes and Radiation in Agriculture and Animal Husbandry Research, New Delhi, 1971*, p.88-102, illus. Ref.
725. SHAMA RAO, H. K., and KADA, T. Radiation and gibberellin effects in the induced dwarf rice mutants. *Annu. Rep. Natl. Inst. Genet. [Japan]* 23:81-82. 1972, pub. 1973.
726. SHARMA, D., and SAINI, S. S. Differential effect of radiation doses on induced quantitative variability for various characters in two varieties of rice. *In Proc. Symp. on Radiations and Radiomimetic Substances in Mutation Breeding, 1969*, p.338-349, illus. Ref. Bombay, Dept. of Atomic Energy, 1970. Includes discussion.
727. SHARMA, S. D., SUBBA RAO, G., and RAO, V. J. M. Cytology of *Oryza officinalis* (4n) x *O. latifolia*. *Curr. Sci.* 43(18):585-587, illus. Ref. Sept. 20, 1974.
728. SHILOVSKII, V. N. Perspektivy ispol'zovaniya nekotorykh metodov gibridizatsii risa. [A comparative study of methods of preliminary prognosis of heterosis in rice.] *Byul. Nauchno-Tekh. Inf. VNII Risa* 5:9-13, illus. 1971.
729. SHINBASHI, N., KINOSHITA, T., and TAKAHASHI, M. Gibberellin metabolism affected by the causal genes for 'Hosetsu-dwarf' and 'Tangimbozu-dwarf' in rice plant. (In Japanese) *Jap. J. Breed.* 24(Suppl.2):66-67, illus. 1974.
730. SHINJYO, C., NISHIME, R., and WATANABE, Y. Inheritance of fertility restoring gene *Rf_x* and *Rf* in male sterile cytoplasm derived from variety lead rice (preliminary report). (In Japanese) *Jap. J. Breed.* 24(Suppl.1):130-131, illus. 1974.
731. SHINJYO, C. Trisomic analysis of fertility restoring gene *Rf* in rice. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):126-127, illus. 1974.
732. SHINODA, H. Genetic variation induced under a severe environmental condition in rice plant. II. Genetic variation in early maturity of the variety, Kameji. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):68-69, illus. 1974.
733. SHINODA, H. Genetic variation induced under a severe environmental condition in rice plant. III. Genetic variation of extremely early maturity in a variety, Kusabue. (In Japanese) *Jap. J. Breed.* 24(Suppl.2):48-49, illus. 1974.
734. SIDDIQ, E. A. Cytogenetical effects of physical and chemical mutagens in rice. *Indian J. Genet. Plant Breed.* 33(2):162-171, illus. Ref. July 1973.
735. SIDDIQ, E. A. Mutation breeding in rice for resistance to diseases. *In Induced mutations for disease resistance in crop plants*, p.169. Vienna, International Atomic Energy Agency, 1974.
736. SIDDIQ, E. A., ISMAIL, M. A., and SWAMINATHAN, M. S. Studies on the enhancement of the frequency of induced mutations in rice. *In Proc. Symp. on Radiations and Radiomimetic Substances in Mutation Breeding, 1969*, p.274-284, illus. Ref. Bombay, Dept. of Atomic Energy, 1970.
737. SIGURBJÖRNSSON, B., and MICKE, A. Philosophy and accomplishments of mutation breeding. *In Polyploidy and induced mutations in plant breeding*, p.303-343, illus. Ref. Vienna, International Atomic Energy Agency, 1974.
738. SILVA, B. M. DA, and others. Melhoramento genetico do arroz no IPEAS - 1973/74. [Genetic improvement of rice in IPEAS - 1973/74.] *In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.3-9. M. D. Davis, J. Galli, A. L. Terres, E. P. Silveira, and R. E. Bertholdi, joint authors.
739. SINDHU, J. S. Correlation in paddy. *Indian J. Genet. Plant Breed.* 33(3):314-318, illus. Nov. 1973.
740. SINGH, C. B. Variation in quantitative characters in the F₂ population derived from unirradiated and irradiated hybrids of rice. *Indian J. Genet. Plant Breed.* 33(3):369-372, illus. Ref. Nov. 1973.

741. SIVASUBRAMANIAM, S., and MADHAVA MENON, P. Combining ability in rice. *Madras Agric. J.* 60(6):419-421, illus. June 1973.
742. SMETANIN, A. P., and VOLKOVA, N. P. Zavisimost' nustozerosti risa ot ponizhennykh temperatur perioda tsveteniya. [Dependence of spikelet sterility in rice on low temperatures during flowering.] *Tr. Vses. Nauchno Issled. Inst. Risa* 2:9-15. 1972.
743. SOKOLOV, P. M., and KASATKINA, N. N. Seleksiya risa. [Rice breeding.] *In: Osnovn. Resul't. Rab. Izmail'sk. Opyt. St. Dnepropetrovsk, Ukrainian SSR, 1970*, p.66-72, illus.
744. SREE RAMULU, K., and SREE RANGASAMY, S. R. Mutagenicity of some monofunctional alkylating agents in pearl millet and rice. *Z. Pflanzenzuecht.* 71(4):352-357, illus. Ref. 1974. German summary.
745. SREE RANGASAMY, S. R., and SREE RAMULU, K. Effect of X-irradiation on the size of the mutated sector in diploid and triploid rice. *Theor. Appl. Genet.* 44(6):266-269, illus. Ref. 1974.
746. SREEDHARAN, P. N., MISRA, R. N., and GHOSH, A. K. Induced twinning in rice. *Curr. Sci.* 43(11):352-353, illus. June 5, 1974.
747. SRINIVASULU, K., and BALAKRISHNA RAO, M. J. Breeding rice varieties for cold tolerance. III. Performance of cold tolerant cultures in early rabi and late kharif plantings. *Indian J. Agron.* 18(4):436-439, illus. Dec. 1973.
749. SWAMINATHAN, M. S. The role of mutation breeding in a changing agriculture. *In Proc. Symp. on Radiations and Radiomimetic Substances in Mutation Breeding, 1969*, p.427-441, illus. Ref. Bombay, Dept. of Atomic Energy, 1970.
749. TAKAHASHI, M., KINOSHITA, T., and TAKEDA, K. Genetical studies on rice plant. LVI. Character expression of some major genes in rice and their agronomic application. *J. Fac. Agric. Hokkaido Univ.* 57(3):275-292, illus. Ref. Jan. 1974.
750. TAKAHASHI, M., and KINOSHITA, T. Genetical studies on rice plant. LIX. Genic identification on the forms of the "tillering" dwarf rice. (In Japanese) *Res. Bull. Univ. Farm Fac. Agric. Hokkaido Univ.* 19:41-50, illus. Ref. Mar. 1974. English summary
751. TAKAHASHI, M., and KINOSHITA, T. Present status of rice linkage map. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):124-125, illus. 1974.
752. TAKAHASHI, N. Mechanisms of internode elongation in rice plants, - d_1 gene expression modified by controlled environments. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):48-49, illus. 1974.
753. TAKEDA, K., and TAKAHASHI, M. E. Genetic control on the internode elongation in rice plant. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):50-51, illus. 1974.
754. TAKEDA, K., NAKAYAMA, R., and SAITO, K. Influence of waxy character on the grain size in rice. (In Japanese) *Jap. J. Breed.* 24(Suppl.2):74-75, illus. 1974.
755. TAKEDA, K. Studies on the character expression and inheritance of dm-type internode distribution pattern in dwarf rice plants (preliminary report). (In Japanese) *Bull. Fac. Agric. Hirosaki Univ.* 22:19-30, illus. Ref. June 1974. English summary.
756. TALWAR, S. N., and others. Genetic parameters for quantitative characters in paddy (Oryza sativa L.). *Mysore J. Agric. Sci.* 8(4):524-528, illus. Ref. 1974. C. V. Dhulappanavar, K. G. Hiremath, and J. V. Goud, joint authors.
757. TENG, Y. C., and HSU, T. H. Studies on the hybrid vigor of rice. III. The responses in grain yield components of F2 populations and varieties under four different growing conditions. (In Chinese) *J. Taiwan Agric. Res.* 23(1):1-8, illus. Ref. Mar. 1974. English summary.
758. THAILAND. DEPT. OF AGRICULTURE. RICE DIVISION. Breeding improved rice varieties for deep water tolerance in Thailand. 10 p., illus. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974)
759. THAKUR, R. Notch expression in rice kernels. *Curr. Sci.* 43(17):553-554, illus. Sept. 5, 1974.
760. TOKUMASU, S., and IZUMI, G. Chlorophyll deficient plants occurring in the progeny of matroclinous plants obtained from the cross between Brassica japonica x Raphanus sativus. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):56-57, illus. 1974.
761. TRIPATHI, R. S., and others. Estimates of variation and heritability of some quantitative characters in rice. *Indian J. Agric. Sci.* 43(7):693-696, illus. Ref. July 1973. K. B. Agrawal, A. W. Khan, and C. S. Dubey, joint authors.

762. UPADHYAY, A. R., and VERMA, M. L. Production of blast resistant mutants in rice by radiation. *JNKVV (Jawaharlal Nehru Krishi Vishwa Vidyalaya) Res. J.* 7(4):280-281, illus. Oct. 1973.
763. VAIDYANATH, K., RAJU, K. K., and REDDY, G. M. Free amino acid pattern and species relationship in genus *Oryza*. *Theor. Appl. Genet.* 45(2):72-76, illus. Ref. 1974.
764. VAIRAVAN, S., and SIDDIQ, E. A. Cytogenetic studies on hybrids between rice varieties from north east Himalayas and TKM-6, a typical *indica* variety. *Indian J. Genet. Plant Breed.* 33(3):355-361, illus. Ref. Nov. 1973.
765. VALLEJO, J. Avances en mejoramiento varietal 1973. [Advances in varietal improvement, 1973.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional De Arroz, 1974, p.6-10, illus.
766. VELASQUEZ, S., ARRIOLA, P., and KAWANO, K. Evaluación de variedades de arroz de diferente tipo de planta en Lambayeque, 1969-70. [Evaluation of rice varieties of different plant type in Lambayeque.] *Inf. Tec. Programa Nac. Arroz Peru* 45:4, 6 p., illus. 1971.
767. VERESHCHAGIN, G. A. Izmenchivost' rastenii risa v pervom pokolenii posle obrabotki mutagenami. [Variability of rice plants in the first generation after treatment with mutagens.] *Byull. Vses. Ord. Lenina Inst. Rast. N.I. Vavilova* 37:33-38. 1974.
768. VIJENDRA DAS, L. D., and SREE RANGASAMY, S. R. Embryological studies in the sterile interspecific hybrid of rice between *O. sativa* (autotetraploid) and *O. perennis* (diploid). *Sci. Cult.* 40(6):253-254, illus. June 1974.
769. VILAWAN, S., and SIDDIQ, E. A. Anatomical characteristics of induced mutants of rice. *Indian J. Genet. Plant Breed.* 33(2):137-141, illus. July 1973.
770. VILAWAN, S., and others. Cytogenetics of induced semisterile mutants of rice variety Taichung (Native) 1. *Indian J. Genet. Plant Breed.* 33(3):380-388, illus. Ref. Nov. 1973.
E. A. Siddiq, K. Falanichamy, and V. P. Singh, joint authors.
771. VIRMANI, S. S., and ATHWAL, D. S. Inheritance of floral characteristics influencing outcrossing in rice. *Crop Sci.* 14(3):350-353, illus. Ref. May/June 1974.
772. WANG, C. C., SUN, C. S., and CHU, Z. C. On the conditions for the induction of rice pollen plantlets and certain factors affecting the frequency of induction. (In Chinese) *Acta Bot. Sin.* 16(1):43-54, illus. Ref. Mar. 1974.
English summary.
773. WATANABE, S. Studies on breeding of rice varieties resistant to bacterial leaf blight disease in Ceylon. 4. Effect of different disease conditions on varietal resistance. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):184-185, illus. 1974.
774. WATANABE, T., OKABE, S., and SUZUKI, S. Studies on the evaluation of parents in rice breeding. II. Relationship of mean and variance in F_2 generation with combining ability from diallel analysis. (In Japanese) *Jap. J. Breed.* 24 (Suppl.2):4-5, illus. 1974.
775. WATANABE, Y. Meiotic chromosome behaviours of auto-pentaploid rice plant derived from anther culture. *Cytologia* 39(2):283-288, illus. Ref. June 1974.
776. WEERAPAT, P., and YANTASAST, A. Hybridization and selection of progenies. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.37-47. Bangkok, 1974.
English summary.
777. WELLS, B. R. Rice fertility investigation. *Rice J.* 77(7):28. July 1974.
In Arkansas.
778. WILLIAMS, L. Thailand: current and potential crops; an evaluation of germplasm requirements. Washington, D. C., U.S. Agency for International Development, Jan. 1974. 340 p., illus. Ref.
Includes rice.
779. WISUDHAROMN, S., and WEERAPAT, P. Inheritance of grain yield and its components in two crosses of rice (*Oryza sativa* L.). (In Thai) *Kasetsart J.* 8(2):78-81, illus. July/Dec. 1974.
English summary.
780. WOO, S. C., and NG, C. M. Preliminary results of blast resistance test for mutant TP309-EMS-1. In Induced mutations for disease resistance in crop plants, p.173. Vienna, International Atomic Energy Agency, 1974.
781. WOO, S. C., WU, W. H., and TUNG, I. J. Two semidwarfness genes induced from *Japonica* rice, *Chiamung 242* and *Tainan 5*. *Bot. Bull. Acad. Sin.* 15(1):54-56, illus. Jan. 1974.
Chinese summary.

782. YABUNO, T. Cytoplasmic effect on the anther dehiscence in successive backcrosses in the substitution line of *Oryza sativa* (Akebono) x *O. glaberrima* (WO440). (In Japanese) Jap. J. Breed. 24(Suppl.1):132-133, illus. 1974.
783. YAGI, T., and SAMOTO, S. Studies on the lodging resistance in rice varieties. (In Japanese) Jap. J. Breed. 24 (Suppl.1):172-173, illus. 1974.
784. YAMAGATA, H., and IKEDA, R. Gene-analysis on the heading period of mutant rice strains induced by γ -radiation. (In Japanese) Proc. Kinki Symp. Crop Sci. Plant Breed. Soc. 19:12-15, illus. Ref. Mar. 1974.
785. YAMAGUCHI, H., and TATARA, A. Chromosome cycle and mutations induced by 5-bromodeoxyuridine. (In Japanese) Jap. J. Breed. 24(Suppl.2):28-29, illus. 1974.
786. YAMAGUCHI, H. The effects of X-ray irradiation on differentiation and growth of rice plants at the reproductive stage. (In Japanese) Jap. J. Breed. 24(3):133-140, illus. June 1974.
English summary.
787. YAMAGUCHI, H. Mutations with gamma irradiation on dormant seeds of a partially asynaptic strain in rice. Jap. J. Genet. 49(2):81-85, illus. Ref. Apr. 1974.
788. YAMAGUCHI, H. The production of mutations by ionizing radiations and chemical agents in relation to the duplication of chromosomes. Gamma Field Symp. 11:29-42, illus. Ref. 1972.
Japanese summary.
Rice and barley.
789. YOKOO, M., KIKUCHI, F., and KAWAI, M. Preliminary test for blast resistance in a cross "Koshihikari x glutinous upland Norin 4" of rice. (In Japanese) Jap. J. Breed. 24(Suppl.2):146-147, illus. 1974.

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790. ALIX, J. C., and OCAMPO, V. M. A review of the performance of major rice varieties in selected provinces in the Philippines: implications. I-II. Agric. Econ. Stat. Mark. News Dig. [Philippines] 7(32):7 p.; (33):2 p., illus. Aug. 8, 1973-Aug. 15, 1973.
791. AMAMIYA, A. Geographical distribution of cold resistance and the pattern of soluble proteins in rice. (In Japanese) Proc. Crop Sci. Soc. Japan 40(Extra Issue 1):209-210, illus. 1971.
792. ARAFUNE, T. A point on selection of description of rice. (In Japanese) Farming Mech. 2674:17-20, illus. Mar. 1974.
793. ARASHI, K. Circumstance of appearance of rice variety "Shinriki" and some details on its original variety "Hodoyoshi". (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 41:9-10, illus. July 1974.
794. BALLESTEROS, R. La variedad Bluebelle. [Variety Bluebelle.] Arroz [Spain] 14(49):16. Jan. 1974.
795. BOEREMA, E. B., MCDONALD, D. J., and LEWIN, L. G. Baru, a new rice variety for New South Wales, Australia. SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J. 6(1):93-94. Mar. 1974.
796. BOLLICH, C. N., and others. New high-yield medium-grain variety released in Texas; Brazos rice (CI 9375). Rice J. 77(3):22-27, illus. Mar. 1974.
J. E. Scott, B. D. Webb, and J. G. Atkins, joint authors.
797. BOLLICH, C. N., and others. Texas station releases new long-grain variety: Lebonnet rice (CI 9882). Rice J. 77(4):16-21, illus. Apr. 1974.
B. D. Webb, J. E. Scott, and J. G. Atkins, joint authors.
798. BONNET 73: new rice performs well in Arkansas tests. Rice J. 77(2):22. Feb. 1974.
799. CARNAHAN, H. L., MASTENBROEK, J. J., and TSENG, S. T. California releases new short-grain variety. Rice J. 77(7):34. July 1974.
800. CHANG, W. L., CHEN, C. H., and CHAO, C. N. Adaptability of some newly developed lines of long-grain indica rice. (In Chinese) Taiwan Agric. Q. 10(1):43-82, illus. Mar. 1974.
English summary.
801. CHEN, C. Y. Analysis on the stability of Taiwan native Indica varieties under different cultural condition. (In Chinese) J. Agric. Assoc. China 85:31-35, illus. Mar. 1974.
English summary.

802. CHOI, H. O., and others. A new short-statured rice variety "Tongil". (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):1-12, illus., map. Aug. 1974.
S. H. Bae, G. S. Chung, C. Y. Cho, M. H. Heu, and H. M. Beachell, joint authors.
English summary.
803. CO. 37 - a new rice variety for Tamil Nadu. Farm Fact. 8(5):6. Mar. 1974.
804. COSTA, S. P., and others. Coleção de cultivares de arroz. [Collection of rice cultivars.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.27-29, illus.
J. A. Zanini Neto, D. Potker, E. Mondardo, and V. I. Conceição, joint authors.
805. COSTA, S. P., and others. Resultados da pesquisa regional de competição de cultivares de arroz irrigado, em Santa Catarina - 1970/74. [Results of regional investigation on competition of irrigated rice cultivars in Santa Catarina - 1970/74.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.22-26, illus.
J. A. Zanini Neto, D. Potker, E. Mondardo, and V. I. Conceição, joint authors.
806. CRUZ, O., and others. Ensaio regional de variedades e linhagens de arroz. [Regional trial of rice varieties and strains.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.51-56, illus.
P. Estrella, P. S. Carmona, J. Galli, A. L. S. Terres, J. C. Leal, P. R. F. da Silva, and H. A. Gomez, joint authors.
807. DOURNES, J. Chi-che, la botanique des Sre. [Chi-che, the botany of the Sre.] J. Agric. Trop. Bot. Appl. 20(1/12):1-189, illus. Jan./Dec. 1973.
Rice varieties, p.22-24.
808. ESCURO, P. B. Breakthroughs in crop varieties. In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.1-4, illus.
809. FAULK, W. C., and STEFANSKI, H. 1973 Northeast Louisiana rice research. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:231-233, illus. 1973.
Variety yield tests.
810. FUCHS, A. Biometrische Untersuchungen an normalwuchsigen und Halbzwergearten des Reises (*Oryza sativa* L.). [Biometric investigations on tall and semidwarf varieties of rice (*Oryza sativa* L.). I-II. Beitr. Trop. Landwirtschaft. Vetmed. 11(4):337-346; 347-353, illus. 1973.
Russian, English, French and Spanish summaries.
I. Correlations between the characters influencing the yield; II. The ecovalence of the varieties.
811. GALLI, J., and others. Ensaio comparativos de cultivares de arroz, no IPEAS, em 1973/74. [Comparative trials of rice cultivars in IPEAS, 1973/74.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.10-17, illus.
A. L. Terres, M. D. Davis, B. M. da Silveira, E. P. Silveira, and R. E. Bertholdi, joint authors.
812. GUPTA, S. S., and others. A study on the high yielding varieties of rice in Andhra Pradesh. Agric. Situat. India 28(1):17-21, illus. Apr. 1973.
A. K. Banerjee, P. C. Mehrotra, and M. Rajagopalan, joint authors.
813. HABETZ, R. 1974 Northeast Louisiana rice research. Annu. Prog. Rep. La. Rice Exp. Stn. 66th:189-191, illus. 1974.
Varietal yield test.
814. HAMAMURA, I. New rice varieties in Thailand, RD4 and RD5. (In Japanese) Jap. J. Breed. 24(1):53-54. Feb. 1974.
815. HARADA, K., CHIKURA, S., and MATUNAGA, Y. On the varieties of rice plant for late-season culture by transplanter. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 41:3-5, illus. July 1974.
816. HATAKEYAMA, T., and others. On the new variety of paddy rice "Kagahikari". (In Japanese) Bull. Ishikawa-ken Agric. Exp. Stn. 8:37-48, illus. Ref. July 1974.
Y. Kawauchi, S. Tabuchi, N. Matsumoto, Y. Hashimoto, K. Tabuchi, and M. Nishio, joint authors.
English summary.
817. HUTCHINSON, J. B. Evolutionary studies in world crops. London, Cambridge University Press, 1974. 175 p., illus.
Rice, by S. V. S. Shastry, and S. D. Sharma, p.55-61.
818. IMAI, T. Studies on the characteristics of japonica and indica rice varieties. (In Japanese) Tokyo, Tropical Agriculture Research Center, 1971. 47 p., illus.
819. IRRI names new variety. Rice J. 77(2):14, 22, illus. Feb. 1974.
820. ISAAC, E. Geography of domestication. New Jersey, Prentice-Hall, 1970. 132 p., illus.
Rice, p.65-66.

821. ITO, R., and others. On the new rice variety "Nihonmasari". (In Japanese) *J. Cent. Agric. Exp. Stn.* 21:79-91, illus. Sept. 1974.
K. Kushibuchi, H. Ikehashi, A. Nakane, T. Higashi, and S. Taniguchi, joint authors.
English summary.
822. JAPAN. FOOD AGENCY. Rice varieties which appeared in the market, 1971. (In Japanese) Tokyo, 1972. 170 p., illus.
823. JAPAN. FOOD AGENCY. Rice varieties which appeared in the market, 1972. (In Japanese) Tokyo, 1973. 106 p., illus.
824. KATAYAMA, T. C., and KURODA, T. Distributions and some morphological characters of the wild rice in the Ganga Plains. II. In Watabe, T. Origin and alteration of cultivated rice in the Indian sub-continent, vol. 2, p.19-70, illus. Japan, Tottori University, 1974.
825. KHAMBANONDA, P., and CHOMBHUBOL, M. Promising line-fertilizer trial. (In Thai) *In Thailand*. Rice Dept. Annual research report, 1971, p.96-108, illus. Bangkok, 1974.
English summary.
826. KHAN, E. J. A., and others. Preliminary report on the results of the International Rice Adaptation Experiments, 1972. Special Committee for Rice Adaptation, IBP/UM/Gene Pools, Mar. 1974. 21 p.
S. Y. Padmanabhan, T. Matsuo, S. C. Hsieh, M. G. El-Hak, and C. R. Adair, joint authors.
827. KHOT, B. D. Studies in the field performance of Satya, Soorya and Suhasini, the three new rice hybrids. *Res. J. Mahatma Phule Agric. Univ.* 4(2):127-135, illus. 1973.
828. LATEST IRRI rice shows resistance to pests and diseases. *World Crops* 26(1):23. Jan./Feb. 1974.
IR26.
829. LOPEZ CAMPOS G. Promoción del arroz "largo". [Promotion of long-grained rice.] *Arroz [Spain]* 14(49):6-7, illus. Jan. 1974.
830. LYAKHOVKIN, A. G., and others. Izuchenie ustoiichivosti kollektsonnykh sortov risa k pirikulyariozu. [Studies on the resistance of rice samples from the collection to blast disease.] *Tr. Prikl. Bot. Genet. Sel.* 51(1):219-224, illus. 1973.
M. A. Kuznetsova, A. P. Smetanin and V. P. Luk'yanchikov, joint authors.
English summary.
831. MCILRATH, W. O. Variety tests. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:13-23, illus. 1973.
832. MCILRATH, W. O., JODON, N. E., and TRAHAN, G. J. Variety tests. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:13-28, illus. 1974.
833. MAGNE, C., and others. Additif au catalogue des variétés de riz cultivées au Senegal. [Addition to the catalogue of rice varieties cultivated in Senegal.] *Senegal, I. R. A. T.*, Mar. 1974. 5 f.
J. P. Aubin, F. Gracien, and G. Delafond, joint authors.
834. MAHADEVAPPA, M. Madhu, a fine-grained rice for Karnataka. *Indian Farming* 24(2):11. May 1974.
835. MAHADEVAPPA, M. MR-272 - a new semi-dwarf rice variety that can replace Halubbulu, Ch. 2, Ch. 45 and S. 705. *Curr. Res.* 2(10):79-80. 1973.
836. MELACHRINOS A., and MELACHRINOS, F. Linii noi de orez. [New rice lines.] *An. Inst. Cercet. Cereale Plante Teh-Fundulea Ser. C* 39:87-95, illus. 1971, pub. 1973.
Russian and English summaries.
837. MELIKOV, M. Promising rice varieties for the Lenkoran zone. (In Azerbaijan) *Azerb. Elmitedgitat Ekincil. Inst. Eserleri* 13:84-85, illus. 1966.
838. MIMOTO, H., KUDO T., and TANABE, K. New paddy rice variety, Wase-toramochi bred at Aomori Agricultural Experiment Station. (In Japanese) *Nogyo Gijutsu* 29(9):411-412, illus. Sept. 1974.
839. MIYAJIMA, Y., and TAKAHASHI, N. Rice variety, "Tokon" produced in Nagano Prefecture. (In Japanese) *Nogyo Gijutsu* 29(10):453-455, illus. Oct. 1974.
840. MORITANI, M. Paddy rice varieties and the situation in 1973. (In Japanese) *Nogyo Gijutsu* 29(3):97-99, illus. Mar. 1974.
841. MORIYAMA, Y., and others. Report on recommendable new varieties of paddy rice plant "Tachikaze" and "Kurenaimochi" in Fukuoka Prefecture. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 12:1-6, illus. Aug. 1974.
H. Manabe, H. Ide, S. Chikura, S. Tanaka, M. Komiya, and M. Takeya, joint authors.
842. MORIYAMA, Y., and others. Report on recommendable new variety of paddy rice plant "Asominori" in Fukuoka Prefecture. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 11:5-8, illus. Aug. 1973.
H. Manabe, H. Ide, S. Chikura, S. Tanaka, and M. Takeya, joint authors.

843. MURALEEDHARAN NAIR, V., and GEORGE, C. M. Studies on the comparative performance of three short duration rice varieties (Vellayani-1, ADT. 27 and PTB. 10) at varying levels of nitrogen under semi-dry conditions in Vellayani. *Agric. Res. J. Kerala* 11(1):5-8, illus. Mar. 1973.
844. NUEVA variedad de arroz IR.26. [New rice variety IR.26.] *Arroz [Peru]* 8(42):8, illus. Feb./Apr. 1974.
845. OKA, H. I. Experimental studies on the origin of cultivated rice. *Genetics* 78(1):475-486, illus. Ref. Sept. 1974.
846. OKA, H. I. A short history of the first hybrid semidwarf rice variety, Taichung native 1. *SABRAO (Soc. Adv. Breed. Res. Asia Oceania)* J. 6(2):241-243. Sept. 1974.
847. OMURA, K., and others. On the new paddy rice variety "Shimaneishike". (In Japanese) *Bull. Shimane Agric. Exp. Stn.* 12:1-10, illus. Dec. 1974.
M. Kanda, K. Yokoi, S. Ito, S. Kitayama, S. Takami, N. Omoso, H. Nitta, and Y. Nako, joint authors.
English summary.
848. OMWATUM, G. W. O. Performance of some introduced and local rice varieties under paddy and rainfed conditions in Uganda. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 9 p., tables, graphs. Ref.
849. PADMANABHAN, S. Y. Deep water rices in India and their improvement. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 9 p.
850. PANKAR, S. N., and MUNE GOWDA, M. K. The story of dwarf rice. *Farm J. [India]* 15(7):14-17, illus. Ref. May 1974.
851. PEDROSO, B. A., CARMONA, P. S., and SILVA, N. B. DA. Ensaio de rendimento. [Yield trials.] *In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.38-45, illus.
852. PEDROSO, B. A. Novas variedades americanas de arroz. [New American varieties of rice.] *Lav. Arroz.* 27(279):16-17, illus. May/June 1974.
Labelle, Bonnet 73, Nortai and Vista.
853. PEREZ, A. T., and NASIRUDDIN, M. Field notes on the Rayada: a flood tolerant floating rice of Bangladesh. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 6 p., illus.
854. PEREZ PONCE, J., and ORELLANA PEREZ, P. Comportamiento de las variedades de arroz (*Oryza sativa* Lin.); CICA-4, IR8, IR22, IR24, IR880 y Blue Bonnet, en Cuba. [Behavior of varieties of rice (*Oryza sativa* Lin.); CICA-4, IR8, IR22, IR24, IR880 and Blue Bonnet, in Cuba.] *CENTRO Ser. Agric. Num. Extraord.*, 42 p., illus. Ref. June 1974.
855. PRECHACHART, C., and JACKSON, B. R. Floating and deep water rice in Thailand. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 14 p., illus., map.
856. ROSERO, M. J. Descripción de la nueva variedad de arroz, CICA 6. [Description of the new rice variety, CICA 6] *In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974*, p.49-51.
Includes discussion.
857. ROSERO, M. J., and others. Otra variedad enana de arroz: CICA 6. [Another dwarf variety of rice: CICA 6.] Bogota, Instituto Colombiano Agropecuario, 1974. 4 p., illus.
J. Vallejo, E. Garcia, C. P. Martinez, and Y. Ottavo, joint authors.
858. QURESHI, M. This rice variety does not need much fertilizer. *Mod. Agric. Ind.* 2(10):8,39. Oct. 1974.
Variety C-168.
859. SAMOTO, S., and others. Explanation of new varieties of upland and lowland rice and potato in 1974. (In Japanese) *Nogyo Gijutsu* 29(10):455-463, illus. Oct. 1974.
T. Morimoto, H. Nishiyama, H. Uchiyama, Y. Nilmura, A. Todoroki, S. Ono, and K. Asama, joint authors.
860. SAMPATH, S. Origins of cultivated rices. *Indian J. Genet. Plant Breed.* 33(2):157-161, illus. Ref. July 1973.
861. SANO, T. On the paddy rice varieties in Miyagi Prefecture. (In Japanese) *Tech. Bull. Miyagi Prefect. Agric. Exp. Stn.* 42:1-21, illus. Ref. 1971.
862. SEN, S. A richer harvest; new horizons for developing countries. New York, Orbis Books, 1974. 573 p.
Includes Miracle rice and other dwarf varieties.
863. SHARMA S. C., and RAY, N. Germination and thriving ability of a few rice varieties in highly affected saline-alkali soil. *Agric. Agro-Ind. J.* 7(3):24-26, illus. Mar. 1974.

864. SHARMA, S. D., and SHASTRY, S. V. S. Evolution in genus *Oryza*. In *Advancing Frontiers in Cytogenetics*; proc. of a National Seminar, 1972, p.5-20, illus. Ref. Delhi, Hindustan Pub. Corp., 1974.
865. SILVA, H., VARGAS, J., and ARAMENDIZ, H. Comportamiento de 24 líneas promisorias en secano en comparación a CICA 4. [Behaviour of 24 promising upland lines in comparison with CICA 4.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunión anual del Programa Nacional de Arroz*, 1974, p.11-13, illus.
866. SILVA, P. D. DA. Novas variedades norte-Americanas de arroz. [New North-American varieties of rice.] *Lav. Arroz*. 27(281):33-35, illus. Sept./Oct. 1974.
867. SILVA S., H., VARGAS, J., and ARAMENDIZ, H. Comportamiento de variedades mejoradas y nativas en condiciones de secano. [Behaviour of minor and native varieties in upland conditions.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunión anual del Programa Nacional de Arroz*, 1974, p.19-21, illus. Includes discussion.
868. SINHA, T. S., and DUTT, S. K. Salt-resistant 'Damodar' outyields 'Jaya' and 'IR 8'. *Indian Farming* 24(1):19. Apr. 1974.
869. SIVASUBRAMANIAN, S., and RAMAKRISHNAN, V. Use of phenol colour reaction for identification of rice varieties. *Exp. Agric.* 10(4):299-303, illus. Ref. Oct. 1974.
870. SRINIVASULU, K., and BALAKRISHNA RAO, M. J. Cold-tolerant rice varieties do well. *Indian Farming* 24(6):13-14, 16, illus. Aug. 1974. Kalinga-1 and Kalinga-2.
871. TANIGUCHI, S. Experimental methods in the International Rice Adaptation Experiment. (In Japanese) *Jap. J. Breed.* 24(Suppl.2):214-215, illus. 1974.
872. TARASOVA, L. Novye sorta risa. [New rice varieties.] *Zemledelie* 11:70, illus. 1973.
873. TREISTMAN, J. M. The early cultures of Szechwan and Yunnan. Ithaca, N. Y., China-Japan Program, Cornell Univ., Feb. 1974. 89 p., illus. Ref. (Cornell Univ. East Asia Paper 3) Includes origin of rice in China.
874. TSUNODA, K., and others. A new rice variety "Mutsuhonami". (In Japanese) *Bull. Aomori Agric. Exp. Stn.* 19:1-16, illus. Mar. 1974. K. Kushibuchi, H. Sato, K. Fujimura, T. Kanazawa, T. Nakahori, Z. Oyamada, T. Takemura, N. Nakagawa, M. Namioka, R. Sato, and M. Takadate, joint authors. English summary.
875. TYAGI, R. C., and GUPTA, H. S. Jaya--for higher dividends. *Agric. Agro-Ind. J.* 6(3):41-43, illus. Mar. 1973. Rice variety, India.
876. VAIGAI: a new rice variety. *Intensive Agric.* 12(2):14. Apr. 1974.
877. VARIEDAD Naylamp: mesa redonda discute su cultivo en Piura. [Variety Naylamp: round table discussion on its cultivation in Piura.] *Arroz [Peru]* 7(40):6-7. Oct./Nov. 1973.
878. VERGARA U., R. Resultados de evaluaciones de variedades en el valle del Jequetepeque. [Results of evaluations of varieties in the Jequetepeque Valley.] *Inf. Tec. Programa Nac. Arroz Peru* 50:8 p., illus. 1971.
879. VIETNAM. DIRECTORATE OF AGRICULTURAL ECONOMICS. Rice in Vietnam: rice varieties and measurement units. (In Vietnamese) Saigon, 1974. 100 p., illus.
880. WATABE, T. Origin and alteration of cultivated rice in the Indian sub-continent. Vol.2. Japan, Tottori University, 1974. 88 p., illus.
881. WHYTE, R. O. An environmental interpretation of the origin of Asian cereals. (Paper presented at the Second SABRAO Congress, I.A.R.I., New Delhi, 1973) 11 p. Ref. Includes *Oryza*.
882. YAMAMOTO, Y., OSUMI, K., and MKAMI, K. A new paddy rice variety "Biwaminori". (In Japanese) *Bull. Shiga Prefect. Agric. Exp. Stn.* 15:1-7, illus. Mar. 1973. English summary.
883. YORSAENGRAT, A., and NAKATAT, S. Regional trial. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.30-36, illus. Bangkok, 1974. English summary.

884. YORSAENGRAT, A., and NAKATAT S. Variety-fertilizer regional trial. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.88-95, illus. Bangkok, 1974.
English summary.
885. YU, C. Y., YEH, T. T., and HUANG, S. W. Report on comparative yield trial of promising lowland rice varieties in Haiti. (In Chinese) Int. Tech. Coop. Bull. 113:19-23, illus. July 1974.
886. YU, T. Y., YEH, T. T., and HUANG, T. H. Report on comparative yield trial of superior lowland rice varieties. II. (In Chinese) Int. Tech. Coop. Bull. 115:16-20, illus. Oct. 1974.
887. ZAMAN, S. M. H. Suitability of high yielding rice varieties under rainfed condition of Bangladesh. In Pap. Workshop on Massive Production of HYV Rice under Rainfed Condition in Bangladesh, 1974, p.77-106, illus. Dacca, Bangladesh Rice Research Institute, 1974.

RICE GROWING

AGRICULTURAL METEOROLOGY, CLIMATIC INFLUENCES, AND CROP WEATHER RELATIONS

888. ABE, I., and ONO, K. Studies on forecast of cool weather damage of rice growth in Aomori Prefecture. 4. Distribution of rice yield in 1971 on the basis of the relationship between the rice growth and measure for forecasting cool weather damage. (In Japanese) J. Agric. Meteorol. 30(3):117-121, illus. Dec. 1974.
English summary.
889. ABERIN, E. A. Effective rainfall calculation for lowland rice in the Philippines. College, Laguna, 1974. 75 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
890. ABRUÑA, F., and LOZADO, J. Effect of season of the year on yields of 13 varieties of rice growing in the humid region of Puerto Rico. J. Agric. Univ. Puerto Rico 59(1):11-17, illus. Jan. 1974.
Spanish summary.
891. AGRICULTURAL meteorology of Japan. Tokyo, University of Tokyo Press, 1974. 215 p., illus. Ref.
892. ASANO, K., NAKAJO, H., and YOSHIDA, S. Effect of diurnal range of temperature on growth of rice plant. (In Japanese) Proc. Kinki Symp. Crop Sci. Plant Breed. Soc. 19:40. Mar. 1974.
893. BARANY, I. Contribution to the climatological study of rice-growing in the region of Szeged. Acta Climatol. 10(1/4):57-68, illus. Ref. 1971.
German summary.
894. BHARGAVA, P. N., PRADHAN, A., and DAS, M. N. Influence of rainfall on crop production. JNKVV (Jawaharlal Nehru Krishi Vishwa Vidyalaya) Res. J. 8(1):22-29, illus. Jan. 1974.
895. BOEREMA, E. B. Climatic effects on growth and yield of rice in the Murrumbidgee Valley of New South Wales - Australia. Riso 23(4):385-397, illus. Ref. Dec. 1974.
Italian summary.
896. CHAMURA, S., and HOMMA, T. The occurrence of unfertilized grains, rice screenings and degenerating spikelets in rice plant by the injury of strong wind and heavy nitrogen application. (In Japanese) Hokuriku Crop Sci. 8:31-32, illus. 1973, pub. Mar. 1974.
897. DASTANE, N. G. Effective rainfall in irrigated agriculture. Rome, FAO, 1974. 62 p., illus. Ref. (Irrig. Drain. Pap. 25)
Includes rice.
898. FATHAN, M., and OLDEMAN, L. R. The influence of climate on the growth and yield of rice. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.21-31, illus. Jakarta, 1974.
899. FRANCIS, P. Effect of some climatic factors on production and quality of rice in Malawi. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 8 p., tables.

900. HASEGAWA, S., and OKUDA, A. Agroclimatological studies on C₃-plants and C₄-plants. 1. The distribution of cultivated area of C₃-crops. (In Japanese) *J. Agric. Meteorol.* 30(2):63-69, illus. Ref. Sept. 1974.
English summary.
901. INTERNATIONAL RICE RESEARCH INSTITUTE. An agro-climatic classification for evaluating cropping systems potentials in Southeast Asian rice growing regions. Los Baños, Laguna, 1974. 10 p., illus., maps. Ref.
902. KOMIYA, S. On the characteristic climate and its influence on the crop production in 1971. (In Japanese) *Bull. Fac. Agric. Meiji Univ.* 29:105-136, illus. Ref. Nov. 1972.
English summary.
Includes rice production.
903. KUSHIBUCHI, K., and others. Practical studies on cool-weather injuries in rice plant. 41. Low temperature injury in young rice seedling stage. (In Japanese) *Tohoku Agric. Res.* 15:88-91, illus. Apr. 1974.
J. Wada, T. Kanazawa, M. Namioka, and K. Tsunoda, joint authors.
904. LANG, A. R. G., EVANS, G. N., and HO, P. Y. The influence of local advection on evapotranspiration from irrigated rice in a semi-arid region. *Agric. Meteorol.* 13(1):5-13, illus. Ref. Jan. 1974.
905. MIYABE, K., TANAKA, G., and FUJIWARA, H. Studies on the growth of rice plants and the climatic condition in the effect of "Yamase" winds. (In Japanese) *Bull. Iwate-ken Agric. Exp. Stn.* 17:1-24, illus. Ref. Mar. 1973.
906. MOTA, F. S. DA. Influência das condições meteorológicas e da tecnologia sobre o rendimento do arroz, no Município de Pelotas-RS (nota previa). [Influence of meteorological conditions and of technology on rice yield in Pelotas-RS (previous note).] *In An. IV Reunião Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.88-91, illus.*
907. NAKAMURA, R., and others. Low temperature injury of rice plants in northern part of Iwate Prefecture in 1971. (In Japanese) *Tohoku Agric. Res.* 15:84-87, illus. Apr. 1974.
A. Chiba, T. Sasaki, and S. Fujimura, joint authors.
908. OHTAKI, E., and SEO, T. Measurement of gradient of carbon dioxide and estimation of its flux over a paddy field. 2. Observation at Hachihama in 1969. *Ber. Ohara Inst. Landwirt. Biol. Okayama Univ.* 16(2):65-77, illus. Ref. Mar. 1974.
909. OTA, T., and EBATA, M. Effect of temperature on ripening and quality of rice. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 59:39-43, illus. Mar. 1974.
910. PARAO, F. T., and YOSHIDA, S. Climatic influence on yield and yield components of an early maturing rice variety. *In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.21-26, illus. Ref.*
911. RUSSO, S. Note sul clima di Vercelli con riferimento agli effetti sulla campagna risicola 1973. [The climate of Vercelli and its influence on the rice cultivation in the year 1973.] *Riso* 23(1):91-111, illus. Mar. 1974.
English summary.
912. SEO, T., and OHTAKI, E. Atmospheric flux of carbon dioxide over paddy fields estimated by heat balance approach. *Ber. Ohara Inst. Landwirt. Biol. Okayama Univ.* 16(2):79-92, illus. Ref. Mar. 1974.
913. SREEDHARAN, C., VAMADEVAN, V. K., and SURIYA RAO, A. V. Influence of meteorological elements on rice growth and production. *Idojaras* 77(4):232-239, illus. Ref. July/Aug. 1973.
914. TAKAYA, Y., KYUMA, K., and KAWAGUCHI, K. Rice cultivation and its environmental conditions in the Mediterranean countries. I. Climate and physiography in relation to rice cultivation. *Soil Sci. Plant Nutr.* 20(3):209-223, illus., maps. Ref. Sept. 1974.
915. TAKEDA, T., and MATSUMOTO, K. Studies on the locality of rice plant growing behaviour and building for series of technique. 1-2. (In Japanese) *Bull. Fukushima Prefect. Agric. Exp. Stn.* 13:23-34; 35-56, illus. Ref. Mar. 1974.
1. On the climate productivity in the basin and the high altitude cool region; 2. On the locality of rice plant growing behaviour in the field and building for series of technique.
916. UCHIJIMA, T., and ISHIGURO, T. Studies on the geographical distribution of agroclimatic indexes in Hokkaido. 1. Relation between the regional differences of annual yield variation of crops and air temperature. (In Japanese) *J. Agric. Meteorol.* 30(3):123-129, illus. Ref. Dec. 1974.
English summary.
917. VAN, T. K. The effects of climate on rice yields in Malaysia. *Malays. Agric. J.* 49(3):296-301, illus. Jan. 1974.
918. YABUKI, K., AOKI, M., and HAMOTANI, K. Studies on the effect of wind speed on photosynthesis. 5. The relation between wind speed and photosynthesis of rice plant community. (In Japanese) *J. Agric. Meteorol.* 30(3):101-105, illus. Ref. Dec. 1974.
English summary.

919. YAMAZAKI, N., and FUJIMURA, T. Influence of meteorological factors on rice harvest and yield forecasting at Abashiri District in Hokkaido. (In Japanese) *Hokuno* 41(2):1-12, illus. Feb. 1974.

SOILS

920. ADITYACHAUDHURY, N., and SAHA, G. N. Distribution and nature of organic matter along the profiles of some rice soils of West Bengal. *J. Indian Soc. Soil Sci.* 21(1):77-82, illus. Ref. Mar. 1973.
921. ALBESCU, I., AKSENOVA, I., and MAIANU, A. N. Effect of soil salinity on rice as influenced by planting method under fertilization conditions. *Riso* 23(2):127-130, illus. June 1974.
Italian summary.
922. ALCANTARA, A. J. Nitrogen fixation by Rhizobium-legume association and in the rhizosphere of monocotyledonous plants. College, Laguna, 1974. 131 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
Rice soils.
923. ALIMAGNO, B. V. In situ determination of biological nitrogen fixation by blue-green algae in lowland rice fields. College, Laguna, 1974. 119 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
924. ANDO, S. Present status and problems of paddy soil productivity in Kanagawa Prefecture. (In Japanese) *Nogyo Gijutsu* 29(12):534-536, illus. Dec. 1974.
925. ARARAGI, M., and TANGCHAM, B. Microflora related to the nitrogen cycle in paddy soils of Thailand. *JARQ (Japan Agric. Res. Q.)* 8(4):256-258, illus. Oct. 1974.
926. ATTANANDANA, T. Amelioration of an acid sulfate soil. College, Laguna, 1971. 71 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
927. AYOTADE, K. A. Studies on hydrogen sulfide measurement levels and equilibria in solutions of submerged soils; terminal report. Los Baños, Laguna, IRRI, 1972. 134 p., illus.
928. BADRINARAYAN RAO, M., and VENKATESWARLU, J. The physico-chemical changes of the newly flooded soils. *J. Indian Soc. Soil Sci.* 22(1):13-18, illus. Mar. 1974.
929. BALAKRISHNA KURUP, T. K., and AIYER, R. S. Seasonal variations in soil reaction and soluble salt content of Kuttanad rice soils, Kerala State. *Agric. Res. J. Kerala* 11(1):57-60, illus. Mar. 1973.
930. BEYE, G. Acidification of mangrove soils after empoldering in Lower Casamance. Effects of the type of reclamation system used. In Acid Sulphate Soils; Proc. Int. Symp., 1972, p.359-372, illus. Ref. Wageningen, International Institute for Land Reclamation and Improvement, 1973.
French, Spanish, and German summaries.
For rice growing.
931. BHAN, C., and SHANKER, H. Correlation of available phosphorus values obtained by different methods of phosphorus uptake by paddy. *J. Indian Soc. Soil Sci.* 21(2):177-180, illus. Ref. June 1973.
932. BISWAS, C. R. The potassium supplying capacity of several Philippine soils under two moisture regimes. *Potash Rev.* 4/57:1-15, illus. Ref. 1974.
933. BOLLE-JONES, E. W. Soil fertility in irrigated systems. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 9 p. Ref.
934. BUNOAN, J. C., MELCHOR, F. M., and SABORNIDO, E. G. Zinc effect on the yield of CR-137 grown in Agusan problem soils at varying levels of NPK fertilizer. In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.43-47, illus.
935. CASTRO, T. F., and YOSHIDA, T. Effect of organic matter on the biodegradation of some organochlorine insecticides in submerged soils. *Soil Sci. Plant Nutr.* 20(4):363-370, illus. Ref. Dec. 1974.
936. CECCONI, S., ARDUINO, E., and PICCONE, G. Variazioni delle caratteristiche chimiche e fisiche di un suolo permeabile di risaia durante un ciclo triennale di coltivazione preceduta da differenti interventi meccanici di intasamento. [The results of submersion's length, silting operations and rice growth observed after a test period of three years on very permeable soil.] *Riso* 23(3):227-238, illus. Sept. 1974.
English summary.

937. CHALIENGRATCHAI, K. Improving the productivity of Louisiana clay planted to rice. College, Laguna, 1972. 117 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
938. CHEN, T. T., and others. A preliminary study on the productivity of some Taiwan soils in relation to their properties. J. Chin. Agric. Chem. Soc. Spec. Issue, p.36-56, illus. Ref. Dec. 1973.
K. H. Houng, C. T. Wei, and T. P. Liu, joint authors.
Productivity of paddy soils.
939. CHO, H. Y., and NOH, Y. H. A study on the effect of the permeability to yield weight of paddy rice on the compressed soil. (In Korean) J. Korean Soc. Agric. Eng. 15(2):20-31, illus. Ref. 1973.
English summary.
940. DEB, D. L., and SHARMA, B. M. Note on zino status of Delhi soils with special reference to cropping sequence. Indian J. Agric. Sci. 43(4):424-426, illus. Apr. 1973.
941. DEI, Y., ONKURA, Y., and KONO, M. Fertility of paddy soils. (In Japanese) J. Soil Manure Japan 45(3):126-135. Ref. Mar. 1974.
942. DE LA CRUZ, Q. D., and ARAGON, M. Study of some chemical properties of the six soil types of Maligaya soils in CLSU. CLSU (Cent. Luzon State Univ.) Sci. J. 9(1):5-10, illus. Ref. Jan.-June 1973.
Rice is grown in some soil types.
943. DESHPANDE, T. L., and ZENDE, G. K. Some observations on the utility of phosphorus carriers with differing citrate- and water-soluble phosphate contents in soils of Maharashtra. Technology 8(2, Spec. Issue):6-9. Apr./June 1970.
Includes discussion.
Includes paddy.
944. DHANAPALAN MOSI, A., and others. Soil test follow-up trials on rice in Thanjavur District. Madras Agric. J. 60(6):379-382, illus. June 1973.
A. Venkataraman, S. E. M. Abdul Razack, and N. Pajanisamy, joint authors.
945. DIKSHIT, P. R., SHARMA, D., and SINGH, M. Radioautographic study of ⁶⁵Zn availability to rice plants in presence of certain amendments. In Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp., 1970, p.329-338, illus. Bombay, Dept. of Atomic Energy, 1971.
Includes discussion.
946. EFFECT of two soil activations on crop yields and activities of soil microorganisms in the southern United States. South. Coop. Ser. Bull. 189, 24 p., illus. Aug. 1974.
Includes rice.
947. EL-NAWAWY, A. S., KAMAL, R. M., and ABOU EL-FADIL, M. M. Growth and nitrogen fixation by blue-green alga, Tolypothrix tenuis as affected by phosphorus content of media. Agric. Res. Rev. [U.A.R.] 50(2):111-115, illus. Ref. Mar. 1972.
948. EL-NAWAWY, A. S. Research program on nitrogen fixing blue green algae, in Agricultural Microbiology Division, Ministry of Agriculture, A.R.E. Agric. Res. Rev. [U.A.R.] 50(2):117-128, illus. Ref. Mar. 1972.
949. ENGELSTAD, O. P., JUGSUJINDA, A., and DE DATTA, S. K. Response by flooded rice to phosphate rocks varying in citrate solubility. Proc. Soil Sci. Soc. Am. 38(3):524-529, illus. May/June 1974.
950. ENGLER, R. M., and PATRICK, W. H. Nitrate removal from floodwater overlying flooded soils and sediments. J. Environ. Qualit. 3(4):409-413, illus. Ref. Oct.-Dec. 1974.
Rice soils.
951. FAYE, F. G. N. Varietal response to different levels of soil moisture tension in upland rice. College, Laguna, 1973. 210 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
952. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Soil survey and land classification of the Western Guimba area. Volume I - Text. Rome, 1972. 127 p., illus., maps. (AGL:SF/PHI 10, Tec. Rep. 4)
953. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Studies on soil fertility and fertilizer use. Bogor, Indonesia, 1973. 40 p., illus.
954. GABALLO, R. C. Chemical and morphological characteristics of some paddy soils in the Philippines. College, Laguna, 1973. 219 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
955. GAIKAWAD, S. T., SAMANTARAY, R. N., and PATNAIK, S. Effect of soil application of biocides on N, P, K availability and C, N transformations in flooded rice soils. J. Indian Soc. Soil Sci. 21(3):263-269, illus. Sept. 1973.

956. GARCIA, J. C. Reduction de l'oxyde nitreux dans les sols de rizières du Senegal: mesure de l'activite denitrifiante. [Reduction of nitrous oxide in the soils of the ricefields of Senegal: measurement of denitrification activity.] *Soil Biol. Biochem.* 6(2):79-84, illus. Ref. Mar. 1974.
English summary.
957. GHONEIM, M. F., EL-GIBALY, M. H., and HASSANIN, H. G. The status of manganese in the soil and rice plants under different water systems and fertilizer applications. *Plant Soil* 41(2):313-324, illus. Ref. Oct. 1974.
958. GOPALSWAMY, A., and others. Efficacy of soil test recommendations for rice (*Oryza sativa* L.). *Madras Agric. J.* 60(8):707-709. Ref. Aug. 1973.
K. Kumaraswamy, N. D. Muthiah, and K. Nagalakshmi, joint authors.
959. GORANTIWAR, S. M., JAGGI, I. K., and KHANNA, S. S. Nutrient uptake by rice under different soil moisture regimes. *J. Indian Soc. Soil Sci.* 21(2):133-136, illus. June 1973.
960. GORELIK, L. A. Agrokhimicheskaya kharakteristika pochv nekotorykh raionov risoseyaniya. [Agrochemical characteristics of soils in several rice-growing regions.] *Byull. Vses. Nauchno-Issled. Inst. Udobr. Agropochvoved.* 10:59-66, illus. 1971.
961. GUPTA, J. P., and KATHAVATE, Y. V. Influence of soil compaction on the growth, nutrient uptake and yield of two varieties of rice. *Riso* 23(4):373-380, illus. Dec. 1974.
Italian summary.
962. HAN K. W. Sulfur availability to rice plants and its transformations in rice soil and rhizosphere. College, Laguna, 1973. 124 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
963. HARADA, K., and CHIKURA, S. Soil properties and growth of rice plant on paddy field improved by consolidation of creeks. 2. Growth of paddy rice plant. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 12:34-37, illus. Aug. 1974.
964. HOSSNER, L. R., and PHILIPPS, D. P. Polyphosphate hydrolysis in flooded and non-flooded soils. *In Rice research in Texas, 1971*, p.11-15, illus. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)
965. HUSSAIN T. Cation exchange equilibria in sodium- and magnesium-affected soils in relation to rice production. College, Laguna, 1974. 180 p., illus. Ref.
Thesis (Ph.D.)--University of the Philippines at Los Baños.
966. HYUGA, S., and SHINOHARA, I. Investigation on pollution of soils and crops by heavy metals in Ohata River basin. I. Countermeasures for cadmium pollution. (In Japanese) *Bull. Yamanashi Prefect. Inst. Agric. Sci.* 3:82-92, illus. Feb. 1973.
967. IANCHKOVSKII, IU. F. Solevoi rezhim na risovykh polyakh. [Saline regime in rice fields.] *Gidrotekh. Mellior.* 9:63-67, illus. Sept. 1973.
968. INSTITUT DE RECHERCHES AGRONOMIQUES TROPICALES ET DES CULTURES VIVRIERES. A study of potassium in ferrallitic soils. *Potash Rev.* 4/55:1-2, illus. 1974.
969. ISHIKAWA, M., and others. Soil pollution by heavy metals. I. Pollution of paddy soils by heavy metals in Shiogo, Nanakai Village, Ibaraki Prefecture. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 15:121-130, illus. Ref. 1974.
K. Tsuda, C. Hirayama, M. Ishikawa, M. Yoshihara, and N. Kobayashi, joint authors.
970. ISHIKAWA, M., and others. Soil pollution by heavy metals. II. Soil pollution by heavy metals in neighboring areas of Hitachi. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 15:131-137, illus. 1974.
C. Hirayama, K. Tsuda, and M. Ishikawa, joint authors.
971. ISLAM, A., and HUSSAIN, M. S. Chemical changes in some flooded soils of Bangladesh. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 4 p., tables.
972. JACQ, V. A. Biological sulphate-reduction in the spermosphere and the rhizosphere of rice in some acid sulphate soils of Senegal. *In Acid Sulphate Soils; Proc. Int. Symp.*, 1972, p.82-98, illus. Ref. Wageningen, International Institute for Land Reclamation and Improvement, 1973.
French, Spanish, and German summaries.
Includes discussion.
973. JAGGI, I. K., and RUSSELL, M. B. Effect of moisture regimes and green manuring on ferrous iron concentration in soil and growth and yield of paddy. *J. Indian Soc. Soil Sci.* 21(1):71-76, illus. Mar. 1973.
974. JUTONO. Arti proses mikrobiologi dalam praktak pertanian ditanah pasang surut. [Microbiology of tidal swamp rice.] (Paper presented at the Conf. on Tidal Swamp Rice, Banjarmasin, Indonesia, 1973) 8 p.

975. KADA, T., NISHIYAMA, S., and MIYAKE N. Effects of soil amendment matters on cadmium absorption by paddy rice plant. 1. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 12:18-22, illus. Aug. 1974.
976. KALPAGE, F. S. C. P. Phosphorus in the soils and crops of Sri Lanka. World Crops 26(4):176-178, illus. Ref. July/Aug. 1974.
977. KAMADA, K., and MINAGAWA, M. The movement of cadmium in paddy soils. 2. Several factors on the dissolution of CdS in the soils. (In Japanese) Bull. Hokkaido Prefect. Agric. Exp. Stn. 29:98-107, illus. Ref. Mar. 1974. English summary.
978. KAN, V. M., KOGAI, M. T., and ASILOV, T. Vliyanie posloinogo plodorodiya pochv na razvitie i udozhai risa. [Influence of layered soil fertility on development and yield of rice.] Gidrotekh. Melior. 9:41-43, illus. Sept. 1973.
979. KANAPATHY, K. Acidity, acid sulphate soils and liming of padi fields. Malays. Agric. J. 49(2):154-165, illus. July 1973.
980. KANAZAWA, J. Residual mercury found in paddy field soil. (In Japanese) Noyaku Kagaku 2(3):121-122, illus. Dec. 1974.
981. KANJANANIRATISAI, M. A study on the correlation between availability indices of soil phosphorus determined on aerobic and anaerobic soil samples. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.141-149, illus. Bangkok, 1974. English summary.
982. KANKE, B., and YAMANE, I. Effect of sonication and pretreatment with 99.9% ethanol solution on water soluble sugars in lowland rice soils. (In Japanese) J. Sci. Soil Manure Japan 45(12):577-581, illus. Dec. 1974.
983. KANKE, B., and YAMANE, I. Form of sugars soluble in water and ethanol in lowland rice soils. (In Japanese) J. Sci. Soil Manure Japan 45(5):263-267, illus. Ref. May 1974.
984. KANKE, B., and YAMANE, I. Variation of water soluble sugars in dried soil after submersion. (In Japanese) J. Sci. Soil Manure Japan 45(11):539-540, illus. Nov. 1974.
985. KATO, T. On the water-soluble organic matter in paddy soils. 3-4. (In Japanese) J. Sci. Soil Manure Japan 45(5):234-238; (10):459-462, illus. May, Oct. 1974.
3. Gel filtration of water-soluble organic matter; 4. Behavior of free amino acids under the submerged condition.
986. KATYAL J. C. A study of zinc equilibria in flooded soils and amelioration of zinc deficient soils of Agusan del Norte; terminal report. Los Baños, Laguna, IRRI, 1972. 115 p., illus., tables. Ref.
987. KAWAGUCHI, K., and KYUMA, K. Paddy soils in tropical Asia. 1-2. Description of fertility characteristics. Southeast Asian Stud. 12(1):3-24; (2):177-192, illus. June, Sept. 1974.
988. KAWASE, K., and others. Investigation on the soil types of Niigata Prefecture. XXIV. Soil survey of Niibo-mura in Sado-gun. (In Japanese) Niigata Agric. Sci. 26:59-75, illus. Ref. Mar. 1974.
E. Yokoyama, T. Honma, M. Nakagawa, and T. Nakagawa, joint authors.
989. KAWASE, K. Soil survey of paddy fields in Japan with colored illustration. (In Japanese) Tokyo, Kodansha, 1972. 123 p. Ref.
990. KAZAMA, K. Useful soil survey for farmers. (In Japanese) Agric. Hortic. 49(10):1213-1218, illus. Oct. 1974.
991. KEVIE, W. VAN DER, and YENMANAS, B. Semi-detailed soil survey of a part of the Central Plain: Pho Phraya, Sam Chuk, and Sam Chuk-Extension Irrigation Tracts. Bangkok, Dept. of Land Development, Soil Survey Division, 1972. 73 p., tables. (Rep. SSR-87).
Suitability of soils for irrigated rice, p.41-45.
992. KEVIE, W. VAN DER, and YENMANAS, B. Semi-detailed soil survey of a part of the Central Plain: Rerng Rang, Nakhon Luang, Maharat-Extension and Phak Hai Irrigation Tracts. Bangkok, Dept. of Land Development, Soil Survey Division, 1972. 69 p., tables. (Rep. SSR-88)
Suitability of soils for irrigated rice, p.32-36.
993. KHOSLA, B. K., and others. Effect of depth of mixing gypsum on soil properties and yield of barley, rice and wheat grown on a saline-sodic soil. Indian J. Agric. Sci. 43(11):1024-1031, illus. Ref. Nov. 1973.
K. S. Dargan, I. P. Abrol, and D. R. Bhumbia, joint authors.
994. KINOCHI, K., and TOMOBE, H. The effect of crop leavings on growth of succeeding crops and the soil properties of upland field. (In Japanese) Bull. Ibaraki Agric. Exp. Stn. 15:95-103, illus. 1974.
995. KORNBLIUM, E. A., and LYUBIMOVA, I. N. Conditions and mechanism of degradation of paddy soils. Soviet Soil Sci. 4:448-458, illus. Ref. 1973.
Transl. from Pochvovedeniye 8:96-106. 1973.

996. KOSUGE, N. Denitrification measuring method in paddy soil and its significance. (In Japanese) *Agric. Hortic* 49(4):503-507, illus. Apr. 1974.
997. KOZIN, M. A. Vozdelyvanie risa na zasolennykh zemlyakh v kachestve promyvnoi kul'tury. [Growing rice on saline soils as a leaching crop.] *Gidrotekh. Mellor.* 9:50-57, illus. Sept. 1973.
998. KRISHAMOORTHY, K. K., GURUSWAMY, M., and MUTHUSWAMY, P. Effect of different moisture regimes on the ferrous-iron content of soil and the yield of rice (*Oryza sativa* L.). *Madras Agric. J.* 60(8):659-663. Aug. 1973.
999. KUMANO, S., KON, T., and SEKI, K. Studies on the growth regulation of rice plant by water control and fertilizer application. 3. Effect of soil temperature and soil Eh on root taking of young seedlings and their early growth. (In Japanese) *Tohoku Agric. Res.* 15:79-82, illus. Apr. 1974.
1000. KUWANO, Y., SHIGA, Y., and IWAMOTO, Y. Pollution of soils with cadmium. I. Cadmium uptake by paddy rice. (In Japanese) *Bull. Oita Prefect. Agric. Res. Cent.* 5:45-67, illus. Ref. Mar. 1974.
1001. KUWATSUKA, S., and IGARASHI, M. Degradation of PCP in soils. I. Quantitative analysis of PCP in soils. (In Japanese) *J. Sci. Soil Manure Japan* 45(7):321-326, illus. Ref. July 1974.
1002. KYUMA, K., HATTORI, T., and KAWAGUCHI, K. Rice cultivation and its environmental conditions in the Mediterranean countries. II. Soils, their fertility and mineralogy. *Soil Sci. Plant Nutr.* 20(3):225-240, illus. Sept. 1974.
1003. LEE, Y. H., and others. Effect of aluminum and iron content in slags on extraction of available silica and responses of silica to rice plant. (In Korean) *Res. Rep. Off. Rural Dev. [Korea]* 16(Soil Sci. Fert.):1-9, illus. Ref. Aug. 1974. I. B. Hur, K. H. Han, and Y. S. Kim, joint authors. English summary.
1004. LEE WANG, T. S., LEE, H. K., and LIN, C. F. Characteristics of the slate alluvial soils in central Taiwan associated with the growth of lowland rice. (In Chinese) *J. Taiwan Agric. Res.* 23(4):242-254, illus. Ref. Dec. 1974. English summary.
1005. LEUNG, K. W., and LAI, C. Y. The characteristics and genesis of paddy soils in central part of Taiwan. (In Chinese) *J. Taiwan Agric. Res.* 23(4):219-241, illus. Ref. Dec. 1974. English summary.
1006. LIN, C. F., CHEN, C. C., and LI, H. K. A report on soil characteristics associated with rice yield in the central Taiwan. (In Chinese) *J. Taiwan Agric. Res.* 23(3):155-165, illus. Sept. 1974. English summary.
1007. LOGANATHAN, S., and RAJ, D. Availability of N P K in soil in relation to growth of three rice varieties grown with different combinations of these nutrients. *J. Indian Soc. Soil Sci.* 21(1):83-89, illus. Ref. Mar. 1973.
1008. MAIANU, A. Bilantul salin al ozeariilor amenajate pe soluri saline, in perioada de ameliorare a solului. [Salt balance on saline paddy soils during the soil reclamation period.] *An. Inst. Stud. Cercet. Pedol.* 39:461-477, illus. 1972. English, French and Russian summaries.
1009. MAINASHEVA, G. M., CHIZHIKOVA, N. P., and NIKOLAEVA, S. A. Ismeneniia glinistogo materiala v chernozemakh pod kul'turoi risa. [The change of clay material in southern chernozem under the rice crop.] *Vestn. Mosk. Univ. Ser. VI Biol. Pochvoved.* 6:74-80, illus. Ref. 1974. English summary.
1010. MANDAL, L. N., and MANDAL, K. C. Influence of organic matter and lime on the transformation of applied phosphate in acidic lowland rice soils. *J. Indian Soc. Soil Sci.* 21(1):57-62, illus. Mar. 1973.
1011. MATSUGUCHI, T., TANGCHAM, B., and PATIYUTH, S. Free-living nitrogen fixers and acetylene reduction in tropical rice field. *JARQ (Japan Agric. Res. Q.)* 8(4):253-255, illus. Oct. 1974.
1012. MATSUI, M., and others. Soil properties and growth of rice plant on paddy field improved by consolidation of creeks. 1. Soil properties. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 12:28-33, illus. Aug. 1974. H. Shimokawa, K. Tsuchiyama, T. Kugota, and Y. Murakami, joint authors.
1013. MATSUO, Y. Soil sampling method for agricultural researchers. 8. (In Japanese) *Agric. Hortic.* 49(2):256-260, illus. Feb. 1974.
1014. MATSUURA, K., FUKUNAGA, A., and SAKANOU, Y. Influence of vegetation on the leaching of some mineral nutrients from water-logged paddy soils. (In Japanese) *J. Sci. Soil Manure Japan* 45(8):361-367, illus. Ref. Aug. 1974.
1015. MINAGAWA, M., KAMADA, K. I., and IWABUCHI, H. The movement of cadmium in paddy soils. 3. Effects of the surface drainage period of paddy fields on the Cd absorption of rice plants. (In Japanese) *Bull. Hokkaido Prefect. Agric. Exp. Stn.* 29:108-118, illus. Ref. Mar. 1974. English summary.

1016. MINERVINI FERRANTE, G., BATTINO VITERBO, A., and BISIACH, M. Agar plate technique for potential algicide screening. *Riso* 23(1):13-18, illus. Mar. 1974.
Italian summary.
1017. MITCHELL, A. J. B., and NTOKOTHA, E. M. Soil surveys 1969/70. Zomba, Malawi, Ministry of Agriculture and Natural Resources, Soil Survey Section, 1974. 154 p., illus., maps.
Rice surveys, p. 58-102.
1018. MITSUCHI, M. Characters of humus formed under rice cultivation. *Soil Sci. Plant Nutr.* 20(3):249-259, illus. Ref. Sept. 1974.
1019. MITSUCHI, M. Chloritization in lowland paddy soils. *Soil Sci. Plant Nutr.* 20(2):107-116, illus. Ref. June 1974.
1020. MITSUCHI, M. Pedogenic characteristics of paddy soils and their significance to soil classification. (In Japanese) *Bull. Natl. Inst. Agric. Sci. [Japan] Ser. B* 25:29-115, illus. Ref. Jan. 1974.
English summary.
1021. MOHANTY, S. K., and PATNAIK, S. Nutrients limiting rice production in different soils. *Indian J. Agric. Sci.* 43(8):778-780, illus. Aug. 1973.
1022. MURAKAMI, H., SAWADA, S., and FURUYAMA, M. Changes of soil conditions on the paddy field coated with bottom mud of Lake Shinji and its productivity. (In Japanese) *Bull. Shimane Agric. Exp. Stn.* 11:16-30, illus. Ref. Dec. 1973.
English summary.
1023. MURAKAMI, H., and others. Effect of iron-slag application on the sandy autumn-declined ("Akiochi") paddy soil. (In Japanese) *Bull. Shimane Agric. Exp. Stn.* 11:1-15, illus. Dec. 1973.
M. Furuyama, B. Mihara, and H. Hanayama, joint authors.
English summary.
1024. NAIR, K. S., RAMAKRISHNAN, C., and SITHANANTHAM, S. Effect of soil application of insecticides on the nutrient status, bacterial population and yield in rice soils. *Madras Agric. J.* 60(7):441-443, illus. July 1973.
1025. NAKAYA, N., and ONIKURA, Y. An example of immobilization and mineralization of nitrogen by the application of rice straw to paddy field. (In Japanese) *J. Sci. Soil Manure Japan* 45(11):546-548, illus. Nov. 1974.
1026. NAMMUANG, P., and HIRUNYUPAKORN, V. Effects of different NaCl contents and fertility levels of soils on the chemical composition and grain yield of rice. (In Thai) *In Thailand. Rice Dept. Annual research report, 1971*, p. 351-360, illus. Bangkok, 1974.
English summary.
1027. NAPHADE, J. D., and GHILDYAL, B. P. Influence of the state of oxidation and reduction on soil characteristics, nutrient uptake and rice growth. *Riso* 23(3):277-282, illus. Ref. Sept. 1974.
Italian summary.
1028. NISHIMURA, M., KUROSAWA, A., and WADA, T. Control of cadmium absorption by rice plant. 1. Effect of water management and soil amendment matters and position of cadmium contained soil. (In Japanese) *Tohoku Agric. Res.* 15:49-51, illus. Apr. 1974.
1029. OLUKHOV, A. D. Optimizatsiya solevykh protsessov v aktivnom sloe pochvy risovykh chekov. [Optimization of salt processes in the active soil layer of rice checks.] *Vestn. S-kh. Nauki [Moskva]* 8:87-93, illus. 1974.
English, German, and French summaries.
1030. OBUKHOV, A. D. Predicting the dynamics of soil desalinization in a rice crop rotation. *Soviet Soil Sci.* 6(5):598-604, illus. 1974.
Transl. from *Pchvovedeniye* 9:135-142. 1974.
Also in *Cytobiologie* 9(3):280-289. Sept. 1974.
1031. OH, J. S., YOU, K. S., and SHIN, Y. H. Studies on percolation rate on main paddy soils. (In Korean) *Res. Rep. Off. Rural Dev. [Korea]* 16(Soil Sci. Fert.):27-34, illus. Ref. Aug. 1974.
English summary.
1032. PAL, D. Tracer experiments on the kinetics of rice straw decomposition in soils. Davis, Calif., 1973. 100 p., illus. Ref.
Thesis (Ph. D.)--University of California, Davis.
Abstract in *Diss. Abstr. Int.* B 34(7):3039-B. Jan. 1974.
1033. PANDA, S. C., NAYAK, R. C., and MAHAPATRA, I. C. A note on effect of cement dust on the soil fertility and crop growth around the factory area of Rajgangpur (Orissa). *Indian J. Agron.* 18(3):389-391, illus. Sept. 1973.
Effects on rice.
1034. PANTASTICO, J. B., and SUAYAN, Z. A. Algal succession in the ricefields of College and Bay, Laguna. *Philipp. Agric.* 57(7/8):313-326, illus. Dec. 1973/Jan. 1974.

1035. PARK, Y. D., and TANAKA, A. The effect of K, SiO₂, and Mn on rice plant grown on an Akiochi soil in Korea. Res. Rep. Off. Rural Dev. [Korea] 16(Soil Sci. Fert.):87-92, illus. Ref. Aug. 1974.
Korean summary.
1036. PATRICK, W. H., and GOTOH, S. The role of oxygen in nitrogen loss from flooded soils. Soil Sci. 118(2):78-81, illus. Aug. 1974.
Rice soils.
1037. PHILIPPS, D. P., and HOSSNER, L. R. Relationships between chemical forms of soil iron and manganese and their absorption by rice from 32 flooded Gulf Coast soils. In Rice research in Texas, 1971, p.15-19, illus., map. Ref. Texas Agric. Exp. Sta., Sept. 1972. (Consolidated PR3092-3105)
1038. PONNAMPERUMA, F. N., ATTANANDANA T., and BEYE G. Amelioration of three acid sulphate soils for lowland rice. In Acid Sulphate Soils; Proc. Int. Symp., 1972, p.391-406, illus. Ref. Wageningen, International Institute for Land Reclamation and Improvement, 1973.
French, Spanish, and German summaries.
1039. PURANIK, R. B., and BAPAT, M. V. Studies on forms and availability of phosphorus in soils of Vidarbha. Indian J. Agric. Chem. 6(2):79-83, illus. Ref. Dec. 1973.
Includes paddy soils.
1040. RAGHUPATHY B., and RAJ, D. Availability fluctuations of soil nitrogen fractions during paddy growth under flooded conditions. Madras Agric. J. 60(8):724-728. Ref. Aug. 1973.
1041. RAJU, G. S. N., and MUKHOPADHYAY, A. K. Significance of the sequence of K⁺ and NH₄⁺ application for the availability of nitrogen to the rice plant. Plant Soil 41(1):189-193, illus. Aug. 1974.
1042. RAMAMOORTHY, B., and VELAYUTHAM, M. Soil testing for high fertilizer efficiency. Indian Farming 23(11):11-14, illus. Feb. 1974.
1043. RAMANATHAN, K. M., and KRISHNAMOORTHY, K. K. Changes in the availability of nitrogen in different soils at successive growth stages of rice. Madras Agric. J. 60(8):710-713. Ref. Aug. 1973.
1044. RAMANATHAN, K. M., and KRISHNAMOORTHY, K. K. Potassium availability in relation to growth of rice in different soils. J. Indian Soc. Soil. Sci. 21(2):181-186, illus. June 1973.
1045. RAMANATHAN, K. M., and KRISHNAMOORTHY, K. K. Study on the progressive changes in phosphorus availability in different soils at successive growth stages of rice (*Oryza sativa* L.). Madras Agric. J. 60(8):768-771 Ref. Aug. 1973.
1046. RAMANATHAN, K. M., and KRISHNAMOORTHY, K. K. Study on the relationship between organic carbon and available nitrogen in rice soils at successive growth stages of rice. Madras Agric. J. 60(8):720-723. Ref. Aug. 1973.
1047. RAO, V. R., KALININSKAYA, T. A., and MILLER, YU. M. Izuchenie aktivnosti nesimbioticheskoi azotifikatsii v pochvakh risovykh polei pri pomoshchi ¹⁵N₂. [The activity of non-symbiotic nitrogen fixation in soils of rice fields studied with ¹⁵N₂.] Mikrobiologiya 42(4):723-734, illus. 1973.
English summary.
1048. RENGASAMY, P., SINGH, G., and KRISHNA MURTI, G. S. R. Iron transformation and microaggregates in submerged soil. Riso 23(2):151-157, illus. Ref. June 1974.
Italian summary.
1049. RHEE, J. Y., and others. Effect of furnace temperature on availability of silica in lime silicate stones and resultant effect of the soluble silica on rice. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Soil Sci. Fert.):59-63, illus. Ref. Aug. 1974.
Y. D. Park, Y. H. Lee, and I. B. Hur, joint authors.
English summary.
1050. RHEE, J. Y., PARK, Y. D., and HUR, I. B. Effect of silicate sources on silica uptake by rice plant. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Soil Sci. Fert.):65-71, illus. Ref. Aug. 1974.
English summary.
1051. RINAUDO, G. Fixation biologique de l'azote dans trois types de sol de rizière de Cote d'Ivoire. [Biological fixation of nitrogen in three types of paddy soils of the Ivory Coast.] Rev. Ecol. Biol. Sol 11(2):149-168, illus. Ref. 1974.
English summary.
1052. RUSSELL, E. W. Soil conditions and plant growth. 10th ed. London, Longman, 1973. 849 p., illus.
Rice soils, p.686-695.
1053. SADANANDAN, N., and MAHAPATRA, I. C. Study of the exchangeable hydrogen status of the soil as affected by multiple cropping in upland alluvial rice areas. Indian J. Agron. 18(3):486-491, illus. Dec. 1973.

1054. SADANANDAN, N., and MAHAPATRA, I. C. A study of the nitrogen status of the soil as affected by multiple cropping. *J. Indian Soc. Soil Sci.* 21(2):173-175, illus. 1973.
1055. SAHA, G. N., and ADITYACHAUDHURY, N. Efficient method of soil organic matter extraction for the rice soils of alluvial origin. *Sci. Cult.* 40(10):435-437, illus. Oct. 1974.
1056. SANCHEZ, P. A. A review of soils research in tropical Latin America. *N. C. Agric. Exp. Stn. Tech. Bull.* 219, 197 p. Ref. July 1973.
1057. SANG, J. B. An observation on the effects of nitrogen fixing blue-green algae at acidic soil of rice fields in Korea. In *International Symposium on Taxonomy and Biology of Blue Green Algae*, 1st, Madras, 1970, p.274-275. 1972.
1058. SCHELTEMA, W., and BOONS, H. CH. P. M. A₁-clay--a solution to mechanical stability problems in heavy clay soil? An orientative study in relation to lowland rice yields and dry crops perspective. In *Acid Sulphate Soils; Proc. Int. Symp.* 1972, p.319-342, illus. Ref. Wageningen, International Institute for Land Reclamation and Improvement, 1973. French, Spanish, and German summaries. Includes discussion.
1059. SCHERER, C. H., and others. Calibração para arroz irrigado, em diferentes grupos de solos. [Calibration for irrigated rice in different groups of soils.] In *An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas*, 1974, p.81-84, illus. O. C. Cruz, R. E. Bacha, and H. A. Gomes, joint authors.
1060. SCHERER, C. H., BACHA, R. E., and OLIVEIRA, M. A. Eficiencia dos fosfatos em arroz irrigado, em solo vacacai. [Efficiency of phosphorus in irrigated rice in Vacacai soil.] In *An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas*, 1974, p.84-86, illus.
1061. SCHOLTEN, J. J., and BOONYAWAT, W. Detailed reconnaissance soil survey of Nan Province. Bangkok, Dept. of Land Development, Soil Survey Division, 1972. 120 p., tables. (Rep. SSR-90). Soil suitability groups and subgroups for paddy (wet land) rice, p.69-76.
1062. SCHOLTEN, J. J., and BOONYAWAT, W. Detailed reconnaissance soil survey of the northern part of Chiang Rai Province. Bangkok, Dept. of Land Development, Soil Survey Division, 1971. 91 p., tables. (Rep. SSR-86) Paddy (rice) suitability groups and subgroups, p.44-49.
1063. SEIRAYOSAKOL, A. Effect of organic matters on the physical and chemical properties of paddy soils in combination with water management. (In Thai) In *Thailand. Rice Dept. Annual Research report*, 1971, p.129-140, illus. Bangkok, 1974. English summary.
1064. SEIRAYOSAKOL, A. Liming effect on the changes in the physical and chemical properties of paddy soils in relation to various nitrogen and phosphate fertilizer. (In Thai) In *Thailand. Rice Dept. Annual research report*, 1971, p.119-128, illus. Bangkok, 1974. English summary.
1065. SEKIZAWA, N., and others. Studies on the zinc deficient soil. (In Japanese) *Bull. Iwate-ken Agric. Exp. Stn.* 17:25-76, illus. Ref. Mar. 1973. S. Uchida, A. Chiba, N. Nakano, R. Takahashi, and K. Sato, joint authors. English summary.
1066. SHARMA, D. L., and others. Effect of continuous cultivation and irrigation under paddy-wheat rotation on the physical make-up of soils of Chambal command area of Kota (Rajasthan). *Indian J. Agric. Res.* 8(2):77-82, illus. Ref. Apr./June 1974. B. L. Darra, G. P. Nathani, and P. N. Sharma, joint authors.
1067. SHARMA, D. N. Comparative study on the influence of direct and indirect ploughing of different organic materials (in the form of compost) on the yield of paddy crop. *Indian J. Agric. Chem.* 2:27-33, illus. 1969.
1068. SHARMA, D. N. Influence of blue green algae on the yield of paddy crop in presence and absence of organic matter and phosphate in field. *Indian J. Agric. Chem.* 2:22-26, illus. Ref. 1969.
1069. SHIGETA, K., and others. Studies on the chemical change of the paddy soils in Shiga Prefecture. (A comparative analysis of the chemical compositions over the present-day soils and the 10-year-ago soils). (In Japanese) *Bull. Shiga Prefect. Agric. Exp. Stn.* 15:23-30, illus. Mar. 1973. Y. Shimada, Y. Nishikawa, M. Kobayashi, K. Ohashi, and Y. Yamamoto, joint authors.
1070. SHIMOKAWA, H., and TSUCHIYAMA, K. Influence of oxydation-reduction and lime, phosphate applying solubility in soil. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 12:42-44, illus. Aug. 1974.
1071. SHOJI, S., and others. Influence of percolation and the growth and grain yields of rice plant and physico-chemical properties of paddy soil. (In Japanese) *J. Sci. Soil Manure Japan* 45(10):441-446, illus. Ref. Oct. 1974. K. Watanabe, S. Fukazawa, F. Higuchi, S. Saito, and S. Watanabe, joint authors.

1072. SILVA, A. A. DA, and ALVIM, A. J. S. Soil salinity of a rice field as measured by a quick field electrical procedure. *Agron. Lusit.* 35(1):73-84, illus. 1973.
Portuguese summary
1073. SILVA, J. B. DA, BRAUNER, J. L., and SERPA, W. S. Influência de dois solos ácidos (com e sem CaCO_3) sobre a absorção de alumínio, germinação de sementes e produção de matéria seca de plantas de arroz (*Oryza sativa*), verificada através do método de Neubauer modificado. [Influence of two acid soils (with and without CaCO_3) on the absorption of aluminum, seed germination and production of dry matter of rice plant (*Oryza sativa*), using Neubauer modified method.] *Fitotec. Latinoam.* 8(2):74-78, illus. Ref. 1972.
English summary.
1074. SINGH, D., and DATTA, N. P. Saturation of soil with respect to phosphorus in relation to the efficiency of utilization of applied phosphorus from indigenous phosphate rocks. *J. Indian Soc. Soil Sci.* 22(2):125-129, illus. Ref. June 1974.
1075. SOARES, A. L. A. Subsolação em lavoura de arroz. [Subsoils in rice fields.] *Lav. Arroz.* 28(275):43-44. Sept./Oct. 1973.
1076. SUBRAHMANYAN, R. Some observations on utilization of blue-green algal mixtures in rice cultivation in India. In *International Symposium on Taxonomy and Biology of Blue Green Algae*, 1st, Madras, 1970, p.281-293, illus. Ref. 1972.
1077. SUHARDJO, H., and LUSANANDANA, C. The chemical and electrochemical behaviour of four surface soils upon artificial flooding. In *Indonesia: Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1966-1974, Section II*, p.219-235, illus. Ref. Jakarta, 1974.
Paddy soils.
1078. SUZUKI, M. Microbiological studies on the zinc availability of some flooded rice soils in the Philippines. Los Baños, Laguna, International Rice Research Institute, 1971. 44 p., illus. Ref.
1079. TACHIYA, T., TATEKAWA, H., and KANNO, T. Studies on the heavy metal pollution of crops and soil in Fukushima Prefecture. 3. Influence of Cd pollution of rice and soil with the direction of the wind in east of Bandai Town in 1970-1971. (In Japanese) *Bull. Fukushima Prefect. Agric. Exp. Stn.* 13:1-7, illus. Mar. 1974.
1080. TACHIYA, T., and others. Studies on the heavy metal pollution of crops and soil in Fukushima Prefecture. 4. Influence of pollution of rice to fall Cd in east of Bandai town in 1972. (In Japanese) *Bull. Fukushima Prefect. Agric. Exp. Stn.* 13:9-13, illus. Mar. 1974.
H. Tatekawa, T. Kanno, and S. Saito, joint authors.
1081. TAKAHASHI, E. Effect of soil moisture on the uptake of silica by rice plant seedlings. (In Japanese) *J. Sci. Soil Manure Japan* 45(12):591-596, illus. Dec. 1974.
1082. TAKASE, I., and NAKAMURA, H. The fate of ethylthiometon (O, O-diethyl S- [2-(ethylthio) ethyl] phosphorodithioate) in paddy soil. (In Japanese) *J. Agric. Chem. Soc. Japan* 48(1):27-34, illus. Ref. 1974.
English summary.
1083. TAKATO, H., and others. Low productivity of dissected valley paddy fields from view points of soil properties and rice plant growth. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 13:85-98, illus. 1973.
M. Ishikawa, K. Suda, and M. Ishikawa, joint authors.
1084. TAN, K. H. Relationships between some laboratory soil nitrogen availability indices and plant indices of two crops (*Hevea brasiliensis* and *Oryza sativa*). In *Proc. Second ASEAN Soil Conf.*, Vol. II, p.217-228, illus. Ref. Jakarta, 1972.
Includes discussion.
1085. TANAKA, A., and UETA, H. Studies on the influence of public nuisance to rice plants. 7. Movement of cadmium in soil under various conditions. (In Japanese) *Bull. Tottori Agric. Exp. Stn.* 14:31-48, illus. Ref. Oct. 1974.
English summary.
1086. TANGCHAM, B., and SARUTANONTANA, S. Effect of organic matter on denitrification (1. Study on the microbial population related to denitrification.) (In Thai) In *Thailand. Rice Dept. Annual research report*, 1971, p.157-161, illus. Bangkok, 1974.
English summary.
1087. TANGCHAM, B., and SARUTANONTANA, S. Studies on the nitrogen loss in paddy soils of Thailand. (In Thai) In *Thailand. Rice Dept. Annual research report*, 1971, p.150-156, illus. Bangkok, 1974.
English summary.
1088. TERMAN, G. L., and ALLEN, S. E. Rice response to nitrogen and phosphorus in flooded and nonflooded soils. *Proc. Soil Sci. Am.* 38(5):780-784, illus. Ref. Sept./Oct. 1974.

1089. TILLER, K. G., and WASSERMANN, P. The effect of flooding on the availability of zinc and manganese to rice. *Z. Pflanzenernaehr. Bodenk.* 136(1):57-67, illus. Ref. 1973.
German summary.
1090. TROLLDENIER, G. Influence of mineral nutrition on microbial nitrogen fixation and other processes in the rhizosphere of rice; terminal report. Los Baños, Laguna, International Rice Research Institute, 1974. 13 p., tables, figs. Rel.
1091. TSITOVICH, I. K., and SEMENOVA, E. I. Opređenje mikrokoličestv 2,3,6-triklorbenzoata natrija v pochve posle kontsentrirvaniya na anionite. [Determination of trace amounts of sodium 2,3,6-trichlorobenzoate in the soil after concentration on an anion exchanger.] *Khim. Sel'sk. Khoz.* 12(7):63-65, illus. 1974.
Rice water fungicide.
1092. TSUDA, K., and others. Soil pollution by heavy metals. III. Change of cadmium, copper and manganese concentration of paddy rice grain in maturing stage. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 15:139-143, illus. Ref. 1974.
M. Ishikawa, M. Ishikawa, I. Tobita, and M. Kurosawa, joint authors.
1093. UEMOTO, S., and others. On the classification of paddy soils in Hiroshima Prefecture. (In Japanese) *Bull. Hiroshima Prefect. Agric. Exp. Stn.* 35:73-90, illus. Ref. Dec. 1974.
S. Nakazawa, H. Ueki, and N. Iwasa, joint authors.
English summary.
1094. UETA, H., and HIROYAMA, T. Studies on the influence of public nuisance to rice plants. 6. On countermeasure for the improvement of the paddy field polluted with surplus copper. (In Japanese) *Bull. Tottori Agric. Exp. Stn.* 14:23-30, illus. Oct. 1974.
English summary.
1095. URUSHIHARA, E., KOBAYASHI, N., and ISHIKAWA, M. Residue of PCB in soils in crops in Ibaraki Prefecture. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 15:145-149, illus. 1974.
1096. VAIDEHI, B. K. Effect of foliar application of urea on the behaviour of Helminthosporium hawaiiensis in the rhizosphere of rice. *Indian J. Mycol. Plant Pathol.* 3(1):81-85, illus. Jan. 1973.
Hindi summary.
1097. VANGNAI, S., ATTANANDANA, T., and TAWETEEKUL, A. Sulfide formation and rice yield in Ongkarak soil. (In Thai) *Kasetsart J.* 8(1):23-27, illus. Ref. Jan./June 1974.
English summary.
1098. VELLY J., and ROCHE, P. Arriere-action des fumures de redressement phosphatées sur divers types de sols de Madagascar. [Residual effect of phosphorus basal dressing on various types of soil in Madagascar.] *Agron. Trop.* [France] 29(5):593-606, illus. May 1974.
English and Spanish summaries.
1099. WADA, H., and others. Distribution pattern of substances and microorganisms in connection with aggregates of different sizes in plough layer of paddy soil. 1. Content of chemical substances and population of microorganisms in dry soil aggregates. (In Japanese) *J. Sci. Soil Manure Japan* 45(4):204-207, illus. Ref. Apr. 1974.
H. Ishii, H. Tsuji, and T. Takai, joint authors.
1100. WADA, H., ISHII, H., and TAKAI, Y. Distribution pattern of substances and microorganisms in connection with aggregates of different sizes in plough layer of paddy soil. 2. Content of chemical substances and population microorganisms. II. (In Japanese) *J. Sci. Soil Manure Japan* 45(4):208-212, illus. Apr. 1974.
1101. WADA, H., and MATSUMOTO, S. Pedogenic processes in paddy soils. *Pedologist* 17(1):2-15, illus. Ref. June 1973.
1102. WADA, M., and MURAKAMI, T. Relation of soil temperature and nutrient in soil to paddy rice plant growth at early stage. (In Japanese) *Rep. Tohoku Br. Crop Sci. Soc. Japan* 16:17-18, illus. Mar. 1974.
1103. WATANABE, I. Isolation of pentachlorophenol decomposing bacteria from soil. *Soil Sci. Plant Nutr.* 19(2):109-116, illus. Ref. June 1973.
Paddy soil.
1104. YAMANE, I. pH of soil solution of submerged soil. (In Japanese) *J. Sci. Soil Manure Japan* 45(6):303-305, illus. Ref. June 1974.
1105. YANAGISAWA, M. Present status and measures for paddy soil productivity in Toyama Prefecture. (In Japanese) *Nogyo Gijutsu* 29(9):388-392, illus. Sept. 1974.
1106. YANG, M. S. Effect of lime on characteristics of rice seedling in acid sulfate soil. (In Korean) *J. Inst. Agric. Resource Utiliz. (Korea)* 8:33-43, illus. Ref. 1974.
English summary.

1107. YOKOYAMA, T., and others. Control of cadmium absorption by rice plant. 2. Control effect by soil amendment matters on different soils. (In Japanese) Tohoku Agric. Res. 15:52-55, illus. Apr. 1974.
A. Kitazawa, A. Miyazawa, and T. Wada, joint authors.
1108. YOSHIDA, M., and ITOH, N. Composition of exchangeable cations in submerged paddy soil and acidifying process associated with exposure to air. (In Japanese) J. Sci. Soil Manure Japan 45(11):525-528, illus. Ref. Nov. 1974.
1109. YOSHIDA, T., and PADRE, B. C. Nitrification and denitrification in submerged Maahas clay soil. Soil Sci. Plant Nutr. 20(3):241-247, illus. Sept. 1974.
Rice soil.
1110. YOSHINO, M. Behavior of ABS (Alkyl benzenesulfonate) in soils and plants. (In Japanese) Nogyo Gijutsu 29(2):63-67, illus. Ref. Feb. 1974.
1111. YOSHINO, T., and DEI, Y. Patterns of nitrogen release in paddy soils predicted by an incubation method. JARQ (Japan Agric. Res. Q.) 8(3):137-141, illus. July 1974.
1112. ZALOB, M., and BELOGLAZOVA, N. Obogashchennyi fon pri vyrashohivanií semyan risa. [High fertility level during the sowing of rice seeds.] Zemledelie 5:45. 1974.
1113. ZHAMANKULOV, A. Pochvenno-mellorativnye usloviya Akdalinskogo massiva orosheniya (na primere Bakhbaktinskogo risovogo sovkhosa). [Soil amelioration conditions in the Akdala irrigated massif (on the example of the Bakhbaktia rice growing farm).] Tr. Kaz. S-kh. Inst. 13(2):36-42. 1970.
1114. ZOLTUN, V. P., and others. K voprosu vliyaniya mikroelementov na formirovanie urozhaya risa v usloviyakh khersonskogo prichernomor'ya. [Effect of trace elements on the rice yield of the Kherson Black Sea Region.] Tr. Kishinev. S-kh. Inst. 99:124-128. Ref. 1973.
L. K. Lenets, L. G. Moka, and O. S. Osadchaya, joint authors.

WATER SUPPLY, WATER REQUIREMENTS, AND SOIL-PLANT-WATER RELATIONS

1115. ABILAY, W. H., and DE DATTA, S. K. Varietal adaptation to water conditions in rainfed rice. In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.211-216, illus.
1116. ALLAVENA, L. Sulla funzione termoregolatrice dell'acqua di sommersione nei terreni coltivati a riso. [Thermoregulating function of water in rice fields.] Riso 23(2):131-150, illus. Ref. June 1974.
English summary.
1117. BANERJEE, B. N. Consumptive use of water on rice--Aus paddy. In Symp. on Optimum Requirements and Utilisation of Water for Irrigated Crops. India Cent. Board Irrig. Power Publ. 94:126-133. Mar. 1969.
1118. CANTHO. UNIVERSITY. Mekong Delta Soils Project; annual report, 1973-1974. Cantho, 1974. 104 p., illus.
Includes experiments on water requirements of rice.
1119. CHAUDHRY, M. S., and MAHAPATRA, I. C. Effect of manuring on water requirement of rice crop. In Symp. on Optimum Requirements and Utilisation of Water for Irrigated Crops. India Cent. Board Irrig. Power Publ. 94:21-23, illus. Mar. 1969.
1120. CHAUDHRY, M. S., and SINGH, R. S. Irrigation requirements of rice crop--a review. In Symp. on Optimum Requirements and Utilisation of Water for Irrigated Crops. India Cent. Board Irrig. Power Publ. 94:24-27. Ref. Mar. 1969.
1121. CHO, M. S., and others. Effects of submergency due to heavy rains on the yield of paddy. (In Korean) J. Korean Soc. Crop Sci. 12:63-69, illus. Dec. 1972.
W. S. Kim, H. S. Cheon, and J. K. Lee, joint authors.
English summary.
1122. CORBETTA, G., and LEONZIO, M. Caratteristiche fisiche e chimiche delle acque nelle risaie Italiane. [Physical and chemical characteristics of waters in Italian rice fields.] Riso 23(Spec. No.):43-48, illus. n.d.
English summary.
1123. DANCETTE, C. Stades de sensibilite a la secheresse et influence des stress hydriques sur deux varietes tres differentes utilisées en riziculture pluviale. [Period of sensitivity to drought and influence of water stress on two varieties used in lowland rice culture.] Bambej, Centre National de la Recherche Agronomiques, Sept. 1974. 17 p., illus. Ref.
1124. DATTA, S. K., and SEN, P. K. Physiological studies on water relation of rice. In Symp. on Optimum Requirements and Utilisation of Water for Irrigated Crops. India Cent. Board Irrig. Power Publ. 94:139-140. Mar. 1969.

1125. DE DATTA, S. K., FAYE, F. G., and MALLICK, R. N. Soil-water relations in upland rice. (Paper presented at the Seminar on Soil Management and the Development Process in Tropical America, CIAT, Colombia, 1974). 20 p., illus., figs. Ref.
1126. FURUTA, T. Experimental studies on the downward percolation in layered soil. (In Japanese) Res. Bull. Fac. Agric. Gifu Univ. 35:1-59, illus. Ref. Feb. 1974.
English summary.
1127. GUPTA, S. N., and BHATTACHARYA, A. P. Water requirements of rice. In Symp. on Optimum Requirements and Utilisation of Water for Irrigated Crops. India Cent. Board Irrig. Power Publ. 94:5-14, illus. Mar. 1969.
1128. HUYNH TRUNG NGHIA, VO-TONG XUAN, and BOWERS, S. A. Water requirement of rice grown on clay soil as influenced by structure, water level, and fertility. In Colorado State Univ. Water Management Research Project, Annual report, 1973-74, p.79-89, illus. Fort Collins, Colorado, 1974.
1129. ISHIMARU, K. Pollution of agricultural irrigation water treatment of sewage and waste. (In Japanese) J. Agric. Sci. [Japan] 18(3/4):151-197, illus. Ref. Mar. 1974.
English summary.
Includes cultivation of rice in relation to water pollution.
1130. JAPAN. AGRICULTURE, FORESTRY AND FISHERIES RESEARCH COUNCIL. Influence of polluted water on rice plants. (In Japanese) Tokyo, 1974. 249 p., illus. (Kenkyu seika no.71)
1131. KALWAR, G. N. Water use and moisture stress effects in transplanted rice. College, Laguna, 1972. 76 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
1132. KANEGAWA, S., UMEKI, Y., and MAKI, S. Studies on water management in rice culture. II. Effect of water permeation through soil on concentration of inorganic components in leaf blades of rice plant. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 40:8-10, illus. Apr. 1974.
1133. KOSTENKOV, N. M. Dinamika zheleva v lizimetriceskikh i polivnykh vodakh risovykh polei. [Dynamics of iron in lysimetric and sprinkler waters of rice fields.] In Biologicheskie i meditsinskie issledovaniya na Dal'nem Vostoke, p.38-41, illus. 1971.
1134. KOSTENKOV, N. M. Soderzhanie kisloroda i serovodoroda v vodakh kulturnykh risovykh landshaftov yuga dal'nego vostoka. [Content of oxygen and hydrogen sulphide in the water of rice fields of the Far East.] Pochvovedenie 11:51-56, illus. Ref. 1974.
English summary.
1135. KRUPP, H. K., and BALAOING, S. N. Some effects of water stress on the growth and yield of IR22 rice. In Proc. First Scientific Meeting, Crop Science Society of the Philippines, College, Laguna, 1970, p.84-103, illus.
1136. MORAES, J. F. V. Efeitos da inundaçao do solo. II. Influencia sobre a absorçao de nutrientes e o crescimento do arroz (*Oriza sativa*). [Effects of soils flooding. II. Influence on nutrient uptake and growth of rice (*Oriza sativa*).] Pesq. Agropecuar. Brasil. Ser. Agron. 8(7):103-108, illus. Ref. 1973.
English summary.
1137. MORUNOVA, G. M., and BREUSOVA, L. I. Vliyanie razlichnoi vlogoemkosti peska i namachivaniya semyan risa na ikh vskhozhest'. [The effect of different water capacity of sand and soaking of rice seeds on their germination.] Sel. Semenovod. 2:58-59, illus. Mar./Apr. 1974.
1138. MOTA, F. S. DA, BEIRSDORF, M. I. C., and STEINMETZ, S. Estimativa da evapotranspiraçao potencial em arroz irrigado, para planejamento de projetos de irrigaçao, an regiào de Pelotas, RS. [Estimation of potential evapotranspiration in irrigated rice for planning of irrigation projects in the region of Pelotas, RS.] In An IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.92-96, illus.
1139. NAIR, R. R., and others. Note on the estimation of water requirement of rice by drum-culture technique. Indian J. Agric. Sci. 43(10):980-981. Oct. 1973, pub. 1974.
P. Suseelan, G. R. Pillai, P. N. Pisharody, and R. Gopalakrishnan, joint authors.
1140. NGUYEN PHU THIEN, and NGUYEN XUAN SON. Water requirement study of rice in Cantho, Vietnam. In Colorado State Univ. Water Management Research Project. Annual report, 1973-74, p.70-78, illus. Fort Collins, Colorado, 1974.
1141. NOGUCHI, H., and SHINHARA, K. Influence of soil water condition on cadmium absorption by paddy rice. 1-2. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 11:38-41; 48-51, illus. Aug. 1973.
1. Drainage treatment at the early stage of rice culture; 2. Distribution of cadmium in rice plant.

1142. NOMURA, Y. Fundamental studies on paddy field water consumption. II. Evapotranspiration variation of some crops. (In Japanese) Bull. Fac. Agric. Tottori Univ. 28:86-99, illus. Mar. 1974.
English summary.
1143. PETRASOVITS, I. Ontözött növényállományok vízfogyasztásának gyakorlati becslése. [Practical evaluation of water consumption by irrigated field crop.] Magy. Mezőgaz. 28(27):11, illus. July 4, 1973.
Rice and corn.
1144. TAKAI, Y., and others. Microbial mechanism of effects of water percolation on Eh, iron, and nitrogen transformation in the submerged paddy soils. Soil Sci. Plant Nutr. 20(1):33-45, illus. Ref. Mar. 1974.
H. Wada, H. Kagawa, and K. Kobo, joint authors.
1145. TOMAR, V. S. and GHILDYAL, B. P. Determination of water status of the rice plant. Indian J. Agric. Sci. 43(8):754-759, illus. Ref. Aug. 1973.
1146. TSAO, Y. S. A study on the computation and estimation of effective rainfall of paddy fields by computer programming. Int. Comm. Irrig. Drain. Tech. Mem. 1:295-313, illus. 1972.
French summary.
1147. VAMADEVAN, V. K. A critical evaluation of rice evapotranspiration studies in the world. Farm. J. [India] 15(4):18-21, illus. Ref. Feb. 1974.
1148. VAMADEVAN, V. K., MANNA, G. B., and PATI, R. N. Studies on flooding tolerance of rice. Farm J. [India] 15(3):13-15, illus. Jan. 1974.
1149. YOMOTA, A., YABE, K., and TEJIMA, S. Research on the water utilization for agriculture in the lower basins of the Yodogawa river and the Yamatogawa river. Bull. Univ. Osaka Prefect. Ser. B 28:7-19, illus. 1974.
Main water sources for rice production.

AGRONOMY

General

1150. AHMAD, N. Problems and possibilities of the rice crop in Trinidad. In Proc. Semin. 'Rice Growing - What are the Problems?', 1974, p.1-8. St. Augustine, Trinidad, University of the West Indies, 1974.
Discussion, p.9-10.
1151. AHN, S. B. The possibility of increasing the ripening of rice grains by improving management practices. (In Korean) J. Korean Soc. Crop Sci. 16:47-57, illus. Ref. Feb. 1974.
1152. ALESHIN, E. P. Peredovye priemy vozdelevaniya risa. [Leading techniques in cultivating rice.] Moskva, "Kolos", 1972. 152 p., illus.
1153. ALLISON, S. V. Characteristic of flooding in Bangladesh as related to cultivation of deepwater rice varieties. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 6 p., tables, figs.
1154. ALVAREZ, E. I., and DE DATTA, S. K. A technique for maintaining a constant soil moisture tension for studying drought tolerance in rice. In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.48-55, illus. Ref.
1155. ARASHI, K., and HIGASHI, T. An aspect of changes in the practice of paddy rice culture at Itoshima district in Fukuoka Prefecture since the middle Meiji Era. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 41:6-8, illus. July 1974.
1156. ARASHI, K. Past practices of paddy rice culture including direct sowing at Munakata district in Fukuoka Prefecture. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 41:11-12, illus. July 1974.
1157. ASWAPREECHA, N. Correlation between chalkiness on variety, location and fertilizer level. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.681-688, illus. Bangkok, 1974.
English summary.
1158. BAHR, W. Die Marismas des Guadalquivir und das Ebrodelta; zwei spanische Reisbaulandschaften. [The marshes of Guadalquivir and Ebro Delta; two Spanish rice landscapes.] Bonn, Ferd. Dummlers Verlag, 1972. 281 p., figs. Ref.
English and Spanish summaries.
1159. BANGLADESH RICE RESEARCH INSTITUTE. Deep water rice in Bangladesh. Dacca, 1974. 156 p., illus. Ref.

1160. BANGLADESH RICE RESEARCH INSTITUTE. DIVISION OF AGRONOMY. Programmes for aus, aman and boro, 1974-75. Dacca, n.d. 27 p.
1161. BANGLADESH RICE RESEARCH INSTITUTE. Report of the International Seminar on Deep Water Rice, 1974. Dacca, 1974. 27, iv p.
1162. BHATTARAI, A. N. A review of rice improvement in Kathmandu valley. *Nepalese J. Agric.* 4:47-57, illus. Ref. Feb. 1969.
1163. BIRK, A. Rice production at KATRIN in 1970/71. (Paper presented at the Annual Research Conference at KATRIN, Ifakara, Tanzania, 1972) 3 p., tables.
1164. BOSSHART, R. P., and KANTER, D. G. High yield rice production/Vietnam Rice Adaptive Research Project; annual report, 1 May 1973-15 October 1974. Saigon, n.d. 164 p., illus.
1165. BRAMMER, H. The potential for rainfed HYV rice cultivation in Bangladesh. *In* Pap. Workshop on Massive Production of HYV of Rice under Rainfed Condition in Bangladesh, 1974, p.30-76, illus. Dacca, Bangladesh Rice Research Institute, 1974.
1166. CABALLERO O., F. B., and PAREDES G., J. Resultados de los experimentos de agronomia en el valle del Chira - 1970. [Results of agronomic experiments in the Chira Valley - 1970.] *Inf. Tec. Programa Nac. Arroz Peru* 53:13 p., illus. 1971.
1167. CALAVAN, M. M. Decisions against nature: crop choice in northern Thai village. Urbana, Ill., 1974. 331 p., illus. Ref.
Thesis (Ph.D.)--University of Illinois at Urbana-Champaign.
Abstract in *Diss. Abstr. Int.* A 35(1):8-A. July 1974.
Includes strategies in rice cultivation.
1168. CELTON, J. L'apport de la recherche agronomique a l'intensification de la riziculture malgache. [Contribution of the agronomic research in the intensification of Malagasy rice culture.] *In* *Inst. Rech. Agron. Trop. Cult. Vivr. L'IRAT et le riz pluvial*, Fasc. 2, p.755-759, illus. Paris, Dec. 1974.
1169. CELTON, J. L'intensification de la riziculture a Madagascar. [The intensification of rice growing in Madagascar.] *In* *Inst. Rech. Agron. Trop. Cult. Vivr. L'IRAT et le riz pluvial*, Fasc. 2, p.521-528, illus. Paris, Dec. 1974.
English summary.
1170. CENTRAL AGRICULTURAL RESEARCH INSTITUTE, SRI LANKA. Rice cultivation in a fertilizer shortage situation. Peradeniya, June 1974. 110 p., illus.
1171. CHABROLIN, R. Contribution de l'IRAT a l'amelioration des varietes de riz pluvial. [IRAT contributions to the improvement of rainfed rice.] *Agron. Trop.* [France] 29(10):1016-1028, illus. Ref. Oct. 1974.
English and Spanish summaries.
1172. CHABROLIN, R. Rice research in West Africa. *In* *Inst. Rech. Agron. Trop. Cult. Vivr. L'IRAT et le riz pluvial*, Fasc. 2, p.785-850. Ref. Paris, Dec. 1974.
1173. CHANCELLOR, W. J., and CERVINKA, V. Timeliness coefficients for rice and factors affecting their value. *Trans. ASAE* 17(5):841-844, illus. Ref. Sept./Oct. 1974.
1174. CHUGOKU NATIONAL AGRICULTURAL EXPERIMENT STATION. Literature list on direct sowing culture of rice. (In Japanese) Hiroshima, 1974. 90 p., illus.
1175. CLAMPETT, W. S. Getting the best out of long grain. *Farmers' Newsl. Large Area* 91:10-12. July 1974.
1176. CROP production strategy in rainfed areas under different weather conditions. *Indian Farming* 24(3):7-9, 11-15, 17-19, 21-23, 25-29, 31-32, illus. June 1974.
1177. DARGAN, K. S., ABROL, I. P., and BHUMBLA, D. R. Performance of rice varieties in a highly saline sodio soil as influenced by plant population. *Agron. J.* 66(2):279-280, illus. Mar./Apr. 1974.
1178. DATTA, S. K., and BANERJI, B. Germination and seedling growth of rice varieties under high depth of submergence. *Curr. Sci.* 43(9):287-288, illus. May 5, 1974.
1179. DATTA, S. K., and BANERJI, B. A preliminary report on the flood tolerance of rice varieties under varying levels of nitrogen. *Sci. Cult.* 40(5):201-203, illus. May 1974.
1180. DAVIDSON, T. C. Ecological dynamics of two Costa Rican marshes in relation to rice cultivation. Tempe, Arizona, 1974. 192 p., illus. Ref.
Thesis (Ph.D.)--Arizona State University.
Abstract in *Diss. Abstr. Int.* B 34(7):3204-B-3205-B. Jan. 1974.

1181. DE, R. Development of agronomic practices for unfavourable rainfed conditions. *FAO Inf. Bull. Near East Proj. Cereal Impr. Prod.* 11(3):9-14, illus. 1974.
1182. DE DATTA, S. K., KHUSH, G. S., and COFFMAN, W. R. Evaluation of lowland selections for upland conditions. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 8 p. Ref.
1183. DE DATTA, S. K. Varietal performance in upland rice in the Philippines. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 5 p., fig., tables.
1184. DELVERT, J. Un projet de classement des types de riziculture. [Project of classification of the types of rice culture.] *Bull. Assoc. Geogr. Fr.* 51(419):269-270. July 1974.
1185. DEVASUNDRARAJAH, N. Land preparation and water management requirements for broadcast-seeded flooded rice (*Oryza sativa* L.). Ithaca, N. Y., 1971. 107 p., illus. Ref.
Thesis (M.S.)--Cornell University.
1186. DIKSHIT, N. N., and GUPTA, R. S. Rainfed areas can yield more paddy. *Indian Farming* 24(1):15-18, illus. Apr. 1974.
1187. DREYFUS A., R. Mesa redonda sobre el cultivo de arroz en Jaen y Bagua. [Round table discussion on rice cultivation in Jaen and Bagua.] *Arroz [Peru]* 8(42):4-6. Feb./Apr. 1974.
1188. DUARA, B. N. Deep water rice of Assam State. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 11 p. Ref.
1189. ESTAÇÃO EXPERIMENTAL DO ARROZ DO IRGA. Melhoramento do arroz. [Improvement of rice.] *Lav. Arroz.* 27 (279):20-21, illus. May/June 1974.
1190. EUNUS, MD. Deep water rice in Bangladesh. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 4 p.
1191. FALLA M., A., and GAVIDIA O., A. Efecto de la época de siembra y fertilización nitrogenada en la calidad molinera de tres cultivares de arroz (*Oryza sativa* L.). [Effect of sowing date and nitrogen fertilization on the milling quality of three varieties of rice (*Oryza sativa* L.).] *Arroz [Peru]* 8(41):41-44, illus. Ref. Dec. 1973/Jan. 1974.
1192. FANKHAUSER, F. A small development project in northern Thailand. *AMA [Agric. Mech. Asia]* 5(1):35-36, illus. Summer 1974.
Rice growing.
1193. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Development of rice growing in the Rewa River Basin, Fiji. Agronomy and production economics, based on the work of F. B. Brown and M. Laure. Rome, 1972. 53 p., illus. (AGS:SF/FLJ 3, Tech. Rep. 4)
1194. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Developpement de la riziculture: Guinee. [Development of rice culture: Guinea.] Rome, 1973. 33 p., illus.
1195. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. REGIONAL OFFICE FOR ASIA AND THE FAR EAST. Report of the International Seminar on Deep Water Rice, August 21-26, 1974. *Int. Rice Comm. Newsl. Spec. Issue*, 33 p. 1974.
1196. FOOTE, R. J. Coastal lowland regions: recommended crops from the ERS Bolton Study by soil types and related material. Saigon, U.S. Agency for Economic Development, Aug. 1973. 33 p., illus.
1197. FOOTE, R. J. Delta region: recommended crops from the ERS Bolton Study by soil types and related material. Saigon, U.S. Agency for International Development, Aug. 1973. 21 p., illus.
1198. FOOTE, R. J. Eastern region: recommended crops from the ERS Bolton Study by soil types and related material. Saigon, U.S. Agency for International Development, Aug. 1973. 15 p., illus.
1199. FOOTE, R. J. Highland region: recommended crops from the ERS Bolton Study by soil types and related material. Saigon, U.S. Agency for International Development, Aug. 1973. 12 p., illus.
1200. FUKUI, H. An agro-environmental study of the Vietnamese part of the Mekong Delta. *Southeast Asian Stud.* 12(2):157-176, illus. Ref. Sept. 1974.
1201. FUKUI, H. Environmental determinants affecting the potential productivity of rice - a case study of the Chao Phraya River basin of Thailand. Kyoto, 1973. 179 p., illus. Ref.
Thesis (D. Agr.)--Kyoto University.
1202. GARCIA PAREDES, J. El cultivo del arroz en el noroeste y sus problemas agronómicos. [Rice growing in north-western regions and its economic problems.] *Mex. Agric.* 19(223):39-46, illus. Sept. 1972.

1203. GOMEZ, K. A., and PALANISWAMY, K. M. Variability in leaf area of rice. *Exp. Agric.* 10(3):169-175, illus. Ref. July 1974.
1204. GONCALVES, M. M., and others. Melhoramento da cultura do arroz em Timor: introdução e selecção de variedades e primeiros ensaios de adubação. [Improvement of rice culture in Timor: introduction and selection of varieties and initial trials on fertilization.] Lisboa, Missao de Estudos Agronomicos do Ultramar, 1974. 52 p., illus. Ref. A. P. S. Cardoso, Nheu Sui Slong, and Mu Si Min, joint authors.
1205. GUBANOV, P. E., and PAK, V. N. Vozdelyvanie risa v Kalmykskoi ASSR. [Cultivation of rice in the Kalmyk ASSR coasts.] *Gidrotekh Melior.* 11:77-79. Nov. 1973.
1206. HASANUZZAMAN, S. M. Cultivation of deep water rice in Bangladesh. *In Bangladesh Rice Research Institute. Deep water rice in Bangladesh*, p.22-44, illus. Dacca, Aug. 1974.
1207. HILL, R. D. Peasant rice cultivation systems with some Malaysian examples. *Geogr. Polon.* 19:91-98, illus. Ref. 1970.
1208. HIMEDA, M., and others. Present status of direct sowing culture of rice - the farm works and cultural methods in Saitama and Gunma Prefectures. (In Japanese) *Farm Work Res.* 19:33-39, illus. 1973. Y. Uemura, H. Chisaka, N. Kuramoto, and I. Ishiwaki, joint authors.
1209. HIMEDA, S., and others. Questionnaire study on the direct sowing culture of rice in Saitama Prefecture. (In Japanese) *Vocat. Agric.* 21(1):21-26, illus. June 1973. H. Hirose, T. Kaneko, S. Matsumoto, and H. Nakano, joint authors. English summary.
1210. HOOPPER, J. R. Possibilities of increasing rice production in rainfed areas of Central Luzon, Philippines. Gainesville, Florida, 1974. 199 p., illus. Ref. Thesis (M.S.)--University of Florida.
1211. HOSHINO, T. Competition among crop varieties in fields. (In Japanese) *Agric. Hortic.* 49(10):1207-1212, illus. Ref. Oct. 1974.
1212. HUSSAIN, A., and REDDY, P. R. Influence of sowing depth, soil compaction and rate of imbibition by caryopsis and seed hardness on seedling growth of upland rice. *Indian J. Agric. Sci.* 43(10):942-945, illus. Oct. 1973, pub. 1974.
1213. IANNELLI, P. L'orzo nel mezzogiorno interessanti prospettive per i "distici". [The culture of rice Southern Italy.] *Ital. Agric.* 110(2):225-246, illus. Ref. Feb. 1973.
1214. KEDA, M. Agriculture in Mekong delta. (In Japanese) *Rep. Kyushu Br. Crop Sci. Soc. Japan* 41:34-35, illus. July 1974.
1215. INOUE, S. A method for analysis of factors which govern productivity of paddy rice. (In Japanese) *Vocat. Agric.* 21(2):57-62, illus. Sept. 1973. English summary.
1216. INSTITUT DE RECHERCHES AGRONOMIQUES TROPICALES ET DES CULTURES VIVRIERES. Les recherches rizicoles a l'IRAT/Cote d'Ivoire. [Rice researches at IRAT/Ivory Coast.] *In Its L'IRAT et le riz pluvial*, Faso. 2, p. 499-519. Paris, Dec. 1974.
1217. INSTITUT DE RECHERCHES AGRONOMIQUES TROPICALES ET DES CULTURES VIVRIERES. Les recherches rizicoles a l'IRAT; resultats acquis - orientations. [Rice researches at IRAT; results obtained - orientations.] *In Its L'IRAT et le riz pluvial*, Fasc. 2, p.707-754. Paris, Dec. 1974.
1218. INTERNATIONAL INSTITUTE FOR TROPICAL AGRICULTURE. FARMING SYSTEMS PROGRAM. 1973 report. Ibadan, Nigeria, n.d. 82 p., illus.
1219. INTERNATIONAL RICE RESEARCH INSTITUTE. Planting rice. Los Baños, Laguna, 1974. 9 p., illus. (Tropical Rice Grower's Handbook)
1220. IYAMA, J. Cultural method of paddy rice using coated seeds. (In Japanese) *Agric. Hortic.* 49(5):656, illus. May 1974.
1221. JAPAN. FOOD AGENCY. Table showing investigation results regarding non-glutinous paddy rice planting conditions classified by varieties in 1972. (In Japanese) Tokyo, 1972. 193 p., illus.
1222. JINDAL, V. K., and SAINI, S. S. The relationship between grain yield and associated characters in rice. *Agric. Agro-ind. J.* 5(12):12-13, illus. Dec. 1972.
1223. KANAZAWA, N. The logic of rice culture in Japan. (In Japanese) Tokyo, Tokyo University Press, 1974. 301 p., illus.

1224. KANTER, D. G., and VO-TONG XUAN. Deep water rice in Vietnam: current practices and prospects for improvement. Part II: Prospects for improvement. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 8 p.
1225. KASSAM, A. H., and KOWAL, J. M. Productivity of crops in the Savanna and rain forest zones in Nigeria. *Samaru Res. Bull.* (Ahmadu Bello Univ.) 202:39-49, illus. 1973.
1226. KAWATA, S. Problems in crop cultivation. 23. (In Japanese) *Agric. Hortic.* 48(10):1373-1378, illus. Ref. Oct. 1973.
1227. KAWATA, S. Problems of crop cultivation. 27. Review and prospect. (In Japanese) *Agric. Hortic.* 49(3):453-457, illus. Mar. 1974.
1228. KHALIL, A. R., and others. Optimum plot size and shape in field trials. II. Paddy and broad bean. *Agric. Res. Rev.* [U.A.R.] 51(6):115-122, illus. Ref. Nov. 1973.
A. M. Kasdy, H. A. Abou-El-Fittouh, T. M. El Gamal, and F. M. El-Rayes, joint authors.
1229. KHAN, E. J. A. Improved methods of rice production in Ghana. *Ghana Farmer* 15(1):23-27, illus. June 1971.
1230. KITSUTAKA, A. Rice culture situation in Malaysia. (In Japanese) *Nettai Noken Shuho* 24:30-35, illus. Feb. 1974.
1231. KIYOHARA, E., CHIBA, M., and TAKANO, F. Improvement of rice quality in Southern part of Iwate Prefecture; Method of fertilizer application and reaping time. (In Japanese) *Tohoku Agric. Res.* 15:147-148, illus. Apr. 1974.
1232. KODA, M. Consideration on the variation of rice plant yield in Niigata Prefecture. (In Japanese) *J. Niigata Agric. Exp. Stn.* 22:54-61, illus. June 1973.
English summary.
1233. KOGOUCHI, H., and DATE, I. Development of the vinyl house cooperation on the paddy field. (In Japanese) *Bull. Mie Agric. Tech. Cent.* 2:6-15, illus. Mar. 1973.
1234. KON, T., SEKI, K., and KUMANO, S. Studies on the growth regulation of rice plant by water control and fertilizer application. 4. Effects of groundwater-level, compost and nitrogen application on the top-root ratio of rice. (In Japanese) *Rep. Tohoku Br. Crop Sci. Soc. Japan* 16:26-27, illus. Mar. 1974.
1235. KUNITAKE, M. Recent status of rice productivity and grain quality in Niigata Prefecture. (In Japanese) *Proc. Hokuriku Br. Crop Sci. Soc. Japan* 7:14-16, illus. Mar. 1972.
1236. KUROSAKA, A. Fertility of rice by different cultivation methods. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 70:27-29, illus. July 1974.
1237. LEAL MONSALVE, D., CORAL SILVA, C., and NIETO SOLANO, J. Diagnostico sobre el cultivo del arroz en el departamento del Meta. [Diagnosis on rice cultivation in Meta province.] Villavicencio, Instituto Colombiano Agropecuario, Regional 8, 1974. 28 p., illus. Ref.
1238. LEE, J. H. Studies on direct sowing-dry paddy rice culture in the middle part of Korea. (In Korean) *J. Korean Crop Sci. Soc.* 7(1):1-29, illus. Ref. Dec. 1969.
English summary.
1239. LIMA, G. A. Cultura do arroz. [Rice culture.] Fortaleza, Universidad Federal do Ceara, 1973. 138 p., illus.
1240. MAEKAWA, S. Consideration on inland rice cultivation in Doto and Kitami districts; in the case of application of linear programming method. (In Japanese) *Nogyo Keisei Tsushin* 91:4-7, illus. Mar. 1972.
1241. MALLICK, R. N. Interaction between soil moisture regime and nitrogen level in upland rice. College, Laguna, 1972. 95 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
1242. MAURYA, D. M. Concept of flood and flood resistance in rice. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 22 p., illus.
1243. MAYER, J., and BONNEFOND, R. Les rizicultures paysannes; amelioration possibles. [Peasant rice culture; possible improvement.] Paris, Secretariat d'Etat aux Affaires Etrangeres, 1973. 216 p., illus. Ref.
1244. MEL'NIK, M. M. Risovye sistemy v nizov'yakh r. Bolgi. [Rice systems in the lowlands of the Volga River.] *Gidrotekh. Mellor.* 11:50-53, illus. Nov. 1973.
1245. MIAH, A. L. Feasibility of cultivation of high yielding cultivars of rice under rainfed condition in Bangladesh. In *Pap. Workshop on Massive Production of HYV of Rice under Rainfed Condition in Bangladesh, 1974*, p.107-113, illus. Dacca, Bangladesh Rice Research Institute, 1974.

1246. MICHAELIS, S. *Über den reisenbau in der Kubanniederung (Kreis Krasnodar/UdSSR). [On the cultivation of rice in the Kuban lowland (Krasnodar district/U.S.S.R.)]* Beitr. Trop. Subtrop. Landwirtsch. Tropenveterinarmed. 10(3):225-234, illus. 1972.
English, French and Spanish summaries.
1247. MINABE, M. *Promising outlook in the development of electronic culture.* (In Japanese) Hokuriku Crop Sci. 8:39-48, illus. 1973, pub. Mar. 1974.
English summary.
1248. MIYATA, Y. *Rice cultivating people; examples by the individuals and agricultural group of the Emperor's Rice Cup Award winners.* (In Japanese) Osaka, Fumin Kyokai, 1969. 182 p.
1249. MIYAZAKI, H., and others. *Annual changes in continual direct sowing culture of paddy rice on non-tillage field.* (In Japanese) Bull. Mie Agric. Tech. Cent. 1:18-23, illus. Mar. 1972.
N. Miyamoto, T. Ida, and Y. Kawanami, joint authors.
1250. MIYOSHI, H. *Rice cultivation and paddy soil productivity. Present status of rice cultivation in Chiba Prefecture.* (In Japanese) Nogyo Gijutsu 29(4):241-246, illus. June 1974.
1251. MIZUNO, Y., SASAKI, S., and KAMATA, K. *Cultural method of good quality and high yielding variety of rice in Akita Prefecture.* (In Japanese) Tohoku Agric. Res. 15:138-141, illus. Apr. 1974.
1252. MORI, Y. *Studies on the broadcasting culture of paddy rice on the semi ill-drained paddy fields. 1. On the improved systems of tilling and sowing during the rainy season.* (In Japanese) Bull. Hiroshima Prefect. Agric. Exp. Stn. 35:1-10, illus. Ref. Dec. 1974.
English summary.
1253. MORIYA, K., and FUKADA, K. *A view on the growth habits and yield abilities of short height and tillering habit varieties of rice in Kagoshima Prefecture.* (In Japanese) Bull. Kagoshima Agric. Exp. Stn. 2:1-11, illus. Ref. Mar. 1974.
English summary.
1254. MUKHERJI, D. K. *Problems of deep-water rice cultivation in West Bengal and possibilities for evolving better varieties.* (Paper presented at the International Seminar on Deep Water Rice, Bangladesh, BRRI, 1974) 14, 2 p., illus. Ref.
1255. MURALIDHARAN, V. K., PATEL, N. P., and REDDY, N. *Dry-land rice field experiments 1969-1972.* Fiji Agric. J. 36(1):13-19, illus. Jan.-June 1974.
1256. NAKAMURA, H., INOUYE, J., and ITO, K. *Studies on the shattering habit of seeds in field crops--On the relation between tensile and bending strength indicating the shattering habit of rice plants.* (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 41:15-16, illus. July 1974.
1257. NAKATANI, H. *Relation among agronomic conditions, yield and quality of rice. I. Effect of transplanting time on yield and quality of rice grain.* (In Japanese) Proc. Hokuriku Br. Crop Sci. Soc. Japan 7:1-2, illus. Mar. 1972.
1258. NAKAYAMA, H. *Characteristics of growing rice in Hokuriku district and their elemental analysis. 2. Discussion on the early growing rice after transplanting.* (In Japanese) Hokuriku Crop Sci. 8:37-38, illus. 1973, pub. Mar. 1974.
1259. NATORI, T., and others. *Investigation into the zone of good quality rice in Buzen and Keichiku District in Fukuoka Prefecture.* (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 11:9-13, illus. Aug. 1973.
S. Nakamura, H. Ide, and T. Nagao, joint authors.
1260. NEPAL. DEPT. OF AGRICULTURE EDUCATION AND RESEARCH. *Coordinated rice programme, 1972.* Nepal, n.d. 91 p., illus.
1261. NEPAL. DEPT. OF AGRICULTURE EDUCATION AND RESEARCH. *Results of experiments on co-ordinated rice programme, 1971.* Nepal, n.d. 106 p., illus.
1262. NISHIUCHI, M. *Reflection on rice and its culture in Japan.* (In Japanese) Proc. Kinki Symp. Crop Sci. Plant Breed. Soc. 16:47-49. Mar. 1971.
1263. NODA, M., FUJITA, Y., and KIMURA, K. *On the cultivation of rice varieties as a forage crop.* (In Japanese) Hokuriku Crop Sci. 8:22-24, illus. 1973, pub. Mar. 1974.
1264. NODA, M. *Rice varieties and cultivation for feed.* (In Japanese) Agric. Hort. 49(6):758-762, illus. June 1974.
1265. NONOMURA, T., NAKAMURA, H., and YAMAMOTO, Y. *Effect of cultural conditions upon the protein contents in rice.* (In Japanese) Sci. Rep. Shiga Prefect. Jr. Coll. 15:59-64, illus. Ref. Mar. 1974.
1266. NOORSJAMSI, H., and HIDAYAT, O. O. *The tidal swamp rice culture in South Kalimantan.* Contr. Cent. Res. Inst. Agric. Bogor 10, 18 p., illus. Ref. 1974.
Indonesian summary.
Also presented at the International Seminar on Deep Water Rice, Bangladesh, BRRI, 1974.

1267. OGASAWARA, A. Crop scientific studies on rice productivity in Shonai plain. (In Japanese) Yamagata Prefectural Agricultural Experiment Station, 1974. 53 p., illus. Ref. (Tokubetsu kenkyu hokoku No.11)
1268. OGAWA, S. Direct sowing culture of rice plant. (In Japanese) Zasso to Sono Bojo 10:36-38, illus. Mar. 1972.
1269. OHASHI, T. Rice cultivation and measures for soil productivity in Gifu Prefecture. (In Japanese) Nogyo Gijutsu 29 (8):347-351, illus. Aug. 1974.
1270. OSMANCAOGLU, M. N. Rice growing in Amasya. (In Turkish) Pancar 256:40-43. Jan. 1974.
1271. OTA, T. Minimum conditions in rice cultivation without lowering present days yield level. (In Japanese) Nogyo Gijutsu 29(1):1-6, illus. Jan. 1974.
1272. PALANISWAMY, K. M., and GOMEZ, K. A. Length-width method for estimating leaf area of rice. Agron. J. 66 (3):430-433, illus. Ref. May/June 1974.
1273. PANKRATOV, N. Kombinirovannyi agregat dlya vosdelyvaniya risa. [Complex unit for rice growing.] Tekh. Sel'skom. Khoz. 3:84, illus. Mar. 1973.
1274. PATEL, H. S., RATHOD, K. L., and SHUKLA, V. P. Demarcation of and instability in dry farming areas of Madhya Pradesh. JNKVV (Jawaharlal Nehru Krishi Vishwa Vidyalaya) Res. J. 7(4):225-228, illus. Oct. 1973.
1275. PHAM-HOANG-HO, and THAI-CONG-TUNG. The Mekong Delta: its environment and its problems. Saigon, Directorate of Agricultural Economics, Ministry of Agriculture, 1974. 78 p., illus. Ref. Rice, p.26-37.
1276. PROGRAMA NACIONAL DE ARROZ (PERU). Recomendaciones para el cultivo de arroz en el Valle de Jequetepeque. [Recommendations for the cultivation of rice in Jequetepeque Valley.] Lambayeque, Feb. 1970. 8 p. (Bol. Ext. Arroc. No.2)
IR8, IR5, Minabir, Minagra, Mochica, etc.
1277. PROGRAMA NACIONAL DE ARROZ (PERU). Recomendaciones para el cultivo de arroz en la Zona de Jaen-Bagua. [Recommendations for the cultivation of rice in Jaen-Bagua zone.] Lambayeque, Mar. 1970. 8 p. (Bol. Ext. Arroc. no.4)
IR8, IR5, Radin China.
1278. PROGRAMA NACIONAL DE ARROZ (PERU). Recomendaciones para el cultivo de las variedades - IR8. [Recommendations for the cultivation of varieties - IR8.] Lambayeque, 1970. 5 p. (Bol. Ext. Arroc. No.1)
1279. PROGRAMA NACIONAL DE ARROZ (PERU). Recomendaciones para el cultivo de las variedades IR5, IR8 en los Departamentos de Piura y Tumbes. [Recommendations for the cultivation of varieties IR5, IR8, in the provinces of Piura and Tumbes.] Lambayeque, Mar. 1970. 6 p. (Bol. Ext. Arroc. No.3)
1280. PURNARIKSHA, R. Irrigated agricultural projects in the Mekong Basin. In Irrigated agriculture in northern Thailand, p.136-144. New York, Agricultural Development Council, 1974.
1281. PUSAT LATEHAN PERTANIAN LUNDANG. Tanaman padi. [Rice growing.] Kuala Lumpur, Kementerian Pertanian dan Perikanan, 1972. 17 p., illus. (Malaysia. Ministry of Agriculture and Fisheries. Risalahpertanian no.65)
1282. PUSHPAVESA, S. Summary report on 1973 inter-station lowland rice yield trials. Bangkok, Rice Division, Dept. of Agriculture, n.d. 61 p., illus.
1283. REMY P., J. Arroz en Ecuador. [Rice in Ecuador.] Arroz [Peru] 8(42):31. Feb./Apr. 1974.
1284. RICE experimental results of the first crop of 1973 by the Chinese Agricultural Mission to Salvador. (In Chinese) Int. Tech. Coop. Bull. 111/112:28-29, illus. June 1974.
Includes IRRI varieties.
1285. RICE production in Uruguay. (In Chinese) Int. Tech. Coop. Bull. 114:39, illus. Sept. 1974.
1286. ROSEMO MORAN, M. J. El cultivo del arroz. [Rice cultivation.] Bogota, Instituto Colombiano Agropecuario, 1974. 55 p., illus. Ref. (Manual de Asistencia Tecnica, No.9)
1287. ROSS, V. E. Historical development of the IRRI-NFAC cooperative rainfed and upland rice applied research project. (Paper presented at the Agricultural Education Conference I - Strategies for Agricultural Education, Italy, 1974) 42 p., illus.
1288. ROY, A. C. Soil characteristics and fertilizer response in the cultivation of deep water rice in Bangladesh. In Bangladesh Rice Research Institute. Deep water rice in Bangladesh, p.68-101, illus. Dacca, Aug. 1974.

1289. ROZIN, S. IA., MATIUSHENKO, B. T., and KOLESNICHENKO, G. S. Prichiny chastichnoi gibeli risa na risovykh sistemakh Kryma i ikh ustranenie. [Reasons for partial losses in rice systems for the Crimea and their eliminations.] *Gidrotekh. Melior.* 9:58-63, illus. Sept. 1973.
1290. SAMBASIVA RAO, C., and NARAYANA REDDY, S. Studies on the yield and yield components of IR-20 and CO-29 rice varieties at different levels of 'N' and 'P'. *Andhra Agric. J.* 19(3/4):71-76, illus. May-June/July-Aug. 1972.
1291. SANCHEZ NEIRA, P. Resultados de pruebas regionales de variedades en condiciones de riego en tres zonas ecológicas de Colombia. [Results of regional variety trials in lowland conditions in three ecological zones in Colombia.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974*, p.24-33, illus.
1292. SANDHU, J. S., SAINI, S. S., and GILL, K. S. Tiller angle of some rice varieties under different spacings and fertility levels. *Indian J. Genet. Plant Breed.* 33(2):180-182, illus. July 1973.
1293. SANTOS MENDES, F. DOS. Arroz irrigado nas ilhas do Aquiqui. [Irrigated rice in the Isles of Aquiqui.] *Lav. Arroz.* 27(284):27-31, illus. Nov./Dec. 1974.
1294. SASAKI, T., TAKEDA, S., and TAKAHASHI, S. Growth regulation by clipping tillers of transplanted young rice seedlings. (In Japanese) *Tohoku Agric. Res.* 15:124-126, illus. Apr. 1974.
1295. SEETANUN, W. Milling and seed qualities, and protein content of rice as affected by times of harvest and nitrogen application. College, Laguna, 1971. 113 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
1296. SEN, J. L. Country report on deep water rice cultivation in Bangladesh. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 12 p.
1297. SETABUTARA, C., PRECHACHART, C., and JACKSON, B. R. Seedling studies of floating rice varieties from different countries grown under water conditions in Thailand. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 11 p., illus.
1298. SHASTRY, S. V. S., FREEMAN, W. H., and PILLAI, K. G. New rice varieties need rational management for optimum yields. *Yojana* 18(2):33-36, illus. Feb. 15, 1974.
1299. SHASTRY, S. V. S. Rabi and summer rices. *Indian Farming* 24(8):43, 45-46, illus. Nov. 1974.
1300. SHUKLA, G. C. Effect of seed and nitrogen rates on the yield and plant ancillary characteristics of a new high yielding variety of rice in Guyana. *Int. Rice Comm. Newsl.* 23(1):29-40, illus. Ref. Mar. 1974.
Variety R.
1301. SINGH, A., and PAL, R. A. A note on the response of transplanted rice to nitrogen and water management practices. *Indian J. Agron.* 18(3):376-377, illus. Sept. 1973.
1302. SINGH, S. P., and SINGH, V. Effect of different levels of nitrogen, plant population and different water regimes on grain yield of rice variety Ja.muna. *Indian J. Agron.* 18(3):445-449, illus. Dec. 1973.
1303. SMITH, J. E. Increasing production in the Delta. *Rice J.* 77(7):58-59. July 1974.
Rice production in the Mississippi Delta.
1304. SOUTH CHAD IRRIGATION PILOT PROJECT. Agronomy report, rice season 1972. Maiduguri, Nigeria, Ministry of Natural Resources, Irrigation Division, 1973. 10 p., appendices, photographs.
1305. SOUTH CHAD IRRIGATION PILOT PROJECT. Agronomy report, rice season 1973. Maiduguri, Nigeria, Ministry of Natural Resources, Irrigation Division, 1974. 20 p., appendix.
1306. SOUZA, D. M. DE. Upland yield trial in central part of Brazil. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 9 p., illus.
1307. SRI LANKA. DEPT. OF AGRICULTURE. RESEARCH DIVISION. Report of the Co-ordinated Rice Varietal Trial Programme, Yala 1973. Vol. III - Medium aged varieties, 4-4½ months. Peradeniya, 1974. Various pagings.
1308. STEELE, P. J. B. The pattern of agriculture in Angola. *World Crops* 26(1):30-33, illus. Jan./Feb. 1974.
1309. SUGIMOTO, K., SASIPRAPA, V., and BANGLIANG, S. The report of the joint-research work on "Irrigation and fertilization effects on upland crops". Tokyo, Tropical Agriculture Research Center, June 1974. 47 p., illus. Ref.

1310. TADA, H. Development of traditional rice cultivation method in North India. (In Japanese) *Ajia Keizai* 15(9):54-63, illus. Sept. 1974.
1311. TAKAGI, K., SUGIMOTO, S., and AZUMA, Y. Developing investigations on plastic seeding-mulching machine. (In Japanese) *J. Cent. Agric. Exp. Stn. [Japan]* 20:137-169, illus. Ref. Mar. 1974.
English summary.
1312. TAKAYA, Y., and MATSUMOTO, E. "Fai" and "Bo" type rice culture on the marginal plain of Thailand. *Southeast Asian Stud.* 11(4):507-511, illus. Mar. 1974.
1313. TORO S., E., and GAVIDIA O., A. Efecto de la época de siembra y fertilización nitrogenada en el rendimiento y en el índice de área foliar de tres cultivares de arroz (*Oryza sativa* L.). [Effect of sowing time and nitrogen fertilization on the yield and leaf area index of three varieties of rice (*Oryza sativa* L.).] *Arroz [Peru]* 8(42):42-46, illus. Ref. Feb./Apr. 1974.
IR8, Naylamp and Minabir 2 varieties.
1314. TSUZUKI, E., and JINNO, H. Estimation of the suitable heading time in the main region of rice cultivation in Nagasaki Prefecture. (In Japanese) *Rep. Kyushu Br. Crop Sci. Soc. Japan* 40:11-13, illus. Apr. 1974.
1315. TULIAKOVA, Z. F. Ris na zasolennykh zemliakh. [Rice in saline soils.] Moskva, "Kolos", 1971. 176 p., illus. Ref.
1316. U SAN KHO. Kurshchenie i produktivnost' obraztsov razlichnykh geograficheskikh grupp risa. [Tillering and productivity of samples of different geographical groups of rice.] *Byull. Vses. Ord. Lenina Inst. Rast. Imeni N. I. Vavilova* 37:39-43, illus. 1974.
1317. U SAN KHO. Ob'ektivnyi metod otsenki osypaemosti zerna risa. [An objective method for the evaluation of rice seed shedding.] *Byull. Vses. Ord. Lenina Inst. Rast. Imeni N. I. Vavilova* 33:42-44, illus. 1973.
1318. UEMURA, Y., and MIYASAKA, A. Studies on the causes of rice yield decrease resulting from continual direct sowing culture. III. In relation to the nitrogen supplying potentiality of soil. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(2):174-179, illus. Ref. June 1974.
English summary.
1319. VALLEE, G. Des essais techniques culturales en appui a l'Operation Riz Mopti, campagne 1972; rapport analytique. [Cultural technique trials in support of Operation Mopti Rice, campaign 1972; analytic report.] Mopti, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres, n.d. 38 p.
1320. VARGAS D., J. Resultados de pruebas regionales de variedades en secano. [Results of regional trials of upland varieties.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz*, 1974, p.44-48, illus.
1321. VARGAZ Z., J. P. Resultados de pruebas regionales de variedades de arroz de riego en la Meta. [Results of regional trials of lowland rice varieties in Meta.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz*, 1974, p.34-43, illus.
Includes discussion.
1322. VIETNAM. AGRONOMY SERVICE. Experiment program on rice, field crops and fruit trees. Saigon, 1972. 120 p., appendices.
1323. VIEWEG, B. Agronomic aspects of rainfed and irrigated rice. I. Time of sowing. (Paper presented at the Annual Research Conference at KATRIN, Ifakara, Tanzania, 1972) 7 p., illus.
1324. VIEWEG, B., WILMS, W., and BIRK, A. Agronomic aspects of rainfed and irrigated rice. II. Response to fertilizer application. (Paper presented at the Annual Research Conference at KATRIN, Ifakara, Tanzania, 1972) 14 p., illus.
1325. VO-TONG XUAN, and KANTER, D. G. Deep water rice in Vietnam: current practices and prospects for improvement. Part I: Current practices. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 8 p.
1326. WALLIN, D. E. First six weeks vital for rice crops. *Ricemill News* 10(6):14. June/July 1974.
1327. WANG, W. F. Rice cultural experiments by the agricultural mission to the Dominican Republic in 1973. I. (In Chinese) *Int. Tech. Coop. Bull.* 116:20-29, illus. Nov. 1974.
1328. WEST AFRICA RICE DEVELOPMENT ASSOCIATION. Coordinated trials: proposed 1975 budget. [Monrovia, 1974] 33, 12 p., illus.
1329. WILHELMY, H. Studies in rice cultivation in South-East Asia. *Appl. Sci. Dev.* 2:65-84. 1973.
1330. WU, T. Y. Report on the technical mission to Niger. (In Chinese) *Int. Tech. Coop. Bull.* 110:24-35, illus. Apr. 1974.

1331. YAMANAKA, I., and others. On the habitual technique of rice culture in Chiba Prefecture. (In Japanese) *Vocat. Agric.* 22(1/2):28-32, illus. Sept. 1974.
M. Yokota, S. Yuzawa, and K. Kagawa, joint authors.
1332. YONENO, M., and GOTO, Y. Studies on diagnosis of rice cultivation by the leaf-color. (In Japanese) *J. Yamagata Agric. For. Soc.* 31:3-7, illus. Sept. 1974.
English summary.
1333. YOSHIDA, Z., and MURAKAMI, T. Relationship between early growth of rice plants and the later one in different regions of Tohoku district. (In Japanese) *Tohoku Agric. Res.* 15:82-84, illus. Apr. 1974.
1334. YURTOGLU, D. Rice culture in Turkey. (In Turkish) *Pancar* 267:14-18, illus. Dec. 1974.
1335. ZANINI, E., and PARI, P. La ricerca e la sperimentazione per il miglioramento delle tecniche risicole. [Research and experimentation for the improvement of rice-growing technique.] *Ann. Fac. Agric. Univ. Cattolica Sacro Cuore* 11(1/3):23-94, illus. Ref. 1971.
1336. ZULUAGA MARIN, L., and OWEN, E. J. El pie de monte llanero: potencial arrocero del pais. [The plains at the foot of the mountain: rice potential growing area of the country.] *In* Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p. 52-59, illus.

Cropping Systems

1337. AHN, J. K., BAN, C. D., and CHOI, C. I. The effects of tunnel and mulching on the growth of peas as double cropping variety of paddy field. (In Korean) *Res. Rep. Off. Rural Dev. [Korea]* 16(Hortic.):55-62, illus. Ref. Aug. 1974.
English summary.
1338. AITANI, T., and others. Cultivation of Italian rye grass (*Lolium multiflorum* Lam) and paddy rice on the paddy field. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 13:25-73, illus. Ref. 1973.
J. Sakamoto, Y. Okutsu, S. Kitazaki, N. Hirasawa, M. Akiyama, H. Shimada, and K. Koakutsu, joint authors.
1339. AOMORI AGRICULTURAL EXPERIMENT STATION. The second interim report on reversion of non-cropping paddy fields. (In Japanese) Kuroishi, Jan. 1974. 17 p., illus. (Inasaku kenkyu shiryō no. 7)
1340. BOWERS, S. A. Grain sorghum production on the floating rice lands. *In* Fertilizer research in South Viet-Nam; papers presented at Fertilizer Research Seminar, Saigon, 1974, p. 46-57, illus.
1341. BRADFIELD, R. Intensive multiple cropping. *Trop. Agric.* 51(2):91-93, illus. Apr. 1974.
1342. CADIZ, T. G. Hints in multiple cropping with vegetables. *In* Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p. 325-328, illus.
Includes rice.
1343. CENTRAL RESEARCH INSTITUTE FOR AGRICULTURE, INDONESIA. Plan of work, Farming-system/Multiple-cropping Project, fiscal year 1974-1975. Bogor, n.d. 90 p.
1344. CHAKRABORTY, T., and others. A study on the multiple cropping programme in West Bengal under village condition. *Farm J. [India]* 15(3):17-24, illus. Jan. 1974.
D. Dasgupta, S. K. Majumder, and N. D. Pal, joint authors.
1345. CHAROENDHAM, P., and others. Nitrogen level and cutting height for ratoon rice. *Res. Rep. Univ. Sydney Dep. Agron. Hort. Sci.* 2:15-16. Sept. 1974.
M. J. T. Norman, P. G. E. Searle, and R. G. Fawcett, joint authors.
1346. CHIEN, H. H. Study of the effects of different early-maturing rice varieties and different culture practices on the yield and quality of the subsequent tobacco crop. (In Chinese) *Taiwan Agric. Q.* 10(1):99-103, illus. Mar. 1974.
English summary.
1347. CLOUGH, R. A. Continuous rice growing. *Farmers' Newsl. Large Area* 91:2-5, illus. July 1974.
1348. DAVIS, J. H., and HABETZ, R. Effect of various rotations on rice production. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:206-208, illus. 1974.
1349. DKSHIT, S. P., and SINGH, A. K. Impact of green revolution on agricultural production structures: a study of the changes in the cropping pattern in Uttar Pradesh. *Agric. Situat. India* 29(2):69-73, illus. May 1974.

1350. DURAISWAMY, K. N., and others. Growing three crops of paddy. *Farm Fact*. 8(4):23-24, illus. Feb. 1974.
N. Kamalam, T. S. Theetharappan, K. S. Subramaniam, and C. T. Devadoss, joint authors.
1351. FINFROCK, D. C., and HOBBS, P. R. Crop and soil management under intensive multiple cropping systems. In *Irrigated agriculture in northern Thailand*, p.114-116. New York, Agricultural Development Council, 1974.
1352. FOOD AND FERTILIZER TECHNOLOGY CENTER, TAIWAN. Multiple cropping systems in Taiwan. Taipei, 1974.
77 p., illus.
1353. GHOSH, J., and DAS GUPTA, S. K. Varuna pays after jute and rice. *Indian Farming* 24(2):17. May 1974.
1354. GOMEZ, A. A. Intensification of cropping systems in Asia. In *Interaction of agriculture with food science; proc. symp.*, p.93-99, illus. Ottawa, Canada, International Development Research Centre, 1954.
French summary.
1355. GORIUNOV, N. S., BYKOV, V. G., and ZHDANOV, G. N. Oroshenie lyutserny v risovykh sevooborotakh i konstruktsiya risovoi sistemy. [Alfalfa irrigation in rice crop rotation and structure of rice system.] *Gidrotekh. Mellior.* 9:9-13. Sept. 1973.
1356. GOSWAMI, P. C., and BORA, C. K. Cultivation of jute vis-a-vis autumn paddy in Assam: a case study in Nowgong district. *Indian J. Agric. Econ.* 29(3):147-154, illus. July-Sept. 1974.
1357. HASSAN, A. K. Multiple cropping with rice: I. Effects of soil moisture levels on the performance of upland crops. II. Effects of seeding methods on the performance of mungo. College, Laguna, 1972. 148 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
1358. HERRERA, W. A. T., and HARWOOD, R. R. The effect of plant density and row arrangement on productivity of corn-rice intercrop. In *Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974*, p.217-220, illus.
1359. HIRANO, J. Changes in cropping of main crops and self-supplying rate of foods in recent years. (In Japanese) *Nogyo Gijutsu* 29(12):529-533, illus. Dec. 1974.
1360. HOWELL, J. D., SPIRO, D. A., and POTOLOWSKY, D. Ensaio preliminar sobre sementeira de soja em camalhoes em "terra de arroz". [Preliminary trial on the sowing of soybean on the ridges in riceland.] In *An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.165-168, illus.
1361. HSU, M. Y. Comparison of cropping patterns in low yielding paddy field. II. (In Chinese) *Annu. Rep. Dryland Food Crops Improv. Ser. XV, 1973*:316-318, illus.
English summary.
1362. ISHIZUKA, N., and INOUE, K. Studies on the simulation of harvesting system of grass as winter crop in paddy fields. (In Japanese) *J. Cent. Agric. Exp. Stn.* 21:119-160, illus. Ref. Sept. 1974.
English summary.
1363. KASS, D. L., JUNIOR, J. F., and MATOS LOPES, A. DE. Cultivares de arroz produzem tres safras por anno. [Cultivation of rice produces three crops per year.] *Lav. Arroz.* 27(279):41-47, illus. May/June 1974.
1364. KAWAGUCHI, T., and TAKAKI, K. Influence of left roots and fertilizers after harvesting of Italian ryegrass on the cultivation of paddy rice plant. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 12:84-87, illus. Aug. 1974.
1365. KIM, K. J., and PARK, J. S. Studies on the cultivation preceding crop of paddy-field of green vegetable (soybean for cook with rice) by short-day treatment. (In Korean) *J. Korean Soc. Crop Sci.* 12:31-36, illus. Ref. Dec. 1972.
English summary.
1366. KUBOTA, M. Studies on impediment to growth of rice plant by repeated cropping in irrigated upland field. 2. A comparison of microbial population in the rhizosphere of rice plant by irrigated upland field in the continuous cropping and non-continuous cropping fields. (In Japanese) *J. Niigata Agric. Exp. Stn.* 22:41-53, illus. Ref. June 1973.
English summary.
1367. KUBOTA, M., and SUZUKI, T. Studies on impediment to growth of rice plant by repeated cropping in irrigated upland field. 3. On a simple method for determining degree of soil sickness. (In Japanese) *J. Niigata Agric. Exp. Stn.* 23:37-49, illus. Ref. Mar. 1974.
English summary.
1368. KUNG, P. A review of irrigated cropping systems in northern Thailand. In *Irrigated agriculture in northern Thailand*. p.103-113. New York, Agricultural Development Council, 1974.
1369. KURIHARA, H., and others. Improvement in cropping system by irrigation on the upland field of Kanto District; middle part of Honshu Island of Japan. (In Japanese) *J. Cent. Agric. Exp. Stn. [Japan]* 20:57-86, illus. Ref. Mar. 1974.
M. Yamada, T. Ohkubo, and H. Banba, joint authors.
English summary.

1370. LAMPANG, N. N., and HOBBS, P. R. Status of crop research related to irrigated agriculture. In Irrigated agriculture in northern Thailand, p.117-125, illus. New York, Agricultural Development Council, 1974. Multiple Cropping Project of the Faculty of Agriculture at Chiang Mai University.
1371. MCINTOSH, J. L., and EFFENDI, S. Perspective of multiple cropping in Indonesia. Bogor, Indonesia, IRRI/IPI, 1973. 34 p.
1372. MAHARUDRAPPA, K., and others. Studies on production potential in coastal areas of South Kanara district. Mysore J. Agric. Sci. 8(2):168-176, illus. 1974. K. R. Kulkarni, B. Jagannath, and A. M. Chandrasekariah, joint authors.
1373. MATSUDA, A., and others. Studies on injuries by continuous cropping of rice plant in upland field and its control. I. Symptoms and conditions on occurrence of injuries. (In Japanese) Bull. Ibaraki Agric. Exp. Stn. 14:1-19, illus. Ref. Mar. 1973. K. Shimonagane, K. Ozaki, and B. Watanabe, joint authors.
1374. MOREAU, J. Perspectives offertes par la rizipisciculture a Madagascar. [View offered on rice-fish culture in Madagascar.] Terre Malgache 14:227-242. 1972/73.
1375. MORITA, K. Triple cropping of paddy rice in tropical region in India. (In Japanese) Agric. Hortic. 49(9):1154, illus. Sept. 1974.
1376. MOULTON, T. P. Fishharming with rice. Ricemill News 10(6):63-64, illus. June/July 1974.
1377. MUKHERJEE, J. N. Utilisation of the aman fallow in West Bengal. Sci. Cult. 40(5):173-178. May 1974.
1378. NAGESWAR REDDY, M., and CHATTERJEE, B. N. Intercropping of soybean with rice. Indian J. Agron. 18(3):464-472, illus. Dec. 1973.
1379. NAIR, P. K. R., SINGH, A., and MODGAL, S. C. Harvest of solar energy through intensive multiple cropping. Indian J. Agric. Sci. 43(11):983-988, illus. Ref. Nov. 1973.
1380. NATTRIBHOP, S., and WALCOTT, J. Status of multiple cropping systems suited to the Central Plain of Thailand. In Irrigated agriculture in northern Thailand, p.126-135, illus. Ref. New York, Agricultural Development Council, 1974.
1381. NICHIKOV, M. Osobennosti orosheniya lyutserny na risovykh poliyakh severnogo kavkaza. [Specificity of alfalfa irrigation on North Caucasus rice fields.] Vestn. S-kh. Nauki 6:48-53, illus. 1974.
1382. NICHIKOV, M. K., and CHURIKOV, V. F. O slosobakh poliva lyutserny v risovykh chekakh. [Methods of alfalfa irrigation in rice checks.] Gidrotekh Mellor 9:15-17, illus. Sept. 1973.
1383. NIGAM, R. K. Potato and rice. Intensive Agric. 12(6):12. Aug. 1974.
1384. NIGAM, R. K., and SINGH, R. P. Rice-sweet-potato-rice. Intensive Agric. 12(4):24. June 1974.
1385. OKIGBO, B. N. A preliminary new look at the I. I. T. A. Farming Systems Program. Ibadan, 1973. 36 p., tables, figs. Ref. Cropping systems.
1386. PALADA, M. C., and HARWOOD, R. R. The relative return of corn-rice intercropping and monoculture to nitrogen application. In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.26-29, illus.
1387. PANER, V. E., and TIROL, L. C. Costs and returns of different crops in MCEPP pilot barrios. In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.264-269, illus. Includes rice.
1388. PEDROSO, B. A., and SOUZA, P. R. Cultivo de soca de oito variedades de arroz, em duas densidades de sementeira. [Ratoon cultivation of eight varieties of rice in two sowing densities.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.48-50, illus.
1389. PRASAD, B., and JHA, J. Effect of continuous cropping of paddy with high doses of fertilizers on the enigma of soil nitrogen balance sheet. Indian J. Agron. 18(4):405-409, illus. Ref. Dec. 1973.
1390. SADANANDAN, N., and MAHAPATRA, I. C. Studies in multiple cropping--balance sheet of nitrogen in various cropping patterns. Indian J. Agron. 18(3):323-327, illus. Sept. 1973.
1391. SADANANDAN, N., and MAHAPATRA, I. C. Studies on multiple cropping--balance sheet of total and available phosphorus in various cropping patterns. Indian J. Agron. 18(3):459-463, illus. Sept. 1973.
1392. SADANANDAN, N., and MAHAPATRA, I. C. Studies in multiple cropping--balance sheet of total and exchangeable potassium in soil in various cropping patterns. Indian J. Agron. 19(2):138-140, illus. June 1974.

1393. SAHOO, B. C., and PATRO, G. K. Studies on the comparative efficiency of selected crop patterns in irrigated high lands of Bhubaneswar Mysore J. Agric. Sci. 8(3):376-383, illus. 1974.
1394. SAKAI, K., and others. Studies on injuries by continuous cropping of rice plant in upland field and its control. II. Control of injuries. (In Japanese) Bull. Ibaraki Agric. Exp. Stn. 15:13-45, illus. Ref. 1974.
Y. Fushitani, K. Tsuda, M. Ishikawa, N. Asano, S. Kajita, A. Matsuda, K. Shimonagane, K. Ozaki, and B. Watanabe, joint authors.
1395. SAKAI, M. Peoples trying to abolish the single cropping of rice. (In Japanese) Farming Mech. 2672:55-58, illus. 1974.
1396. SEETISARN, M., and THODEY, A. R. Irrigated agriculture in northern Thailand: a perspective. In Irrigated agriculture in northern Thailand, p.13-18, 21. New York. Agricultural Development Council, 1974.
Includes cropping patterns.
1397. SEKTHEERA, R., and THODEY, A. R. Optimal multiple cropping systems at the farm level. In Irrigated agriculture in northern Thailand, p.145-159, illus. New York. Agricultural Development Council, 1974.
1398. SHAPOSHNIKOV, D. G., and MALENKO, L. A. Lyutserna v risovykh sevooborotakh yuzhnoi Ukrainy. [Alfalfa in rice crop rotations of southern Ukraine.] In Zernoye i Kormovoye Kul'tury na Oroshuemykh Zemlyakh, p.217-221, illus. 1972.
1399. SHELTON, H. M., and HUMPHREYS, L. R. Pasture establishment in upland rice crops at Na Pheng, Central Laos. Trop. Grassl. 6(3):223-228, illus. Nov. 1972.
1400. SIDHU, D. S., and SANKHAYAN, P. L. Green revolution and the changes in the cropping pattern in the Punjab. Agric. Situat. India 28(4):205-208, illus. July 1973.
1401. SONI, P. N. Cropping pattern and crop intensity in various size classes of farmers in some I. A. D. P. districts. Agric. Situat. India 29(7):483-487, illus. Oct. 1974.
1402. TAI, Y. C. Comparison of cropping patterns in low yielding paddy field. I. (In Chinese) Annu. Rep. Dryland Food Crops Improv. Ser. XV, 1973:312-315, illus.
English summary.
Forage cropping in paddy fields.
1403. TAKAHASHI, H. Studies on the germination ecology of seeds of barnyardgrass (Echinochloa crus-galli Beauv. var. caudata Kitagawa) and its utilization for successive cultivation with Italian ryegrass. (In Japanese) J. Cent. Agric. Exp. Stn. [Japan] 21:161-211, illus. Ref. Sept. 1974.
English summary.
Forage cropping in paddy fields.
1404. TAN, C. E., and others. A report on paddy and paddy-field fish production in Krian, Perak. Kuala Lumpur, Ministry of Agriculture & Fisheries, July 1973. 57 p., illus. Ref. (Bull. No.129)
B. J. Chong, H. K. Sier, and Moulton, T., joint authors.
1405. TRAHAN, G. J., and DAVIS, J. H. Effect of various rotations on rice production. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:263-266, illus. 1973.
1406. TRENBATH, B. R. Biomass productivity of mixtures. Adv. Agron. 26:177-210. Ref. 1974.
Cropping systems.
1407. VAN DYKE, J. M., and GREEN, V. E. The inter-relations of agriculture and aquaculture in multicropping rice and fish. Riso 23(4):365-371, illus. Ref. Dec. 1974.
Italian summary.
1408. VOTONG, V. G., and others. Irrigation timing and ratoon-rice. Res. Rep. Univ. Sydney Dep. Agron. Hortic. Sci. 2:15. Sept. 1974.
M. J. T. Norman, P. G. E. Searle, and R. G. Fawcett, joint authors.
1409. YAH, M. Recipes for improving the income of Thai farmers. (In Chinese) Int. Tech. Coop. Bull. 110:19-21, illus. Apr. 1974.
Work on cropping systems including rice, p.20.

Fertilizers

1410. ..BROL, I. P. Recent advances in fertiliser use in salt affected soils. Fert. News 19(12):12-16, illus., map. Ref. Dec. 1974.

1411. ALEXANDER, K. M., SADANANDAN, N., and SASIDHAR, V. K. Effect of graded doses of nitrogen and phosphorus on the changes of soil pH during successive stages of growth of wet land rice. *Agric. Res. J. Kerala* 11(1):82-83, illus. Mar. 1973.
1412. ALEXANDER, K. M., SADANANDAN, N., and SASIDHAR, V. K. Effect of various levels of nitrogen and phosphorus on the yield and other agronomic characters of rice variety Triveni. *Agric. Res. J. Kerala* 11(2):109-113, illus. Sept. 1973.
1413. ANDO, S. Indication of heavy water leak paddy field and improvement of fertilizer application. (In Commemoration of award for advances in agricultural technology for 1973, II.) (In Japanese) *Nogyo Gijutsu* 29(2):68-73, illus. Feb. 1974.
1414. ANJANEYA SARMA, D. Studies on the relative efficiency of fertilizer nitrogen with and without nitrification inhibitors on IR 8 rice. *Andhra Agric. J.* 19(5/6):139-143, illus. Sept.-Oct./Nov. 1972.
1415. ARASHI, K. Practice of manuring in paddy rice culture at Kyushu in the early Meiji Era, especially compared to that at Kinki. (In Japanese) *Rep. Kyushu Br. Crop Sci. Soc. Japan* 41:13-14, illus. July 1974.
1416. ASO, S., and HOSOYA, T. Effect of continuous application of superphosphate, fused phosphate and ground Gafsa phosphate rock to volcanic ash soils. (In Japanese) *Agric. Hort.* 49(10):1287-1288, illus. Oct. 1974.
1417. ATKINSON, L. J., and KUNKEL, D. E. HYV in the Philippines: progress of the seed-fertilizer revolution. *Philipp. Agric. Situat.* 11:67-114, illus. Dec. 1974.
Fertilizer response of rice.
1418. BEEBE, J. Fertilizer for rice. Quezon City, Philippines, New Day Publishers, 1974. 48 p., illus.
1419. BELOUS, L. G., and others. Deistvie azotnogo udobreniya na urozhai i kachestvo risa. [Effect of a nitrogen fertilizer on the yield and quality of rice.] *Khim. Sel'sk. Khoz.* 12(9):573-575, illus. Ref. 1974.
G. V. Nalivko, N. S. Tur, N. M. Volosov, and V. T. Rymar, joint authors.
1420. BEYE, G. Etude comparative de l'action de la potasse et de la paille enfouie sur le developpement et le rendement du riz, sur sol argileux de basse Casamance. [Comparative study of the effect of potash and straw ploughed in on the development and yield of rice on clayed soils in lower Casamance.] *Agron. Trop.* [France] 29(8):803-811, illus. Ref. Aug. 1974.
English and Spanish summaries.
1421. BHARDWAJ, R. B. L., RAO, J. V., and GAUTAM, R. C. Response of upland rice to rate and time of application of phosphorus. *Indian J. Agron.* 19(2):113-117, illus. Ref. June 1974.
1422. BOSSHART, R. P. The IRRI Team and fertilizer research. In Fertilizer research in South Viet-Nam; papers presented at Fertilizer Research Seminar, Saigon, 1974, p.77-87, illus.
1423. BRANDON, D. M., and MIKKELSEN, D. S. Zinc fertilization of rice. *Proc. Calif. Plant Soil Conf.*, p.32-33. 1973.
1424. BUNOAN, J. C., and PROTACIO, M. E. Yield response to NPK fertilization of high-yielding rice varieties grown on some major soil types in the Philippines. In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974, p.141-154, illus.
1425. CALVET, G. Nouveaux aspects de la fertilisation. [New aspects of fertilization.] *Bull. Inf. Rizicult. Fr.* 154/155:15-16, illus. Sept./Dec. 1974.
1426. CARDENAS, M. L. Efficiency of some nitrogen sources and their effects on lowland rice. College, Laguna, 1971. 105 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
1427. CELS F., A., OTTAVO, Y., and ORTEGA, H. H. Niveles y epocas de aplicacion de nitrogeno. [Levels and stages of nitrogen application.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.109-114, illus.
1428. CHAE, S. S., CHANG, Y. S., and LEE, H. S. The effect of fused phosphate on yield of rice in sandy paddy field. (In Korean) *Res. Rep. Off. Rural Dev. [Korea]* 16(Crop):99-104, illus. Ref. Aug. 1974.
English summary.
1429. CHAIROJANA, P., and SAHASSANONT, P. A study of analytical methods for chemical fertilizer. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.111-118, illus. Bangkok, 1974.
English summary.
1430. CHAMURA, S., TADA, S., and TSUBOKAWA, F. Effects of late nitrogen top-dressing on quality and yield of rice plant. I-II. (In Japanese) *Proc. Hokuriku Br. Crop Sci. Soc. Japan* 7:10-12; 12-14, illus. Mar. 1972.
I. In case of low nitrogen content in rice plant; II. In case of rice stem borer damage aggravated by nitrogen excess.
1431. CHANDRASEKARAN, S., LAKSHMANAN, AR., and KUPPUSWAMY, G. Effect of farm yard manure with and without urea or ammonium sulphate on low land rice. *AUARA (Annamalai Univ. Agric. Res. Annu.)* 4/5:48-56, illus. Ref. 1972/73.

1432. CHAU VAN HANH. Effects of phosphatic fertilizer on TN rice. In Fertilizer research in South Viet-Nam; papers presented at Fertilizer Research Seminar, Saigon, 1974, p.24-30, illus.
1433. CHAUHAN, D. V. S., and others. Effect of levels of nitrogen on the grain yield of some high yielding varieties of rice in typical rice soils of Chhattisgarh. *Indian J. Agron.* 19(4):243-246, illus. Dec. 1974.
M. P. Khandekar, R. P. Bajpai, and B. L. Chandrakar, joint authors.
1434. CHIANG, C. T., HOU, T. T., and LEE, W. H. Leaching losses of added slow-acting and readily available nitrogen fertilizers from soils of paddy field condition. (In Chinese) *Tech. Bull. Taiwan Fert. Co.* 40, 30 p., illus. Jan. 1972.
English summary.
1435. CHIKURA, S., HARADA, K., and TAKEFUJI, K. The effects of top-dressing at the ripening stage of rice plant. 2. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 11:30-33, illus. Aug. 1973.
1436. CHINCHEST, A., and FERRARIS, R. The nitrogen responsiveness of new rice hybrids. *Thai J. Agric. Sci.* 7(2):79-84, illus. Apr. 1974.
1437. CHO, D. S., and LEE, E. W. Effect of leaf-defoliation and different nitrogen, phosphorus and potassium application on maturity and yield of rice. (In Korean) *J. Korean Soc. Crop Sci.* 15:61-67, illus. Ref. Feb. 1974.
English summary.
1438. CONSIDERACIONES en relación al uso de fertilizantes en el Peru. [Considerations in relation to the use of fertilizers in Peru.] *Arroz [Peru]* 8(44):37-42, illus. July/Aug. 1974.
1439. COSICO, W. C. Response of rice to different nitrogen fertilizers and times of application. College, Laguna, 1971. 94 p., illus. Ref.
Thesis (M. S.)--College of Agriculture, University of the Philippines.
1440. DARGAN, K. S., and GAUL, B. L. Optimum nitrogen levels of dwarf varieties of paddy in semi reclaimed alkali soils. *Fert. News* 19(9):24-25, illus. Oct. 1974.
1441. DAS, K. C. Response of rice to foliar application of potash. *Potash Newsl.* 8(3):4-6. July/Sept. 1973.
1442. DAS GUPTA, D. K. The response of rice varieties to applied nitrogen under swamp cultivation in Sierra Leone. 2. Dry season. *Ghana J. Agric. Sci.* 6(3):161-171, illus. Ref. Dec. 1973.
1443. DAS GUPTA, N., BHATTACHARJEE, D., and ROY, D. R. Time of application of calcium ammonium nitrate for direct sown rice. *Indian J. Agron.* 18(3):243-246, illus. Sept. 1973.
1444. DAVIDE, J. G. Let's use organic fertilizers. *Greenfields* 3(1):24-25. n.d.
1445. DIUZHEV, G. A., and SOJUNOV, G. A. Udobrenie risa v severnoi Turkmenii. [Fertilizer for rice in Northern Turkmenia.] *Khim. Sel'sk. Khoz.* 11(10):13-14, illus. 1973.
1446. DZOWELA, B. H. Fertilizer trials on rice in Malawi. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 11 p., illus.
1447. EID, M. T., and others. The application of isotopes and radiation in rice cultivation. IV. Efficiency of fertilizer nitrogen applied to rice as affected by placement and the interaction with phosphorus placement. *Agric. Res. Rev.* [U.A.R.] 49(6):25-47, illus. Ref. Nov. 1971.
M. E. Abdel-Samie, M. S. Abdel-Aziz, A. A. Serry, H. El-Hadidi, M. El-Hossini Taha, M. R. Hamissa, A. M. Keleg, and M. S. Khedr, joint authors.
1448. EVATT, N. S. Fertilizer results with Vista and Nato--Beaumont, 1971. In Rice research in Texas, 1971, p.7-8, illus. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)
1449. EVATT, N. S. Rice fertilizer-variety tests at Beaumont, 1971. In Rice research in Texas, 1971, p.5-6, illus. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)
1450. FERNANDO SANCHEZ, L., and OWEN, E. J. Algunos aspectos sobre fertilización del arroz de riego en el Meta. [Some aspects on fertilization of lowland rice in Meta.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.133-151, illus.
1451. FINASSI, A., and MONTUORO, P. Aspetti tecnici della trinciatura della paglia di riso disposta in andane. [Technical aspects in the chopping of rice straw spread in the field.] *MMA (Macch. Mot. Agric.)* 31(12):57-63, illus. Dec. 1973.
1452. FLINCHUM, W. T., and EVATT, N. S. Effect of 2,4-D and nitrogen on stubble crop rice production in Texas. In Rice research in Texas, 1971, p.19-21, illus. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)

1453. FURUYAMA, Y., and MINAMI, M. Studies on the nutritional and physiological characteristics of the rice varieties in Hokkaido. 2. Response to split application of nitrogen fertilizer. (In Japanese) Bull. Hokkaido Prefect. Agric. Exp. Stn. 29:148-160, illus. Ref. Mar. 1974.
English summary.
1454. FURUYAMA, Y., FUJIWARA, K., and MINAMI, M. Studies on the nutritional and physiological characteristics of the rice varieties in Hokkaido. 3. The efficiency and absorption of nitrogen fertilizer with labelled nitrogen (^{15}N). (In Japanese) Bull. Hokkaido Prefect. Agric. Exp. Stn. 30:32-44, illus. Ref. Oct. 1974.
English summary.
1455. GANGWAR, M. S., SINGH, T. A., and SHARMA, A. N. Effect of phosphorus application on zinc, manganese and iron uptake by rice. *Riso* 23(3):293-297, illus. Ref. Sept. 1974.
Italian summary.
1456. GARCIA, E., and VALLEJO, J. Respuestas al nitrogeno de seis lineas promisoras y cuatro variedades de arroz en Palmira. [Response to nitrogen of six promising lines and four rice varieties in Palmira.] *In* Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.126-132, illus. Includes discussion.
1457. GARGANTINI, H., and RODRIGUES FILHO, F. S. DE O. Competição entre fertilizantes nitrogenados em arroz cultivado em vasos. [Nitrogen fertilizers competition in pot trial with rice.] *Bragantia* 33(16):LXXVII-LXXIX, illus. 1974.
English summary.
1458. GOEL, S. K. Selection of profitable doses of nitrogen for rice. *Fert. News* 19(2):28-31, illus. Feb. 1974.
1459. GUAZZELLI, R. J., and others. Efeitos agronômicos e econômicos do calcário, nitrogênio, fósforo, potássio, enxofre e micronutrientes nos rendimentos de soja, feijão e arroz em Uberaba, Minas Gerais. [Agronomic and economic effects of lime, nitrogen, phosphorus, potash, sulfur and micronutrients on the yields of soybeans, dry beans and rice at Uberaba, Minas Gerais.] *Pesq. Agropecuar. Brasil. Ser. Agron.* 8(6):29-37, illus. Ref. 1973.
J. F. Mendes, G. R. Bauwin, and S. F. Miller, joint authors.
English summary.
1460. HAFIZUR RAHMAN, A. F. M. Fertilizer requirement for HYV under rainfed condition. *In* Pap. Workshop on Massive Production of HYV of Rice under Rainfed Condition in Bangladesh, 1974, p.114-124. Dacca, Bangladesh Rice Research Institute, 1974.
1461. HAMISSA, M. R., and others. Maximum fertilizer limits for the major field crops "cotton, corn, wheat and rice". *Agric. Res. Rev. [U.A.R.]* 49(6):77-198, illus. Ref. Nov. 1971.
M. T. Eid, A. Shoukry, M. S. Abdel Aziz, A. Yousri, M. F. Tawakol, A. Arabi, A. Moustafa, and S. Abdel Bari, joint authors.
1462. HAQUE, I. Crop responses to potash in Sierra Leone. *Potash Rev.* 7/27:1-7, illus. Ref. 1974.
1463. HAZRA, S. K., CHATTOPADHYAY, N. C., and GUPTA, S. K. Studies on high yielding varieties of rice. I. Yield response to N, P and K in lateritic soil. *Indian Agric.* 18(1):55-65, illus. Ref. 1974.
1464. HIRUNYUPAKORN, V. Effects of presubmergence, sowing-weeding practices and nitrogen on the yield of deep water rice. (In Thai) *In* Thailand. Rice Dept. Annual research report, 1971, p.329-332. Bangkok, 1974.
English summary.
1465. HORIUCHI, E. Studies on the excess application of feces and urine of domestic animal to crops. I. Application of urine of cattle to paddy plants. (In Japanese) *Rep. Shikoku Br. Crop Sci. Soc. Japan* 11:11-12, illus. Dec. 1974.
1466. HUSSAIN, M., KARIM, A., and MUHAMMAD, S. Effects of fertilizers on thiamine and riboflavine contents of rice bran. *Indian J. Agric. Sci.* 43(9):835-838, illus. Sept. 1973, pub. 1974.
1467. HUYNH VAN QUANG. Effects of potassium response on improved TN rice varieties in Vietnam. *In* Fertilizer research in South Viet-Nam; papers presented at Fertilizer Research Seminar, Saigon, 1974, p.31-37, illus. Ref.
1468. IDE, H., NAGAO, T., and NAKAMURA, S. Effect of application of nitrogen on the qualities of grains and the yield of rice plant in Miyako and Kitakyushu district. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 12:11-14, illus. Aug. 1974.
1469. IDE, K., TOKUYASU, M., and SHIMOMURA, T. Studies on the manuring methods of good quality and high yield for rice plants in warm district in Japan. (In Japanese) *Bull. Saga Agric. Exp. Stn.* 12:39-121, illus. Ref. Mar. 1972.
1470. JAIN, N. K., and VERMA, A. S. Biuret content of urea. I. Effect on dwarf indica rice cultivar IR 8 in foliar spray. *Indian J. Agric. Res.* 8(2):97-102, illus. Ref. Apr./June 1974.
1471. JANTAWAT, S. Some aspects of fertilizer use in Thailand. *Thai J. Agric. Sci.* 7(1):71-78, illus. Jan. 1974.

1472. JERSOV, S. O. Vpliv raznih azotnih dobriv na vrozaj risu. [Effect of different types of nitrogen fertilizers on rice yield.] Zrosh. Zemlerob. 14:95-97, illus. 1972.
1473. JOSHI, R. L., and BALLAL, D. K. Effect of superphosphate in different combinations with compost on the yield and uptake of N, P & K by rice plant. Agric. Agro-Ind. J. 6(4):9-13, illus. Ref. Apr. 1973.
1474. JUGSUJINDA, A., and WERASOPON, O. A comparative effects of urea-rockphosphate and other compound and mixed fertilizers on rice. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.215-219, illus. Bangkok, 1974. English summary.
1475. JUGSUJINDA, A., and WERASOPON, O. The effect of different levels of NPK fertilizers on a new selected non-photosensitive variety in wet and dry seasons. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.297-305, illus. Bangkok, 1974. English summary.
1476. JUGSUJINDA, A., and KARNJANANIRATISAI, M. Phosphorus availability indices of soils applied with different kinds of phosphatic fertilizers. I-II. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.246-257, illus. Bangkok, 1974. English summary.
1477. JUGSUJINDA, A., and WERASOPON, O. Residual effect of nitrogen from mixed and compound fertilizers containing ammonium and nitrate forms on the new non-photosensitive rice variety. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.193-203, illus. Bangkok, 1974. English summary.
1478. JUGSUJINDA, A., and WERASOPON, O. Residual effects of different sources of phosphate on rice. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.234-241, illus. Bangkok, 1974. English summary.
1479. JUGSUJINDA, A., and WERASOPON, O. Residual effects of different sources of rock phosphate on rice. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.225-233, illus. Bangkok, 1974. English summary.
1480. JUGSUJINDA, A., and SONGMUANG, P. Third year residual effects of different sources and rates of high and low analysis of phosphate fertilizers on rice yield. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.220-224, illus. Bangkok, 1974. English summary.
1481. KANAREUGSA, C., and CHANTRATARAGUL, Y. Experiment on rates of trace elements. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.343-350, illus. Bangkok, 1974. English summary.
1482. KANAREUGSA, C., and CHANTRATARAGUL, Y. Experiment on the relative effect of various nitrogenous fertilizers on three new rice varieties. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.204-209, illus. Bangkok, 1974. English summary.
1483. KANAREUGSA, C., and CHANTRATARAGUL, Y. Experiment on trace elements. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.338-342, illus. Bangkok, 1974. English summary.
1484. KANAREUGSA, C., and CHANTRATARAGUL, Y. Liming effects on the growth and yield of rice in combination with various rates of nitrogen and phosphate. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.269-275, illus. Bangkok, 1974. English summary.
1485. KANG, B. T., BALLAUX, J. C., and OSINAME, O. A. Preliminary report on evaluation of nitrogen sources for flooded rice and maize in Western Nigeria. (Paper presented at the TVA-AID Fertilizer Research Project Workshop, IITA, Ibadan, Nigeria, 1974) 4 p., tables.
1486. KANSAL, B. D., BHUMBLA, D. R., and KANWAR, J. S. Variations in fertilizer response of different varieties of wheat and rice. Indian J. Agric. Sci. 44(1):55-59, illus. Jan. 1974.
1487. KANTER, D. G. TN rice response to nitrogen fertilization. In Fertilizer research in South Viet-Nam; papers presented at Fertilizer Research Seminar, Saigon, 1974, p.3-23, illus.
1488. KARIM, M. Fertilization for increased production of deep water rice--an unique problem. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 9 p., illus.

1489. KATSUKI, E., YOKOI, Z., and KUMAGAI, K. Effects of application method of nitrogen on qualities of rice grains. (In Japanese) Bull. Shiga Prefect. Agric. Exp. Stn. 15:13-22, illus. Mar. 1973.
English summary.
1490. KAUL, M. L. H. Fertilizer response and correlations in Padma variety of rice. J. Indian Bot. Soc. 51(2):161-165, illus. 1972.
1491. KAWAHITO, H., KOMATSU, Y., and SATAKE, H. Studies on the utilization of liquid fertilizer for the raising of rice seedling adapted for the transplantor. IV. On the practicality of mixed fertilizer for the liquid fertilizer. (In Japanese) Rep. Shikoku Br. Crop Sci. Soc. Japan 11:1-6, illus. Dec. 1974.
1492. KIM, C. K. The effect of superphosphate fertilizer and composts enriched with superphosphate on the grain yield and yield components of rice. (In Korean) J. Korean Soc. Crop Sci. 7(1):65-70, illus. Ref. Dec. 1969.
English summary.
1493. KIM, D. K., and others. Studies on fertilizer application in a multiple-cropping of rice and barley and paddy field. II. The effects of phosphorus and potassium on the growth and yield in the following crops. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):89-98, illus. Ref. Aug. 1974.
S. M. Kwon, J. H. Lee, and K. Y. Chung, joint authors.
English summary.
1494. KIRICHENKO, K. S. Primenenie khloristogo ammoniya kak udobreniya pod ris. [Use of ammonium chloride as fertilizer for rice.] Mater. Soveshch. Primen. Khloristogo Ammoniya Kach. Udobr. 1970:77-83, illus.
1495. KIRITHAVIP, L., and SAWASDEE, P. A study on third year residual effect of different sources and rates of phosphatic fertilizers when applied continuously for three years. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 258-261, illus. Bangkok, 1974.
English summary.
1496. KIRITHAVIP, R., and SAISOONG, C. The responses of photo and non-photosensitive rice varieties to different rates of ammonium phosphate. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 284-287, illus. Bangkok, 1974.
English summary.
1497. KIRITHAVIP, R., KRASAESINDHU, P., and SOOKHAKICH, S. A study on the effect of slowly releasing nitrogen fertilizer for rice. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 210-214, illus. Bangkok, 1974.
English summary.
1498. KONDO, K., and MURAKAMI, T. Method of fertilizer application and drainage effect. (In Japanese) Tohoku Agric. Res. 15:62-64, illus. Apr. 1974.
1499. KOSAKA, I. Effect of organic matter application on rice plants. (In Japanese) Nogyo Gijutsu 29(1):7-11, illus. Jan. 1974.
1500. KU, Y. S., and others. Study on the effect of topdressing time or nitrogen for tillering on the growth and yield in rice. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):105-109, illus. Ref. Aug. 1974.
S. P. Nho, J. C. Kang, C. J. Whang, and J. S. Nha, joint authors.
English summary.
1501. LAKTIONOV, B. I., and SHIRENKO, B. K. Materialy soveshchaniya po primeneniyu khloristogo ammoniya. [Effectiveness of the use of ammonium chloride for rice on solonetz soils of the southern Ukraine.] Mater. Soveshch. Primen. Khloristogo Ammoniya Kach. Udobr. 1970:84-96, illus.
1502. LEE, C. R. Increase in crop yield is from increase of compost. (In Korean) Agric. Technol. [Korea] 8(5):5-7, illus. July 1974.
1503. LEE, C. R. Methods of fertilizer application for increasing panicles and percentage of filled grains. (In Korean) Agric. Technol. [Korea] 8(6):3-4, illus. Aug. 1974.
1504. MACAISA, N. G. Levels and frequency of nitrogen application in relation to milling quality and protein content of rice. College, Laguna, 1972. 86 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
1505. MAGNAYE, C. P. Hydrolysis of urea and performance of some slow release urea fertilizers in flooded rice. College, Laguna, 1971. 85 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
1506. MAHAJAN, K. K., and KAISTHA, B. L. A note on nitrogen for rice on grey brown podzol soils. Indian J. Agron. 19 (2):160-161, illus. June 1974.

1507. MAHAPATRA, I. C., GOSWAMI, N. N., and BAPAT, S. R. Lessons from simple fertilizer trials. *Indian Farming* 23(12):19-21, 27, illus. Mar. 1974.
1508. MAHAPATRA, I. C., and others. Strategy for fertiliser recommendation based on multiple crop sequences. *Fert. News* 19(12):17-26, illus. Dec. 1974.
K. S. Krishnan, M. Singh, and H. C. Jain, joint authors.
1509. MAHARUDRAPPA, K., KULKARNI, K. R., and SHAKUNTALARAJU. Relative efficiency of complex fertilizers on paddy. *Mysore J. Agric. Sci.* 8(2):177-181, illus. 1974.
1510. MANNAN, M. A., and HOSSAIN, M. D. Effect of urea-N applied in splits on the chemical composition of transplanted aman paddy (variety, Dacca 31). *J. Agric. Res. [Pakistan]* 9(1):1-13, illus. Ref. Mar. 1971.
1511. MARUMOTO, T., KIDA, H., and YAMAZAKI, K. Effect of the nitrification inhibitor on nitrification of ammonium fertilizer and yield of rice sown directly on unflooded paddy field. 2. Effect of 2-mercaptobenzothiazole (MBT) and application method of fertilizer. (In Japanese) *Bull. Fac. Agric. Yamaguti Univ.* 25:995-1014, illus. Ref. 1974.
English summary.
1512. MARUMOTO, T., TANAKA, T., and YAMAZAKI, K. Effect of the nitrification inhibitor on nitrification of ammonium fertilizer and yield of rice sown directly on unflooded paddy field. 3. Relation of the effect of 2-mercaptobenzothiazole (MBT) and the fertilizer particle size. (In Japanese) *Bull. Fac. Agric. Yamaguti Univ.* 25:1015-1028, illus. 1974.
English summary.
1513. MATHUR, O. P., and others. Effect of application of nitrogenous fertilizer at different growth stages on the yield of paddy under saline-alkali soil conditions of Rajasthan Canal area. *Indian J. Agron.* 19(2):105-108, illus. June 1974.
O. P. Singh, P. M. Chauhan, and B. Singh, joint authors.
1514. MEHTA, B. V. Micronutrients in Indian agriculture. *Fert. News* 19(12):27-31, illus. Ref. Dec. 1974.
Includes rice.
1515. MERZARI, A. H., and GHELFI, R. A. Utilización de fertilizantes "marcados" con ^{32}P and ^{15}N en ensayos de invernadero y a campo. [Use of fertilizers labeled with ^{32}P and ^{15}N in greenhouse and field experiments.] *Argent. Com. Nac. Energ. At. Inf.* 331:10 p., illus. 1973.
English summary.
1516. MICHAEL RAJ, S., and MORACHAN, Y. B. Effect of fertilisation and diazinon application on the incidence of stem borer and leaf roller on rice. *Madras Agric. J.* 60(7):431-435, illus. July 1973.
1517. MIKHEEV, E. K. Vliyaniye mineral'nykh udobrenii na ris. [Effect of commercial fertilizers on rice.] *Agrokhimiya* 8:84-89, illus. 1974.
1518. MISHRA, V. K., and GUPTA, G. P. Effect of zinc and gypsum application on yield of paddy (ratna) under saline alkali and water-logged conditions. *JNKVV (Jawaharlal Nehru Krishi Vishwa Vidyalaya) Res. J.* 8(1):37-39, illus. Jan. 1974.
1519. MIYAKE, N., NISHIYAMA, S., and NAMOTO, T. The effect of split application of slag on paddy rice. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 11:34-37, illus. Aug. 1973.
1520. MODGAL, S. C., SINGH, V., and GAUTAM, R. C. Effect of time of nitrogen application on the performance of high-yielding rice varieties. *Indian J. Agron.* 19(4):237-242, illus. Dec. 1974.
1521. MOHAN KUMAR, C. R., and GEORGE, C. M. Note on effect of top dressing of nitrogen on the protein content of rice variety I. R. 8. *Curr. Sci.* 43(6):196-197, illus. Mar. 20, 1974.
1522. MONGI, H. O., CHOWDHURY, M. S., and SAMOKA, J. M. R. Lime, nitrogen and phosphorus effects on inorganic nitrogen and yield of upland rice cv. "Salama" on an oxisol. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 18 p., illus. Ref.
1523. MORAES, J. F. V., FREIRE, C. J. DA S., and SILVA, E. C. DA. Efeito da dose de nitrogenio sobre a produçao de quatro variedades de arroz. [Effect of nitrogen dose on the production of four varieties of rice.] *In An. VI Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.66-69, illus.*
1524. MORAES, J. F. V., FREIRE, C. J. DA S., and SILVA, E. C. DA. Efeito da época de aplicação de nitrogenio e do inicio da inundação do solo sobre a produção do arroz. [Effect of time of application of nitrogen and initial flooding of soil on rice production.] *In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.70-72, illus.*
1525. MUDHOLKAR, N. J., SAHAY, M. N., and PADALIA, C. R. Response of rice crop to algal inoculation and urea spray. *Indian J. Agron.* 18(3):282-284, illus. Sept. 1973.
1526. MURAKAMI, H., and FURUYAMA, M. Influence of top dressing at ripening stage on the growth and yield of rice plant. (In Japanese) *Bull. Shimane Agric. Exp. Stn.* 12:11-20, illus. Dec. 1974.
English summary.

1527. MURAYAMA, N. Improvement of high yielding level of rice and efficiency in fertilizer application in recent years. 1-2. (In Japanese) *Nogyo Gijutsu* 23(7):293-302; (8):356-361, illus. July-Aug. 1974.
1528. MURTY, K. S. Effect of depth of placement of nitrogen on fertilizer nitrogen uptake by rice. *In Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp.*, 1970, p.347-355, illus. Ref. Bombay, Dept. of Atomic Energy, 1971.
Includes discussion.
1529. MUTHUSWAMY, P., RAJ, D., and KRISHNAMOORTHY, K. K. Influence of forms of nitrogen on the progressive changes in NPK availability during crop growth. *Madras Agric. J.* 60(8):760-763. Aug. 1973.
1530. MUTHUSWAMY, P., RAJ, D., and KRISHNAMOORTHY, K. K. Mineral nutrition of high yielding rice (*Oryza sativa* L.) varieties. *Madras Agric. J.* 60(8):764-767. Aug. 1973.
1531. NAIR, P. K. R., and GEORGE, C. M. Studies on differential response of rice varieties to nitrogen. *Agric. Res. J. Kerala* 11(1):17-22, illus. Mar. 1973.
1532. NAKANO, N. Effect of additional phosphorus fertilizer on rice plants. (In Japanese) *Agric. Hortic.* 49(8):996-1000, illus. Aug. 1974.
1533. NAKATANI, H. Studies on the effect of cultural conditions on yield and quality of rice grain. 2-3. (In Japanese) *Hokuriku Crop Sci.* 8:3-5; 5-8, illus. 1973, pub. Mar. 1974.
2. Effects of the amount of manuring on yield and kernel qualities; 3. Effects of top-dressed 3 elements of fertilizer on yield and kernel qualities.
1534. NARAYANAN, K., and others. Effect of graded levels of nitrogen on the incidence of rice gall midge. *Madras Agric. J.* 60(7):572, illus. July 1973.
J. Chandrasekaran, M. Meerzaimudeen, and S. Jayaraj, joint authors.
1535. NATARAJAN, C. P. Studies on placement of superphosphate to rice and millets in the Tamil Nadu soils, using radioisotope technique. *In Radiation and Radioisotopes in Soil Studies and Plant Nutrition; Proc. Symp.*, 1970, p.309-320, illus. Ref. Bombay, Dept. of Atomic Energy, 1971.
Includes discussion.
1536. NISHIKAWA, K., TAMURA, M., and TAKETANI, K. Studies on effect as fertilizer of chloropicrin for paddy rice. (In Japanese) *Bull. Ishikawa-ken Agric. Exp. Stn.* 8:9-20, illus. July 1974.
English summary.
1537. NISHIKAWA, Y., NISHIKAWA, K., and KANEDA, H. Studies on application of rice straw to paddy field. (In Japanese) *Bull. Ishikawa-ken Agric. Exp. Stn.* 8:21-30, illus. July 1974.
English summary.
1538. OH, W. K., and others. Studies on the effect of potassium split application on paddy--on the time of potassium split application. (In Korean) *J. Korean Soc. Crop Sci.* 17:143-148, illus. Dec. 1974.
S. B. Lee, C. H. Park, and S. B. Kim, joint authors.
English summary.
1539. OH, Y. T. Amount of fertilizers and spacing in rice. (In Korean) *Agric. Technol. [Korea]* 8(3):4. May 1974.
1540. OH, Y. T., and others. The effects of applications of limestone and zinc on the yield of rice grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:74-80, illus. 1973.
F. J. Peterson, F. E. Wilson, and J. E. Sedberry, joint authors.
1541. OKAWA, T., and TOKITA, H. Studies on the increasing of leaf number of paddy rice seedlings for mechanized transplanting. 3. On the relation between application method of fertilizer and character of paddy rice seedlings. (In Japanese) *Rep. Tohoku Br. Crop Sci. Soc. Japan* 18:6-7, illus. Mar. 1974.
1542. OKAMOTO, Y., and HATANAKA, Y. Effect of Na on growth of rice plant. (In Japanese) *Proc. Kinki Symp. Crop Sci. Plant Breed. Soc.* 16:29-31, illus. Mar. 1971.
1543. OTTAVO, Y., CELIS, A., and ORTEGA, H. H. Efecto de las escorias de alto horno en la producción de arroz. [Effect of the slags of blast furnace on rice production.] *In Instituto Colombiano Agropecuario. Programa Nacional de Arroz VI Reunion Anual*, 1974, p.115-125, illus.
Includes discussion.
1544. OUPATHUM, J., and SEARLE, P. G. E. The effect of water level on the availability to lowland rice of nitrogen from organic matter. *Res. Rep. Univ. Sydney Rep. Agron. Hortic. Sci.* 2:14. Sept. 1974.
1545. PALANISWAMY, K. M., VENKATESAN, G., and SADAYAPPAN, S. Grain yield of CO 36 and IR 20 rice varieties as influenced by different nitrogen doses. *Farm Fact.* 8(4):21-22, illus. Feb. 1974.

1546. PANDA, S. C., and NAYAK, R. C. Effect of zinc on the growth and yield of rice. *Indian J. Agron.* 19(1):9-13, illus. Mar. 1974.
1547. PANDEY, J., and DAS, K. C. A note on nitrogen, phosphorus and potassium requirement of rice (IR 8). *Indian J. Agron.* 19(3):389-399, illus. Sept. 1973.
1548. PARTOHARDJONO, S., and FITTS, J. B. Sulfur coated urea (SCU) effectiveness on yield of lowland rice grown under several water management regimes. *Contr. Cent. Res. Inst. Agric. Bogor*, 11, 14 p., illus. 1974. Indonesian summary.
1549. PATNAIK, S., SARANGAMATH, P. A., and SHINDE, B. N. Increasing efficiency of citric acid soluble phosphates and rock phosphates for growing rice. *Fert. News* 19(12):46-50, illus. Dec. 1974.
1550. PATRICK, W. H., DELAUNE, R. D., and PETERSON, F. J. Nitrogen utilization by rice using ¹⁵N-depleted ammonium sulfate. *Agron. J.* 66(6):819-820, illus. Nov./Dec. 1974.
1551. PATRICK, W. H., PETERSON, F. J., and WILSON, F. E. Response of lowland rice to time and method of application of phosphate. *Agron. J.* 66(3):459-460, illus. May/June 1974.
1552. PATRO, G. K., and TOSH, G. C. Compatibility of urea with weedicide, fungicide and insecticide in rice crop. *Agric. Agro-Ind. J.* 6(1):16-18, illus. Jan. 1973.
1553. PETERSON, F. J. Comparing broadcast to drilled fertilization, sources of N, and NPK rates. *Rice J.* 77(7):54. July 1974.
1554. PETERSON, F. J., and WILSON, F. E. Comparing drilled to broadcast fertilizer placement at varying nitrogen and phosphorus rates. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:49-50, illus. 1973; 66th:63-65, illus. 1974.
1555. PETERSON, F. J., WILSON, F. E., and SEDBERRY, J. E. The effect of seed treated with zinc on the yield of Vista rice grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:44-45, illus. 1974.
1556. PETERSON, F. J., and others. The effects of applications of ammonium sulphate and urea with and without zinc on the yield of rice grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:67-68, illus. 1973. F. E. Wilson, R. H. Brupbacher, and J. E. Sedberry, joint authors.
1557. PETERSON, F. J., and others. The effects of applications of certain micro- and secondary nutrient elements on the yield of rice grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:62-63, illus. 1973. F. E. Wilson, R. H. Brupbacher, and J. E. Sedberry, joint authors.
1558. PETERSON, F. J., and others. The effects of applications of certain micro- and secondary nutrient elements on the yield of Vista rice grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:41-43, illus. 1974. E. Wilson, R. H. Brupbacher, and J. E. Sedberry, joint authors.
1559. PETERSON, F. J., and others. The effects of applications of five rates of zinc on the yield and zinc content of the soil and leaves of rice plants grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:69-71, illus. 1973. F. E. Wilson, P. E. Schilling, R. H. Brupbacher, and J. E. Sedberry, joint authors.
1560. PETERSON, F. J., and others. The effects of applications of molybdenum, zinc, lime, and gypsum on the yield of rice and soybeans grown on Wrightsville Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:56-61, illus. 1973. W. J. Peevy, E. Wilson, and J. E. Sedberry, joint authors.
1561. PETERSON, F. J., and others. The effects of applications of sulphur and zinc on the yield of rice grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:64-66, illus. 1973. F. E. Wilson, R. H. Brupbacher, and J. E. Sedberry, joint authors.
1562. PETERSON, F. J., and others. The effects of different sources of zinc on the yield of rice and the residual zinc content of Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:72-73, illus. 1973. F. E. Wilson, P. E. Schilling, and J. E. Sedberry, joint authors.
1563. PETERSON, F. J., and others. NPK rate experiments for Labelle on the L. E. Cramer Farm. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:71-77, illus. 1974. L. E. Cramer, J. Shipp, and W. H. Willis, joint authors.
1564. PETERSON, F. J., and others. NPK rate experiments for Starbonnet and Labelle. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:55-62, illus. 1974. F. E. Wilson, R. H. Brupbacher, and J. E. Sedberry, joint authors.
1565. PETERSON, F. J., and others. NPK rate experiments for Vista and Starbonnet. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:41-43, illus. 1973. F. E. Wilson, R. H. Brupbacher, and J. E. Sedberry, joint authors.

1566. PETERSON, F. J., PATRICK, W. H., and WILSON, F. E. Sources of nitrogen for topdressing rice. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:54-55, illus. 1973; 66th:69-70, illus. 1974.
1567. PETERSON, F. J., and others. Sources of slow release nitrogen and a nitrification inhibitor for rice. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:51-53, illus. 1973; 66th:66-68, illus. 1974.
W. H. Patrick, R. D. Delaune, and F. E. Wilson, joint authors.
1568. PRASAD, B., and JHA, J. Effect of different levels of nitrogen on the uptake of N, P and K by rice (T.N-1). Indian J. Agron. 13(3):357-361, illus. Ref. Sept. 1973.
1569. PRASAD, B. Effect of high doses of fertilizers on the utilization of non-exchangeable potassium by rice (T.N-1). Indian J. Agron. 19(2):98-101, illus. June 1974.
1570. PUTTASWAMY GOWDA, B. S., and SRINIVASAN, K. V. Collaborative approach for optimising crop production under limited availability of fertilisers and the farmer's experience. Fert. News 19(2):51-55, illus. Dec. 1974.
1571. RAGHAVAN PILLAI, G., and GEORGE, C. M. Studies on the performance of rice var. IR-8 under varying levels of nitrogen and spacing. Agric. Res. J. Kerala 11(1):38-42, illus. Mar. 1973.
1572. RAJALE, G. B., and PRASAD, R. Relative efficiency of urea, nitrification inhibitor treated urea and slow release nitrogen fertilizers for rice (*Oryza sativa* L.). J. Agric. Sci. 83(2):303-307, illus. Ref. Oct. 1974.
1573. RAMTEKE, J. R., and NAGPURE, N. S. A note on the effect of N and P on quality of three paddy varieties. P. K. V. (Punjabrao Krishi Vidyapeeth) Res. J. 2(2):138-139, illus. Jan. 1974.
1574. RICE fertilizer research. Ricemill News 10(5):50, illus. Jan./Feb. 1974.
IRRI varieties and Peta.
1575. RODRIGO, D. M. Effect of organic manure, farmyard manure, compost, and green manure on rice. Int. Rice Comm. Newsl. 23(1):16-28, illus. Ref. Mar. 1974.
1576. RODRIGUEZ, G. R. Potential for fertilizer use. Agric. Econ. Stat. Mark. News Dig. [Philippines] 8(23/24):4 p., illus. Sept./Oct. 1974.
1577. ROJAS W., C., and ARAOS F., J. F. Fertilización del arroz. [Fertilization of rice.] Invest. Prog. Agric. 6(2):5-6, illus. Sept. 1974.
1578. ROSAS I., R. S. Fertilización y producción de arroz. [Fertilization and rice production.] Tierra 29(5):203-206, illus. May 1974.
1579. RUTTANABUREE, K., and SEARLE, P. G. E. The availability of phosphate from fertilisers to lowland rice. Res. Rep. Univ. Sydney Dep. Agron. Hort. Sci. 2:14-15. Sept. 1974.
1580. RUTTANABUREE, K., and SEARLE, P. G. E. The relative availability of phosphate fertilisers to lowland rice. Res. Rep. Univ. Sydney Dep. Agron. Hort. Sci. 1:13-14. Sept. 1973.
1581. SADANANDAN, A. K., SIVAPPAH, A. N., and GURUSWAMY, M. Response of CO-25 and ADT-27 rice to nitrogen, phosphorus, potash and green manure. Agric. Res. J. Kerala 11(2):130-134, illus. Sept. 1973.
1582. SAHU, B. N., MAITY, K., and MISRA, S. N. Comparative efficiencies of rock phosphate and superphosphate for rice in a laterite soil. Fert. News 19(11):23-25, illus. Nov. 1974.
1583. SAMY, J., and others. Fertiliser work with padi Ria in the Muda Project. Telok Chengal, Alor Star, Padi Experiment Station, Jan. 1970. 56 p., illus.
R. H. Geissenhainer, C. C. Phang, and A. Wong, joint authors.
1584. SARWAR, M., and MIAN, M. A. Effect of phosphorus and zinc fertilization on yield and chemical composition of two rice varieties. Pak. J. Sci. Res. 24(1/2):38-42, illus. Ref. Jan./Mar. 1972.
IRRI-Pak rice and Basmati 370.
1585. SCHAFER, P., and GEIDEL, H. Berechnung und Darstellung von NPK-Dungerwirkungen aus dem Fertilizer-Program der FAO-Freedom from Hunger Campaign (FFHC) in Ghana. [Calculation and demonstration of the effects of NPK fertilizers from the fertilizer programme of the FAO Freedom from Hunger Campaign (FFHC) in Ghana.] Z. Acker-und Pflanzenbau. 137(1):1-23, illus. Ref. 1973.
English summary.
Includes rice.
1586. SCHERER, C. H., and BACHA, R. E. Aplicação do nitrogênio em varias fases de desenvolvimento do arroz irrigado. [Nitrogen application in the various phases of development of irrigated rice.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p. 76-77, illus.

1587. SCHERER, C. H., and BACHA, R. E. Níveis de nitrogênio na cultura do arroz irrigado. [Nitrogen levels in rice cultivation.] *In* An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.78-80, illus.
1588. SEDBERRY, J. E., and others. The effects of applications of different sources of zinc on the yield of rice and the residual zinc content of Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:49-51, illus. 1974.
F. J. Peterson, F. E. Wilson, and P. E. Schilling, joint authors.
1589. SEDBERRY, J. E., and others. The effects of applications of five rates of zinc on the yield and zinc content of the soil and leaves of rice plants grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:52-54, illus. 1974.
F. J. Peterson, F. E. Wilson, P. E. Schilling, and R. H. Brupbacher, joint authors.
1590. SEDBERRY, J. E., PETERSON, F. J., and WILSON, F. E. The effects of applications of limestone and zinc on the yield of rice grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:46-48, illus. 1974.
1591. SEDBERRY, J. E., and others. The effects of applications of sulphur and zinc on the yield of Vista rice grown on Crowley Silt Loam. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:37-40, illus. 1974.
F. J. Peterson, F. E. Wilson, R. H. Brupbacher, and P. E. Schilling, joint authors.
1592. SEDBERRY, J. E., PETERSON, F. J., and WILSON, F. E. Using zinc in rice production. *La. Agric.* 17(2):8-9, 11, illus. Winter 1973-74.
1593. SHANKARA REDDI, G. H., YOGESWARA RAO, Y., and PRASADA RAO, Y. Residual effect of N, P and K applied to IR 8 rice on succeeding soybean (EC.14437) crop. *Indian J. Agric. Res.* 7(3/4):177-182, illus. Ref. Sept./Dec. 1973.
1594. SHARMA, S. N. A note on relative efficiency of sulphur-coated urea (slow-release N-fertilizer) and urea in rice-soils. *Indian J. Agron.* 18(3):399-400, illus. Sept. 1973.
1595. SHASTRY, S. V. S. Fertilizer: a component not a substitute for good management. *Indian Farming* 23(11):15-17, illus. Feb. 1974.
1596. SHIMOKAWA, H., TSUCHIYAMA, K., and MORIYAMA, Y. Application of the straw in paddy field and plant growth. (In Japanese) *Res. Rep. Fukuoka Agric. Exp. Stn.* 11:42-47, illus. Aug. 1973.
1597. SHIKENKO, B. K. O primenenii khloristogo ammoniya pod ris. [Application of ammonium chloride to rice.] *Agrokimiya* 8:30-34, illus. 1974.
1598. SHOJI, S., NOGI, T., and SUZUKI, K. Absorption of fertilizer and soil nitrogen by rice plants under the various cultural conditions of different paddy fields. I. Relationships between the rate of basal nitrogen and nitrogen absorption by rice plants. *Tohoku J. Agric. Res.* 25(3/4):113-124, illus. Ref. Dec. 1974.
1599. SHUKLA, G. C. Nitrogen application benefits Bluebelle rice in Guyana. *Rice J.* 77(8):20-22, illus. Aug. 1974.
1600. SICAEROS R., D. G. Fertilice su arrozal para mas cosechas. [Fertilize your ricefield for higher yields.] *Gac. Agric. [Mexico]* 28(467):5. June 20, 1974.
1601. SILVA, L. V. DA. Adubação foliar em arroz. [Foliar fertilization in rice.] *Lav. Arroz.* 27(281):42-43. Sept./Oct. 1974.
1602. SINGH, A., and PRASAD, L. A note on response of early paddy varieties at two levels of fertility. *Indian J. Agron.* 18(3):381-383, illus. Sept. 1973.
1603. SINGH, M., and SINGH, R. K. Split application of potassium in rice. *Potash News.* 7(4):4-12, illus. Ref. Oct./Dec. 1972.
1604. SON, E. R. Experiments on surfactants for controlling red discoloration of rice var. IR 607. (In Korean) *Res. Rep. Off. Rural Dev. [Korea]* 16(Soil Sci. Fert.):79-85, illus. Ref. Aug. 1974.
English summary.
1605. SRISOMBOON, S. Economical method of phosphate application for the rotation of rice and soybean. (In Thai) *In Thailand.* Rice Dept. Annual research report, 1971, p.242-245. Bangkok, 1974.
English summary.
1606. SRISOMBOON, S., and CHINDA, M. Effect of lime and phosphate on rice on Ongkarak and Rangsit acidic soil series. (In Thai) *In Thailand.* Rice Dept. Annual Research report, 1971, p.276-279, illus. Bangkok, 1974.
English summary.
1607. SRISOMBOON, S. NPK fertilizer trials on rice in different soil series in farmers' field. (In Thai) *In Thailand.* Rice Dept. Annual research report, 1971, p.288-292, illus. Bangkok, 1974.
English summary.

1608. SRSOMBOON, S. Residual effect of P and K on rice in Nakorn Pathom, Saraburi, Lampang and Roi ET soil series in farmers' field. (In Thai) In Thailand. Rice. Dept. Annual research report, 1971, p.293-296. Bangkok, 1974.
English summary.
1609. SRSOMBOON, S., and CHINDA, N. Simple fertilizer trials on farmers' fields in deep water rice area. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.280-283. Bangkok, 1974.
English summary.
1610. STEINMETZ, S., and MOTA, F. S. DA. Comportamento de seis cultivares de arroz submetidas a quatro niveis de adubação nitrogenada e sua relação com radiação solar. [Behaviour of six cultivars of rice subjected to four levels of nitrogen fertilization and its relation to solar radiation.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.97-103, illus.
1611. STOLYPIN, E. I., and POZHILOV, V. I. Resultaty ispytaniya razlichnykh form azotnogo udobreniya na posevakh risa v poime Amy Dar'i. [Results of testing different forms of nitrogen fertilizer on rice plantings in the Amu-Darya floodplain.] Khim. Sel'sk. Khoz. 12(6):414-415, illus. 1974.
1612. SUBBIAH, B. V., and DAS, S. K. Fertiliser use efficiency as revealed by studies with isotopes. Fert. News 19(12):3-11 illus. Ref. Dec. 1974.
1613. SUBRAMONEY, H. S. Rationale for application of phosphorus and potassium. Fert. News 19(9):16-19, illus. Oct. 1974.
1614. SUTHDHANI, S., and JOOTANON, P. Effects of slowly available nitrogen fertilizers (SANF) on rice. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.165-173, illus. Bangkok, 1974.
English summary.
1615. SUTHDHANI, S., and SANGTIEN, C. The interaction between spacings and three levels of nitrogen fertilizer on photoperiod-nonsensitive rice variety. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.189-198, illus. Bangkok, 1974.
English summary.
1616. SUTHDHANI, S., and SANGTIEN, C. A study on the split application of nitrogen fertilizer on three photoperiod-nonsensitive rice varieties. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.181-188, illus. Bangkok, 1974.
English summary.
1617. SUWANWAONG, S., SUTHDHANI, S., and SEETANUN, W. The responses of photoperiod-nonsensitive rice varieties to different rates of nitrogen fertilizer in dry and wet seasons. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.174-180, illus. Bangkok, 1974.
English summary.
1618. TAGUCHI, K., MIZUNO, Y., and NOGUCHI, I. Absorption of soil nitrogen and fertilizer nitrogen by rice plants in different regions. (In Japanese) Tohoku Agric. Res. 15:67-71, illus. Apr. 1974.
1619. TAIRA, H., and others. Effect on nitrogen fertilizer application on chemical composition of lowland brown rice. (In Japanese) Proc. Crop Sci. Soc. Japan 43(2):144-150, illus. Ref. June 1974.
H. Taira, A. Matsushima, and S. Matsushima, joint authors.
English summary.
1620. TAKEDA, M., and others. Experiments on fertilizer application methods in raising young rice seedlings. (In Japanese) Tohoku Agric. Res. 15:97-102, illus. Apr. 1974.
E. Aoyagi, T. Sato, and Y. Harada, joint authors.
1621. TAKEFUJI, K., and others. The effects of top-dressing at the ripening stage of rice plant. 1. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 11:26-29, illus. Aug. 1973.
K. Shinhara, S. Kojo, and K. Harada, joint authors.
1622. TANAKA, M. Deep placement of additional fertilizer in rice cultivation. (In Japanese) Tokyo, Fumin-kyokai, 1974. 204 p., illus.
1623. TARYO ADIWIGANDA, Y., and HUTAGALUNG, O. Percobaan pemupukan padi PB 5 pada tanah hidromorfik kelabu di Sumatera Utara. [A manuring experiment on PB 5 rice crop (IR 5) on grey hydromorphic soil in North Sumatra.] Bull. Balai Penelit. Perkeb. Medan 5(1):17-22, illus. Mar. 1974.
English summary, p.4
1624. THAILAND. DEPT. OF AGRICULTURE. SOIL FERTILITY SECTION. The hand book of methods on fertilizer experiments, 1969. Bangkok, n.d. 136 p.
Includes rice experiments.
1625. THOMPSON, L., and WELLS, B. R. Zinc fertilization of rice on some Arkansas soils. Ark. Farm Res. 23(2):11, illus. Mar./Apr. 1974.

1626. TOKUNAGA, Y., and HAYAMI, A. Manuring management practices of the paddy field highly utilized with introduced vegetables. *JARQ (Japan Agric. Res. Q.)* 8(2):61-66, illus. Apr. 1974.
1627. TRAORE, M. F. Étude de la fumure minérale azotée intensive des céréales et du rôle spécifique de la matière organique dans la fertilité des sols au Mali. [Study of the intensive nitrogen fertilizing of cereals and the particular part of organic matter in soil fertility in Mali.] *Agron. Trop. [France]* 29(5):507-506, illus. May 1974.
English and Spanish summaries.
1628. TULIN, A. S., and MIKHEEV, E. K. Vliyanie mineral'nykh udobrenii na ris. [The effect of mineral fertilizers on rice.] *Agrokhimiya* 11:72-78, illus. Nov. 1973.
1629. U TIN U. Dinamika podviznykh form azota i fosfora v lugovo-chernozemnoi pochve v svyazi s vneseniem azotnykh i fosfornykh udobrenii pod ris. [Effect of nitrogen and phosphorus application on changes in available nitrogen and phosphorus forms in a meadow-chernozem soil under rice.] *Tr. Kuban S-kh. Inst.* 42:26-28. 1972.
1630. U.S. NATIONAL FERTILIZER DEVELOPMENT CENTER. Soil-fertilizer-plant research, 1969-1972. Muscle Shoals, Alabama, 1973. 49 p., illus. Ref. (Bull. Y-54)
1631. VADIVELU, S., and others. Effect of split application of potassium on rice (*Oryza sativa* L.). *Madras Agric. J.* 60(8):966-969. Aug. 1973.
G. Ramanathan, K. K. Krishnamoorthy, K. S. Shetty, and J. Helkiah, joint authors.
1632. VARMA, S. C. Response of dwarf indica rice varieties to nitrogen application. *Indian J. Agron.* 19(3):223-226, illus. Sept. 1974.
1633. VELLY, J. La réponse du riz au potassium à Madagascar. [The response of rice to potassium in Madagascar.] *In Potassium in tropical crops and soils*, p.453-465, illus. Berne, Switzerland, International Potash Institute, 1974.
English summary.
1634. VIEWEG, B. Rice varieties and nitrogen response under rainfed and irrigated conditions. (Paper presented at the Annual Research Conference at KATRIN, Ifakara, Tanzania, 1972) 11 p., illus.
1635. VO TONG XUAN. Fertilizer research at the University of Can Tho. *In Fertilizer research in South Viet-Nam; papers presented at Fertilizer Research Seminar, Saigon, 1974*, p.83-99, illus. Ref.
1636. WARD, R. C., WHITNEY, D. A., and WESTFALL, D. G. Plant analysis as an aid in fertilizing small grains. *In Soil testing and plant analysis*, Rev. ed., p.323-348, illus. Ref. Madison, Wisconsin, Soil Science Society of America, 1973.
1637. WEERAWICKREMA, S. K. A. Report on responses of paddy to straight mixed and pelleted fertilizer in the dry zone during three seasons. Peradeniya, Dept. of Agriculture, n.d. 25 p., illus., diagrams.
1638. WELLS, B. R. How to cope with nitrogen fertilizer shortage. *Rice J.* 77(4):14-15, illus. Apr. 1974.
1639. WESTFALL, D. G. Tissue analysis of rice. *In Rice research in Texas, 1971*, p.24-28, illus. Ref. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR 2092-3105)
Used in making fertilizer recommendations.
1640. WESTFALL, D. G. Use of sulfur-coated urea, a slow release fertilizer, as a source of nitrogen for rice. *In Rice research in Texas, 1971*, p.8-11, illus. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)
1641. WILSON, F. E., and PETERSON, F. J. The effect of rate of nitrogen on leaf nitrogen concentration and yield of Saturn rice. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:85-91, illus. 1973.
1642. WILSON, F. E., and PETERSON, F. J. The effect of rate of nitrogen on leaf nitrogen concentration and yield of Saturn rice. *Rice J.* 77(7):53-54. July 1974.
1643. WILSON, F. E., and PETERSON, F. J. Timing midseason nitrogen at developmental stages of the rice plant. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:81-84, illus. 1974.
1644. WILSON, F. E., and PETERSON, F. J. Yield of Saturn rice as affected by single vs split N application. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:92-94, illus. 1973.
1645. WRIGHT, C. L., MEYER, R. L., and CAMARGO ENGLER, J. J. DE. Fertilizer response for annual crops in Brazil Columbus, Ohio, Dept. of Agriculture & Rural Sociology, Nov. 1974. 23 p., illus. (Occas. Pap. No.210)
1646. YAMANE, I. Reconsideration of the experiments on continuous application of compost. 2. Experiment in paddy fields. (In Japanese) *Agric. Hortic.* 49(7):848-852, illus. July 1974.

1647. YAMASHITA, K., and FUJIMOTO, T. Studies on fertilizers and quality of rice. I-IV. (In Japanese) Bull. Tohoku Natl. Agric. Exp. Stn. 48:55-63; 65-79; 81-90; 91-96, illus. Ref. Mar. 1974.
English summaries.
I. The effects of fertilizers on physico-chemical properties of rice starch; II. The effects of nitrogen fertilization on eating quality and some physico-chemical properties of rice starch; III. The effects of phosphorus and potash fertilization on eating qualities and some physico-chemical properties of rice starch; IV. Relationship between protein content of milled rice as affected by nitrogen fertilization and eating quality.
1648. YAMAZAKI, K., and others. Studies on diagnosis of rice cultivation. 1. Identification of the stages of development for additional fertilization. (1). (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:32-33, illus. Mar. 1974.
H. Mimoto, S. Ono, and T. Kudo, joint authors.
1649. YOGESWARA RAO Y., and others. Studies on split and foliar application of complex fertilisers on IET 1991 rice. Indian J. Agric. Res. 7(3/4):204-206, illus. Sept./Dec. 1973.
T. V. Ranga Reddy, G. H. Shankara Reddi, and M. S. Venkateswarlu, joint authors.
1650. YOSHIWARA, M., TAKAJO, T., and SHIROTO, T. Effect of the difference of fertilizer application methods on rice quality. (In Japanese) Tohoku Agric. Res. 15:144-146, illus. Apr. 1974.
1651. ZHUKOV, V. A., SAVCHUK, V. P., and YARMISIN, D. V. Vliyaniye mineral'nykh udobrenii i rezhima orosheniya na produktivnost' risa v usloviyakh yuga Ukrainy. [Effect of mineral fertilizers and irrigation regimes on the productivity of rice in southern Ukraine.] Tr. Kishinev. S-kh. Inst. 99:112-118, illus. 1973.

Harvesting

1652. AHN, S. B. Methods of harvesting and drying rice. (In Korean) Agric. Technol. [Korea] 8(7):1-2, illus. Sept. 1974.
1653. CHEANEY, R. L., MADERA, A. G., and AZCONA, F. F. Guía para la recolección y secado de arroz. [Guide for the harvesting and drying of rice.] Dominican Republic, Santiago de los Caballeros, 1968. 11 p., illus.
1654. CURFS, H. P. F. Epoque optimum et différences variétales pour la récolte du riz. [Optimum time and varietal differences for rice harvesting.] Agron. Trop. [France] 29(8):812-820, illus. Aug. 1974.
English and Spanish summaries.
1655. DE LA CRUZ, J. V. Harvesting conditions affecting the threshing of palay. College, Laguna, 1973. 81 p., illus. Ref. Thesis (M.S.)--University of the Philippines at Los Baños.
1656. EVALUACIÓN de pérdidas en la operación de trilla de arroz en los distritos de riego; segundo estudio. [Evaluation of threshing losses in rice in the irrigation districts; second investigation.] Anal. Situac. Agric. Sinaloa 10(80):299-308. illus. 1972.
1657. FUKUGAWA, S., and MATSUURA, M. Studies on the localization of the customary practice in paddy rice harvesting in Kochi Prefecture and on the factors contributing to the popularization thereof. I-II. (In Japanese) Rep. Shikoku Br. Crop Sci. Soc. Japan 11:7-8; 9-10, illus. Dec. 1974.
I. On the reaping and drying practices; II. On the factors contributing to the popularization of the customary practices.
1658. HIRANO, T., and others. Studies on the traditional harvesting methods of rice in Iwate Prefecture. I. Actual status and local distinction of reaping and drying methods. (In Japanese) Farm Work Res. 20:22-32, illus. 1974.
K. Iwane, Y. Yoneyama, Y. Abe, and Y. Yatsunami, joint authors.
1659. IKEHASHI, H. Classification of unhulled rice age after harvesting. (In Japanese) Agric. Hortic. 49(1):49-50, illus. Jan. 1974.
1660. INOKUTI, A. On the drying degree of unhulled rice at the threshing time in Kagawa and Tokushima Prefectures. (In Japanese) Rep. Shikoku Br. Crop Sci. Soc. Japan 11:16-18, illus. Dec. 1974.
1661. INOKUTI, A. Studies on the traditional harvesting methods of rice in Kagawa Prefecture. I. Reaping and drying methods. (In Japanese) Farm Work Res. 22:33-42, illus. 1974.
1662. JAYAWARDENA, S. D. G. Effect of grain moisture content, time of harvest and method of drying on milling quality of rice. Trop. Agric. [Sri Lanka] 129(3/4):103-118, illus. July/Dec. 1973.
1663. KAMIDE, J. I., and TATENAI, T. Moisture changes of standing rice and water absorption. (In Japanese) J. Yamagata Agric. For. Soc. 31:36-39, illus. Sept. 1974.
English summary.

1664. KANTO RESEARCH GROUP. Studies on the traditional harvesting methods of rice in Kanto Area. I-III. (In Japanese) Farm Work Res. 22:43-52; 53-61; 62-68, illus. Ref. 1974.
I. On the geographical conditions of paddy field and the reaping methods; II. On the methods of drying and threshing; III. On the working process of the harvest.
1665. KHAN, N. H., and HOSSAIN, M. N. Note on the effect of early harvest of summer rice on the yield and quality of seed. Indian J. Agric. Sci. 44(1):64-65, illus. Jan. 1974.
1666. KIM, Y. H. Method of threshing and drying paddy rice. (In Korean) Agric. Technol. [Korea] 7(8):2. Oct. 1973.
1667. KOBAYASHI, Y., and others. Studies on the harvesting and drying of rice plant. III. Preliminary drying method of wet unhulled rice in netbags on drying shelf. (In Japanese) Bull. Hyogo Prefect. Agric. Exp. Stn. 21:9-14, illus. Nov. 1973.
K. Inoue, T. Nakashima, and M. Tabuchi, joint authors.
1668. KOSHIO, H., and others. Harvesting of rice by head feed combine and drying of the wet unhulled rice. (In Japanese) Bull. Hyogo Prefect. Agric. Exp. Stn. 21:1-8, illus. Nov. 1973.
R. Kotani, K. Yamane, Y. Ioroi, M. Nomura, and T. Takami, joint authors.
1669. KURIHARA, H., KINOSHITA, O., and KURODA, T. On the traditional method of rice harvesting in Tottori Prefecture. (In Japanese) Farm Work Res. 19:13-19, illus. Ref. 1973.
1670. LE VAN DUK, and VITKOV, V. Izsledvane na energetichnite pokazateli na vurshachni aparati za oriz. [Studies on the energy characteristics of threshing devices for rice.] Farm Mach. 10(6):77-81. 1973.
Russian and German summaries.
1671. LEN, S. C. Padi harvesting in Malaysia. Malay. Agric. 12:39-45, illus. 1973/74.
1672. LEN, S. C. The study of self propelled rice combine harvesters in the rice fields of North Malaya. Malays. Agric. Res. 3(1):61-65, illus. Apr. 1974.
Malaysian summary.
1673. MITSUISHI, S., and FUJITA, T. Studies on the traditional harvesting methods of rice in Ishikawa Prefecture. (In Japanese) Farm Work Res. 20:33-43, illus. Ref. 1974.
1674. MONTENEGRO G., V., and others. Influencia del contenido de humedad de los granos en la cosecha del arroz. I. Efecto sobre la producción de granos. [The influence of grain moisture on rice harvesting. I. The effect on grain yield.] Rev. Cienc. Agric. 4(2):3-15, illus. July-Dec. 1972.
S. Starling B., J. Domingo G., and A. Dos Reis C., joint authors.
English summary.
1675. MORI, T., and MURAYAMA, S. Studies on the traditional harvesting methods of rice in Aomori and Akita Prefecture. I. Reaping and drying. (In Japanese) Farm Work Res. 20:14-21, illus. 1974.
1676. NAGATO, K., SUZUKI, S., and SADO, T. The moisture contents of rice grains at the harvest-time. (In Japanese) Proc. Crop Sci. Soc. Japan 43(2):219-223, illus. June 1974.
English summary.
1677. NAKAGAWA, G., WAKAMATSU, M., and YOSHIDA, T. Varietal difference in deterioration of rice quality caused by lengthening reaping period. (In Japanese) Tohoku Agric. Res. 15:152-155, illus. Apr. 1974.
1678. OHASHI, K. A study of harvesting process in rice farming. (In Japanese) Farm Work Res. 19:5-12, illus. 1973.
1679. SAIGO, S., and others. Estimation of best harvesting time by the rate of greenish paddy. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 70:53-62, illus. July 1974.
K. Suzuki, Y. Tsukamoto, and K. Miyata, joint authors.
1680. SAIGO, S., and others. Studies on a judging method of the optimum time of harvest in rice plants. (In Japanese) Bull. Shizuoka Agric. Exp. Stn. 19:1-10, illus. Ref. Oct. 1974.
K. Suzuki, Y. Tsukamoto, and K. Miyata, joint authors.
1681. SHOZAKI, T. Studies on the rice harvesting. VI. Effect of harvesting procedure on rice quality and its relation to present situation of harvesting in Shiroishi district (Saga Prefecture). (In Japanese) Farm Work Res. 22:20-27, illus. Ref. 1974.
1682. SINGH, K. N., and BURKHARDT, T. H. Rice plant properties in relation to lodging. Trans. ASAE 17(6):1169-1172, illus. Ref. Nov./Dec. 1974.
An analysis of the various characteristics of rice plants which might be helpful in determining design parameters for a harvester.

1683. UEKI, K., and others. Investigation on regional characters of traditional rice harvest methods; examples of Kyoto and Shiga Prefectures. (In Japanese) Proc. Kinki Symp. Crop Sci. Plant Breed. Soc. 19:1-4. Mar. 1974.
S. Shigenaga, H. Mori, and T. Yamada, joint authors.
1684. UEKI, K., and others. Investigation on regional characters of traditional rice harvest methods; examples of Osaka, Nara and Wakayama Prefectures. (In Japanese) Proc. Kinki Symp. Crop Sci. Plant Breed. Soc. 19:5-8. Mar. 1974.
S. Shigenaga, H. Mori, and T. Yamada, joint authors.
1685. YON, K. B. Let us thresh Tong-il variety at the spot of harvesting. (In Korean) Agric. Technol. [Korea] 7(8):1, illus. Oct. 1973.
1686. YOSHIHARA, M., TAKAGI, T., and SHIROTO, T. Studies on harvest time of lowland rice. 7. On the process of fullness and inferiority of rice grain. (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:34-36, illus. Mar. 1974.
1687. YOSHIWARA, M., and TAKAJI, T. Reaping time of paddy rice. 2. Effect of variety and method of fertilizer application on rice quality. (In Japanese) Tohoku Agric. Res. 15:149-152, illus. Apr. 1974.

Planting and Transplanting

1688. ABE, S., and TAKAHASHI, S. Studies on transplanting of rice plants with young seedlings. 7. Effect of endosperm on the growth of young seedlings. (2). (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:1-2, illus. Mar. 1974.
1689. AKUTSU, T. Transplanting culture of young rice seedling. (In Japanese) Zasso to Sono Bojo 10:33-35, illus. Mar. 1972.
1690. ALVAREZ, R. C. Direct seeding. Greenfields 3(1):21-23, illus. n.d.
Also in Planters 2(2):32-34. n.d.
1691. AMANO, T., OGAWA, T., and MORIWAKI, R. Growth acceleration of rice plants. II. Growth acceleration technique in mechanical transplanting. (In Japanese) Bull. Hokkaido Prefect. Agric. Exp. Stn. 30:25-31, illus. Ref. Oct. 1974.
English summary.
1692. ASOCIACION NACIONAL DE PRODUCTORES DE ARROZ, PERU. Recomendaciones para trasplante de arroz (variedades Naylamp, Chancay, Huallaga e IR-8). [Recommendations for transplanting rice (varieties Naylamp, Chancay, Huallaga and IR-8).] Arroz [Peru] 8(44):22-23. July/Aug. 1974.
1693. BAGNENKO, V. K., and CHAN DIK KHAN'. Stroki sivbi risu v krimu ta ich vpliv na vrozai. [Rice planting dates in the Crimea and their effect on yield.] Zrosh. Zemlerob. 14:81-85, illus. 1972.
1694. BARTHAKUR, B. C., and GOGOI, H. N. Effect of seedling ages and planting densities on photoperiod insensitive rice varieties under spring planting. Indian J. Agron. 19(1):6-8, illus. Mar. 1974.
1695. BOQUERA, A. P. La siembra directa del arroz. [Direct seeding of rice.] Arroz [Spain] 14(60):5. May 1974.
1696. CASTILLO, C. A. DEL. Diferentes sistemas de siembra para el cultivo del arroz. [Different sowing methods for rice cultivation.] Gac. Agric. [Mexico] 28(467):5. June 20, 1974.
1697. CHANG, S. K., TSENG, S. H., and LIN, P. C. Studies on the methods of raising seedling for power rice transplanter. I. (In Chinese) Taiwan Agric. Q. 10(1):21-42, illus. Ref. Mar. 1974.
English summary.
1698. CHO, M. S., and others. Effect of low-land rice seedling preservation on the rice yield and growth. (In Korean) J. Korean Soc. Crop Sci. 7(1):93-96, illus. Dec. 1959.
S. M. Kuen, D. H. Han, J. C. Kang, and J. S. Cho, joint authors.
English summary.
1699. CHOI, B. R. Studies on the improvement of nursery for better ripening percentage and prevention of leaf discoloration of rice variety "Tongil". (In Korean) J. Korean Soc. Crop Sci. 15:99-113, illus. Ref. Feb. 1974.
English summary.
1700. CHOW, Y. F. Raising rice seedlings; modified "dapog" method described. Newsl. ASPAC Food Fert. Technol. Cent. 24:12-14. Sept./Oct. 1974.
1701. CLOUGH, R. A. New developments in sodseeding rice. Farmers' Newsl. Large Area 91:18-23, illus. July 1974.
1702. COSTA, G. T. DA. Plantio de arroz em linha. [Line planting of rice.] Lav. Arroz. 27(277):44-46, illus. Jan./Feb. 1974.

1703. DARGAN, K. S., and GAUL, B. L. For paddy in alkali soil, seedling age and planting date vital. *Indian Farming* 24 (5):11-12, illus. Aug. 1971.
1704. DIRECT seeding gives high yield. *Mod. Agric. Ind.* 2(4):13, 28. Apr. 1974.
1705. EBATA, M. Growth behavior and varietal difference of rice plants at different planting density. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 68:27-28. Nov. 1973.
1706. EL BAGOURY, O. H. The effect of the orientation of some cereal grains in the seed bed on seedling growth. *Seed Sci. Technol.* 1(4):759-766, illus. Ref. 1973.
French and German summaries.
Includes rice.
1707. EROKHIN, V. D. Termicheskie pokazateli--indikatory vremeni seva risa. [Thermic indexes are indicators for proper dates for sowing rice.] *Tr. Prikl. Bot. Genet. Sel.* 51(1):225-233, illus. Ref. 1973.
1708. FUKAZAWA, S., and NAKAJO, H. Raising of young rice seedlings with carbonized rice hulls for practical use. (In Japanese) *Tohoku Agric. Res.* 15:103-105, illus. Apr. 1974.
1709. GARCIA, E., and VALLEJO, J. Densidades de siembra y fertilización con nitrógeno en arroz de riego en Palmira. [Planting density and nitrogen fertilization of lowland rice in Palmira.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974*, p.152-158, illus.
Includes discussion.
1710. GASTAL, F. L. DA C. Determinação da interação densidade de semeadura e modo de implantação em dois níveis de N, mais indicada para a cultivar de arroz IAS 12-9 Formosa, na região sudeste do Rio Grande do Sul. [Determination of the interaction between sowing density and method of implantation in two nitrogen levels, moreover indicated for the cultivation of rice IAS 12-9 Formosa in the southeastern region of Rio Grande do Sul.] In *An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.61-64.
1711. HALAPPA, G., and others. Optimum time of planting high yielding varieties of paddy in kharif season of tank fed tracts of Karnataka. *Mysore J. Agric. Sci.* 8(4):488-492, illus. 1974.
T. A. Khan, M. Mahadevappa, and M. N. Venkataramu, joint authors.
1712. HASHIKAWA, U. Standard techniques for raising rice seedlings in the facilities. (In Japanese) *Kinki Chugoku Chiki ni okeru Shin-gijutsu* 7:1-18, illus. 1974.
1713. HINO, G., CHIBA, B., and TOYOYAMA, K. Raising techniques of rice seedlings with 3-4 leaves. 1. Temperature by heating in tunnel-like seedbed covered by plastic. (In Japanese) *Tohoku Agric. Res.* 15:133-135, illus. Apr. 1974.
1714. HOSHIKAWA, K. Theory and technique of raising paddy rice seedlings for mechanized transplanting cultivation. 10-21. (In Japanese) *Agric. Hortic.* 49(1):72-76; (2):349-354; (3):475-478; (4):595-598; (5):701-706; (6):821-826; (7):949-953; (8):1069-1074; (9):1189-1193; (10):1299-1302; (11):1419-1424; (12):1549-1552, illus. Ref. Jan.-Dec. 1974.
1715. HOSHINO, T. Effects of density on mix-planting in rice. (In Japanese) *Jap. J. Breed.* 24(Suppl.1):176-177, illus. 1974.
1716. HOSHINO, T. Effects of planting density on growth and yield in rice and sorghum. *SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J.* 6(1):47-54, illus. Ref. Mar. 1974.
1717. ITO, T., and YAMAGUCHI, S. Studies on the spacing density of rice plants. (In Japanese) *Bull. Mie Agric. Tech. Cent.* 1:9-17, illus. Ref. Mar. 1972.
1718. IYAMA, J., HASHIMOTO, A., and KATO, Y. Rice cultivation by broadcast seedling with use of paper pot. I. The raising-seedling method and its yielding ability. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 40:4-5, illus. Apr. 1974.
1719. JINDAL, V. K., and SAINI, S. S. Replace match method of rice cultivation by transplanting. *Agric. Agro-Ind. J.* 6 (1):23-24, illus. Jan. 1973.
1720. KANAYAMA, H. Studies on the young seedling transplanting culture of paddy rice. (In Japanese) *Bull. Saga Agric. Exp. Stn.* 12:1-32, illus. Mar. 1972.
1721. KIM, Y. S., HARAKI, T., and NISHIKAWA, H. Research on the varietal differences to air temperature and fertilizing method in nursing of rice young seedlings. (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 18:10-11, illus. Mar. 1974.
1722. KINEBUCHI, M., and HARAKI, T. Community formation in raising rice seedlings by dense sowing. I. Time of fertilizer application and its response to community formation. (In Japanese) Rep. Tohoku Agric. Exp. Stn. 17:53-58, illus. Mar. 1974.

1723. KINEBUCHI, M., SUGIMOTO, B., and KUROSAWA, T. List of studies on direct sowing culture of paddy rice in Tohoku district: research subjects and abstracts of their results in 1946-1972. (In Japanese) Rep. Tohoku Agric. Exp. Stn. 17:1-52, illus. Ref. Mar. 1974.
1724. KINEBUCHI, M., and HARAKI, T. Raising techniques of rice seedlings for mechanized transplanting culture. (In Japanese) Agric. Hortic. 49(2):281-285, illus. Feb. 1974.
1725. KINEBUCHI, M., and HARAKI, T. Research on the ecotype of rice seedlings sown densely. 1. On the relationship between the time of top-dressing and the growth of 4th leaf age seedlings. (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:8-9, illus. Mar. 1974.
1726. KINEBUCHI, M., and HARAKI, T. Review of raising techniques of rice seedlings for mechanized transplanting culture. 2. (In Japanese) Agric. Hortic. 49(3):391-395, illus. Mar. 1974.
1727. KOBAYASHI, N., and TAKEDA, T. Simple outdoor raising method of young rice seedlings in snowy region. 2. Systematization of simple outdoor raising of rice seedlings. (In Japanese) Tohoku Agric. Res. 15:109-112, illus. Apr. 1974.
1728. KOBAYASHI, N., and others. Studies on the open nursing seedlings in the rice transplanting machinery seedlings. (In Japanese) Bull. Fukushima Prefect. Agric. Exp. Stn. 13:63-79, illus. Mar. 1974.
T. Sakai, T. Takeda, S. Mitsuhashi, and F. Nagashima, joint authors.
1729. KOJO, S., IMABAYASHI, S., and OKUMA, M. Studies on the raising of seedling under large scale system in warmer region of Japan. I. Control of the emergence and greening. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 40:6-7, illus. Apr. 1974.
1730. KOKUE, N., and NISHIO, T. A study on the uniform emergence of seedlings in the direct sowing culture of rice plants in irrigated field; on the methods and availability of coating seeds with CaO₂ powder. (In Japanese) Bull. Tottori Agric. Exp. Stn. 14:1-5, illus. Ref. Oct. 1974.
English summary.
1731. LEE, E. W., and LEE, J. S. A comprehensive study on growing of seedlings and planting density as a measure against late transplanting of paddy rice. (In Korean) J. Korean Soc. Crop Sci. 11(11):1-9, illus. Ref. July 1972.
English summary.
1732. LEE, H. K. Instruction on rice transplanting. (In Korean) Agric. Technol. [Korea] 8(3):1-3, illus. May 1974.
1733. LEE, H. K. Renovation in rice seed bed. (In Korean) Agric. Technol. [Korea] 8(2):1-2, illus. Apr. 1974.
1734. LEE, J. C., MOON, C. S., and SUH, H. Y. Effect of different cultivating methods on the growth and yield in rice. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):111-115, illus. Ref. Aug. 1974.
English summary.
1735. MABUCHI, T., and TAKAHASHI, T. Open growing of nursery plants for rice transplanters. (In Japanese) Rep. Tokushima Agric. Exp. Stn. 13:35-38, illus. Mar. 1972.
1736. MAHADEVAPPA, M., and PANCHAKSHARIAH, S. Studies on periodical planting of high yielding varieties of rice in Karnataka. Mysore J. Agric. Sci. 8(3):315-323, illus. 1974.
1737. MAHAPATRA, I. C., and others. Rice in north-west India--schedule your planting dates. Indian Farming 23(10):15-16, illus. Jan. 1974.
R. Singh, R. N. Singh, and M. Singh, joint authors.
1738. MIYASAKA, A. Rice cultivation by broadcasting seedlings in paper pots for economical management. (In Japanese) Agric. Hortic. 49(4):513-517, illus. Apr. 1974.
1739. NAKABORI, T., and others. Ecological studies on mechanized transplanting culture of lowland rice. 3. On the condition of temperature in transplanting time. (2). (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:15-16, illus. Mar. 1974.
H. Mimoto, K. Honda, M. Matsuda, and H. Sato, joint authors.
1740. NAKATA, K. Studies on life and death of tillers already developed in the rice-nursery caused after transplantation. 1. Soil temperature and quality of rice seedlings. (In Japanese) Proc. Kinki Symp. Crop Sci. Plant. Breed. Soc. 16:25-28, illus. Mar. 1971.
1741. NAKATA, K. Studies on life and death of tillers already developed in the rice-nursery caused after transplantation. II-III. (In Japanese) Bull. Nara Univ. Educ. Nat. Sci. 21(2):49-53; 55-61, illus. Ref. 1972.
English summaries.
II. On the relation of nitrogen content and carbohydrate in rice seedlings to life and death of tillers grown in the rice nursery; III. Effect of plant growth regulators on promotion of the growth of tillers on the low position of nodes.

1742. NANBU, M., and NAGAMATSU, T. For farmers trying direct seeding for the first time. (In Japanese) *Farming Mech.* 2673:19-22, illus. Feb. 1974.
1743. NISHIUCHI, H. High yielding theory of rice by transplanting seedlings using shokubyo-shi. (In Japanese) *Proc. Kinki Symp. Crop Sci. Plant Breed. Soc.* 19:37-39. Mar. 1974.
1744. NISHIUCHI, H. High yielding theory of rice by transplanting with seedling paper and attention in operation. (In Japanese) *Agric. Hortic.* 49(5):638-642, illus. May 1974.
1745. NUREÑA S., M. A. Sistemas de siembra y distanciamientos óptimos para arroz de secano en la selva baja del Peru. [Sowing methods and optimum spacing for upland rice in the Peruvian jungle.] *Inf. Tec. Programa Nac. Arroz Peru* 58:18 p., illus. 1971.
1746. OKAWA, M., TANAKA, G., and TSUNODA, T. Establishment of technical system for direct seeding culture of paddy rice by use of semi-irrigated nursery. 1. Seeding methods. (In Japanese) *Tohoku Agric. Res.* 15:106-108, illus. Apr. 1974.
1747. ONUMA, W., TAMURA, S., and SAITO, S. Study on the relation between some seedling conditions and nature in young rice plant transplanting by machine. (In Japanese) *Bull. Yamagata Prefect. Agric. Exp. Stn.* 8:56-79, illus. Mar. 1974.
1748. PADALIA, C. R. A note on studies on plant population and methods of stand establishment for direct seeded rice. *Indian J. Agron.* 18(3):394-397, illus. Sept. 1973.
1749. PIACCO, R. Prospettive sulla semina del riso all'asciutto. [Prospects on sowing rice on dry land.] *MMA (Macch. Mot. Agric.)* 31(12):43-46, illus. Dec. 1973.
1750. RAMIATI, and OLDEMAN, L. R. Influence of plant density on some growth characteristics and grain yield. In *Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II*, p.43-50, illus. Jakarta, 1974.
1751. SATO, T. Efficient utilization method of CaO₂ for young seedling establishment in flooded paddy field in direct sowing. I. Effect of sticking agent for calcium peroxide dressing on emergence. (In Japanese) *Proc. Hokuriku Br. Crop Sci. Soc. Japan* 7:3-5, illus. Mar. 1972.
1752. SILVA S., H., VARGAS, H., and ARAMENDIZ, H. Metodos y densidades de siembra en arroz de secano mecanizado. [Methods and planting density in mechanized upland rice.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974*, p.162-164, illus.
Includes discussion.
1753. SILVA S., H., VARGAS, J., and ARAMENDIZ, H. Distancias de siembra en arroz en secano; manual. [Spacing of plants in upland rice; manual.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974*, p.159-161, illus.
Includes discussion.
1754. SINGH, S. P., RAMPAL, A. J., and BAINS, K. S. Responses of rice varieties to transplanting dates and nursery periods in foot hills. *Agric. Agro-Ind. J.* 6(5):20-21, illus. May 1973.
1755. SINGH, V., SWARUP, R., and LAL, P. Effect of dates of transplanting, number of seedlings and nitrogen levels on the yield of IR-49 paddy. *Indian J. Agron.* 19(3):184-186, illus. Sept. 1974.
1756. SINGH, Y. P., SIWACH, M. S., and RATHI, S. S. Comparative study of methods of paddy planting in Tarai region of U.P. *Indian J. Agron.* 18(3):269-272, illus. Sept. 1973.
1757. SOUZA, P. R., and PEDROSO, B. A. Densidades de sementeira em niveis de nitrogenio em seis variedades de arroz. [Sowing density and nitrogen levels of six varieties of rice:] In *An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.46-47, illus.
1758. SOUZA, P. R., and PEDROSO, B. A. Influência de três épocas de sementeira e três niveis de nitrogenio em oito variedades de-arroz irrigado. [Influence of three sowing dates and three nitrogen levels on eight varieties of irrigated rice.] In *An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.57-60, illus.
1759. STEINMETZ, S., and MOTA, F. S. DA. Epocas de sementeira de doze cultivares de arroz em Pelotas-RS. [Sowing dates of twelve cultivars of rice in Pelotas-RS.] In *An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.104-107, illus.
1760. SUBRAMANIAN, A., and KOLANDAISAMY, S. Studies on methods of planting under different levels of nitrogen and their influence on yield of IR 8 rice. *Madras Agric. J.* 60(8):741-745. Aug. 1973.
1761. SUGAWARA, N., TOYOYAMA, K., and HINO, G. Raising techniques of rice seedlings with 3-4 leaves. 2. Effect of heating in raising seedlings in tunnel-like level seedbed by plastic. (In Japanese) *Tohoku Agric. Res.* 15:136-138, illus. Apr. 1974.

1762. TAKEDA, T., and HAKOYAMA, S. Responses of planting density to grain yield in several paddy rice varieties cultivated in warmer region of Japan. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 40:14-18, illus. Apr. 1974.
1763. TAKEYA, M., and others. Control of emergence and greening in the raising seedling of paddy rice plant under large scale system. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Str. 12:7-10, illus. Aug. 1974.
S. Kojo, S. Imabayashi, and M. Okuma, joint authors.
1764. TANEDA, S. Differences between size and growth of young rice seedling in mechanized transplanting cultivation. (In Japanese) Proc. Hokuriku Br. Crop Sci. Soc. Japan 7:16-18, illus. Mar. 1972.
1765. TERANAKA, K., and SUGIMOTO, B. Studies on the character of rice seedlings adapted for mechanized transplanting. VIII. Effects of "hardening" for the forced young seedlings. (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:12-14, illus. Mar. 1974.
1766. TOMAR, S. P., and others. Rice production under differential planting and weeding management. Indian J. Agron. 19(1):64-70, illus. Mar. 1974.
U. B. Singh, S. K. Paliwal, and R. S. Rathl, joint authors.
1767. UEMURA, Y. Cause of the decrease of rice yield in continuous direct-sowing culture in well-drained paddy field and its measures. (In Japanese) Agric. Hortic. 49 1):29-34, illus. Jan. 1974.
1768. VALLET DIEGO, E. Siembra directa de arroz a voleo en Valencia. [Direct seeding of rice by broadcasting in Valencia.] Arroz [Spain] 14(4):13. Jan. 1974.
1769. VARGAS Z., J. P. Densidades de siembra en dos lineas promisorias de arroz bajo riego. [Planting density in two promising lines of lowland rice.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.165-167, illus.
Includes discussion.
1770. VEERARAJ URS, Y. S., and MAHADEVAPPA, M. Behaviour of released and pre-release high yielding rice varieties in periodical plantings. Mysore J. Agric. Sci. 8(3):324-331, illus. 1974.
Jaya, IR-20, Manila, IR-16, Suma, Madh, Ch-2, and J-192.
1771. VENKATESWARA RAO, V., and others. Effect of different methods of planting in puddled soil on the yield of rice. Indian J. Agric. Sci. 43(6):551-554, illus. June 1973.
G. H. Sankara Reddi, M. Radhamohan Rao, and T. Bapi Reddy, joint authors.
1772. VIEWEG, B. Seeding rate and sowing methods of rice under upland condition. (Paper presented at the Annual Research Conference at KATRIN, Ifakara, Tanzania, 1972) 4 p., illus.
1773. WEE, Y. The direct seeding culture of rice -- my experience in Ivory Coast. (In Chinese) Int. Tech. Coop. Bull. 110:22-23. Apr. 1974.
1774. YAMAGATA, M., UTSUNOMIYA, H., and DOI, Y. Abnormal germination of rice seeds observed during raising of young seedling for transplanting by machine. (In Japanese) Bull. Fac. Agric. Yamaguti Univ. 25:869-890, illus. Ref. 1974.
English summary.
1775. YAMAMOTO, Y., and WADA, K. Effect of root cutting treatments at transplanting time on the early growth of rice plants in paddy field, especially in comparison with direct sowing or early transplanting. (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:19-21, illus. Mar. 1974.
1776. YAMANE, K., KOTANI, K., and NOMURA, M. Technical system in broadcasting culture of rice in well-drained paddy field and its labor-saving effect. (In Japanese) Proc. Kinki Symp. Crop Sci. Plant Breed. Soc. 16:37-41, illus. Ref. Mar. 1971.
1777. ZANINI NETO, J. A., and CONCEIÇÃO, V. I. Estudo sobre sistemas de plantio usados na lavoura de arroz, em Santa Catarina. [Study on planting methods used in the ricefields of Santa Catarina.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.30-32.

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1778. ABE, I. Yield increase of upland field crops by amending soil and its economical effect. (In Japanese) Nogyo Gijutsu 29(1):29-31, illus. Jan. 1974.

1779. ARASHI, K. The realities of paddy field plowing in Japan. III-V. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 40:38-39; 40-47; 48-51, illus., map. Ref. Apr. 1974.
 III. Their connections with the methods of ridging of winter crops in Kyushu; IV. Their connections with the changes of cattle and horse populations in Kyushu; V. Some preliminary considerations on the differentiation and development of plow types.
1780. BHUMBLA, D. R. Soil amendments for efficient fertiliser use. Fert. News 19(7):21-26, illus. July 1974.
1781. CHAKRABORTY, T. Study on soil compaction as influenced by cultural practices and herbicides to upland rice. Indian J. Agron. 19(3):211-216, illus. Ref. Sept. 1974.
1782. DE DATTA, S. K., and KERIM, M. S. A. A. A. Water and nitrogen economy of rainfed rice as affected by soil puddling. Proc. Soil Sci. Soc. Am. 38(3):515-518, illus. Ref. May/June 1974.
1783. DEI, Y., and others. Effectiveness of calcium silicate and fused calcium magnesium phosphate as soil amendment materials in paddy field and its factorial analysis. (In Japanese) Nogyo Gijutsu 29(2):59-62, illus. Feb. 1974.
 F. Hirano, K. Ishii, M. Watanabe, S. Miyake, T. Shirasaki, H. Kamata, H. Umemura, and H. Itagawa, joint authors.
1784. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Manual on the employment of draught animals in agriculture. Rome, 1972. 249 p., illus.
 Equipment for the soil preparation of irrigated rice fields, p.125-139.
1785. PUTTASWAMY GOWDA, B. S. Effects of amendments, drainage and rice growth on sodic soil reclamation. Riverside, Calif., 1972. 58 p., illus. Ref.
 Thesis (Ph.D.)--University of California, Riverside.
 Abstract in Diss. Abstr. Int. B 34(1):21-B. July 1973.
1786. HOWELL, J. D., and SPIRO, D. A. Ensaio preliminar comparativo entre métodos seleccionados de preparo de solo e sementeira de arroz irrigado. [Comparative preliminary trial between selected methods of soil preparation and sowing of irrigated rice.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.18-21, illus.
1787. KANAREUGSA, C., and CHANTRATARAGUL, Y. Relation of organic matter soil and water management and agricultural practices to the growth of rice grown in saline soil. (In Thai) In Thailand. Rice. Dept. Annual research report, 1971, p.312-317, illus. Bangkok, 1974.
 English summary.
1788. KATSUKITA, H. Preparation of soil for seed bed in seedling growing facilities of a large scale. (In Japanese) Farming Mech. 2673:14-18, illus. Feb. 1974.
1789. KOUWENHOVEN, J. K. Grondbewrking gericht op de permanente teelt van droge eenjarige gewassen in Suriname. [Effects of tillage systems for dry annual crops in Surinam.] CELOS Bull. 19:63-72, illus. Ref. 1973.
1790. LOPEZ GONZALEZ, M. Inconvenientes derivados de la quema del rastrojo e importancia del enterrado de la paja. [Inconveniences derived from burning the stubble field and the importance of burying the straw.] Arroz [Spain] 15(51):6-7, illus. Sept. 1974.
1791. MATSUI, M., and others. Studies on the absorption control of heavy metals in rice plant by soil improvement. 1. Influence of the additional soil with moving the top soil, the inverting top and bottom soil and the layer mixing on the absorption of cadmium in rice plant. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 12:38-41, illus. Aug. 1974.
 Y. Yoshida, A. Fujita, and T. Namoto, joint authors.
1792. MINAMI, M., and MAEDA, K. Studies on the improvement of the soil productivity in a paddy field converted to an upland field. 1. Changes of soil physical and chemical properties with the conversion of paddy fields. (In Japanese) Bull. Hokkaido Prefect. Agric. Exp. Stn. 29:72-85, illus. Ref. Mar. 1974.
 English summary.
1793. MORI, T. Present situation of soil productivity in paddy fields in cold district and its counter-measures. (In Japanese) Nogyo Gijutsu 29(5):193-198, illus. May 1974.
1794. MUKHAMETZHANOV, T. KH. Ob osnovnoi obrabotke pochvy pod ris v Kzyl-Ordinskoi oblasti. [Primary cultivation of soil sown to rice in the Kzyl-Orda region.] Izv. Akad. Nauk Kaz. SSR Ser. Biol. 12(2):58-61. 1974.
1795. NAGAHORI, K., and SATO, K. Studies on the land consolidation of sloped clayey paddy field. II. Subsoil characteristics of the consolidated paddy field by bulldozer. (In Japanese) Sci. Rep. Fac. Agric. Okayama Univ. 43:85-93, illus. Mar. 1974.
 English summary.
1796. NAKAJIMA, K., YAGIHASHI, R., and KAMIDE, J. Studies on the physical properties of paddy soils in relation to tillage. 2. Plowing tests in paddy field. (In Japanese) Bull. Aomori Agric. Exp. Stn. 19:36-41, illus. Mar. 1974.

1797. NEGISHI, H., and others. On percent swell and shrinkage and on changes of soil permeability conditions by land readjustment work with bulldozers in paddy fields. (In Japanese) Tech. Rep. Natl. Res. Inst. Agric. Eng. Ser. A 8:1-74, illus. Mar. 1972.
T. Furuki, K. Sugawara, M. Moriya, and A. Tada, joint authors.
1798. NUMAKURA, S., and ASANO, I. Studies on the improvements of the reclaimed paddy field. (In Japanese) Tech. Bull. Miyagi Prefect. Agric. Exp. Stn. 44:7-27, illus. 1972.
English summary.
1799. OKADA, M. Present situation of soil productivity in paddy fields in Hiroshima Prefecture and its countermeasures. (In Japanese) Nogyo Gijutsu 29(4):152-156, illus. Apr. 1974.
1800. RUSSO, S. Effetti dell'interramento della paglia di riso nei terreni sommersi a indirizzo monocolturale - Risultati preliminari del primo anno di prova. [Effects of plowing under rice straw in submerged soils with monocultural rotation - Preliminary results obtained during the first year.] Riso 23(2):209-218, illus. Ref. June 1974.
English summary.
1801. SAENGLHIAN, C., and SAWASDEE, P. The efficiency of N and K on yield of new hybrids by direct seeding and transplanting method in ROI-ET soil series. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.306-311. Bangkok, 1974.
English summary.
1802. SAWASDEE, P. The effect of shallow and deep tillages, with high rate of fertilizer application on photosensitive and non-photosensitive rice varieties in ROI-ET series. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.318-328, illus. Bangkok, 1974.
English summary.
1803. SCHELTEMA, W. Puddling against dry plowing for lowland rice culture in Surinam: effect on soil and plant, and interactions with irrigation and nitrogen dressing. Wageningen, Centre for Agricultural Publishing and Documentation, 1974. 241 p., illus. Ref.
1804. SEKIGUCHI, A., and others. Studies on the improvement of the soil productivity in a paddy field converted to an upland field. 2. Influence of levels of underground water, subsoiling and application of lime fertilizers on the productivity of field crops. (In Japanese) Bull. Hokkaido Prefect. Agric. Exp. Stn. 29:86-97, illus. Ref. Mar. 1974.
N. Wada, M. Minami, and K. Maeda, joint authors.
English summary.
1805. SHIKANAI, T., ANAMIZU, K., and SOMA, T. Studies on subsoil improvement for multi-purpose use of paddy fields. (In Japanese) Bull. Aomori Agric. Exp. Stn. 19:17-35, illus. Ref. Mar. 1974.
English summary.
1806. SHIMADA, A. Countermeasures for reutilizing non-cropping paddy fields. (In Japanese) Agric. Hortic. 49(1):25-28, illus. Jan. 1974.
1307. SHIMADA, A. Measures for reutilizing non-cropping paddy fields. 2. (In Japanese) Agric. Hortic. 49(2):286-290, illus. Feb. 1974.
1808. SUDO, S. Agricultural land utilization from viewpoint of topography. II. Development of Hitachi plateau, especially paddy fields. (In Japanese) J. Jap. Soc. Irrig. Drain. Reclam. Eng. 42(9):577-582, illus. Ref. Sept. 1974.
1809. TAKAHASHI, K., and SHIRAHATA, H. Prevention of soil erosion. 2. Crop cultivation and soil erosion. (In Japanese) Tohoku Agric. Res. 15:167-169, illus. Apr. 1974.
1810. TAKENAKA, H., and others. Studies on land consolidation in the sloping paddy field area. V. Relationships between the characteristics of the reclaimed paddy field on the slope and the moving of bulldozers. (In Japanese) Trans. Jap. Soc. Irrig. Drain. Reclam. Eng. 50:1-8, illus. Apr. 1974.
R. Yasutomi, S. Tsutsumi, T. Adachi, Y. Yoshida, K. Nagahori, K. Sato, and T. Maruyama, joint authors.
English summary.
1811. TANAKA, S., and others. Studies on the maturing process of the Saga plain paddy soil after land consolidation. (In Japanese) Bull. Saga Agric. Exp. Stn. 14:23-48, illus. Mar. 1974.
Y. Koyanagi, T. Kihara, I. Ikeda, K. Jo, and K. Matsuo, joint authors.
1812. TOMITA, M., and MARUYAMA, T. Study on the land improvement problems in the dry farming of fallow paddy fields. (In Japanese) Trans. Jap. Soc. Irrig. Drain. Reclam. Eng. 54:32-42, illus. Dec. 1974.
English summary.
1813. WATANABE, K., and others. Studies on the improvement of the soil basis for high utilization of paddy field. (In Japanese) Bull. Yamagata Prefect. Agric. Exp. Stn. 8:11-28, illus. Mar. 1974.
M. Ueno, S. Tokairin, S. Saito, S. Hukasawa, H. Nakajo, S. Watanabe, and H. Higuchi, joint authors.

1814. YASUTOMI, R., and others. Studies on land consolidation in the sloping paddy field area. VI. Ground settlement by rearrangement of paddy fields. (In Japanese) Trans. Jap. Soc. Irrig. Drain. Reclam. Eng. 51:1-8, illus. June 1974. S. Tsutsumi, H. Takenaka, K. Nagahori, K. Sato, and T. Maruyama, joint authors. English summary.
1815. YASUTOMI, R., and others. Studies on land consolidation in the sloping paddy field area. VII. Features in the works with and operation of bulldozers in the preparation of farm lands. (In Japanese) Trans. Jap. Soc. Irrig. Drain. Reclam. Eng. 52:1-6, illus. Aug. 1974. S. Tsutsumi, H. Takenaka, K. Nagahori, and K. Sato, joint authors. English summary.
1816. YASUTOMI, R., TSUTSUMI, S., and SANNO, F. Studies on land consolidation in the sloping paddy field area. VIII. Calculation of the efficiency of carrying soil with bulldozers. (In Japanese) Trans. Jap. Soc. Irrig. Drain. Reclam. Eng. 53:1-6, illus. Oct. 1974. English summary.
1817. YASUTOMI, R., and SANNO, F. Studies on land consolidation in the sloping paddy field area. IX. Soil transportation in earth works. (In Japanese) Trans. Jap. Soc. Irrig. Drain. Reclam. Eng. 54:17-23, illus. Dec. 1974. English summary.

Weed Control

1818. AKATSUKA, T. Hydrolysis enzyme in herbicide, DCPA; its role in selective herbicidal mechanism. (In Japanese) Kagaku to Seibutsu 12(2):102-103, illus. Feb. 1974.
1819. AKATSUKA, T., and OHBA, T. Studies on selective herbicides. VI. Enzymatic hydrolysis of DCPA and its derivatives in higher plants. (In Japanese) Sci. Rep. Fac. Agric. Ibaraki Univ. 21:39-42, illus. Oct. 1973. English summary. In rice plants.
1820. AKATSUKA, T., KASAKURA, N., and SOEJIMA, M. Studies on selective herbicides. VII. Relation between enzymatic hydrolysis of DCPA and its derivatives and herbicidal effect of DCPA in various barnyard grass. (In Japanese) Sci. Rep. Fac. Agric. Ibaraki Univ. 21:43-46, illus. Oct. 1973. English summary. Weeds in rice field.
1821. ANDRADE, V. A., COSTA, A. M., and XAVIER, F. E. Ensaio de herbicidas aplicados em pos-emergencia na cultura do arroz irrigado. [Trial of post-emergence application of herbicides in irrigated rice culture.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Petotas, 1974, p.138-139, illus.
1822. ARYEETEEY, A. N. Chemical weed control in rice in Ghana. Ghana J. Agric. Sci. 6(3):199-204. Dec. 1973.
1823. BADEA, I., DOROBANȚU, N., and PANA, C. Selectivitatea erbicidelor si toleranta solurilor de orez in conditiile I.A.S. Oltenita. [Herbicide selectivity and tolerance of rice varieties under the conditions of the Agricultural State Enterprise Oltenita.] Lucr. Stint. Inst. Agron. "N. Balcescu" A 13:129-138, illus. 1970. English, French and Russian summaries.
1824. BAKER, J. B. Chemical control of red rice. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:122-125, illus. 1973.
1825. BAKER, J. B. Rice weed control studies. Annu Prog. Rep. La. Rice Exp. Stn. 65th:113-121, illus. 1973; 66th:96-106, illus. 1974.
1826. CARPIO, A. J. A. Herbicidas en el cultivo del arroz. [Herbicides in rice culture.] Arroz [Spain] 14(50):10-11. May 1974.
1827. CENTRAL RESEARCH INSTITUTE FOR AGRICULTURE, INDONESIA. AGRONOMY DIVISION. Progress report of a weed control experiment on upland rice in 1973 wet season. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 3 p., tables.
1828. CHANG, W. L., and DE DATTA, S. K. Chemical weed control in direct-seeded flooded rice in Taiwan. PANS (Pest Artic. News Summ.) 20(4):425-428, illus. Dec. 1974.
1829. CHANG, W. L., and DE DATTA, S. K. Recent results on chemical weed control of rice in Taiwan. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 9 p., illus.

1830. CHEANEY, R. L. El efecto sobre el rendimiento del arroz de mezclas varietales y arroz rojo y un método para su control. [Effect on rice yield of mixed varieties and red rice and method for its control.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.75-81, illus.
1831. CHIKAI, K., and HAGIMORI, Y. Influence of depth of submergence on injurious effects to rice of herbicides mixed with s-Triazine. (In Japanese) Weed Res. [Japan] 18:31-34, illus. 1974.
1832. CHESAKA, H. The latest major herbicides for rice culture. (In Japanese) Nogyo Gijutsu 29(4):163-168, illus. Apr. 1974.
1833. CHIU, C. C. A comparison of the methods of herbicides application between the United States and Asian areas. (In Chinese) Taiwan Agric. Q. 10(3):131-152, illus. Ref. Sept. 1974.
English summary.
Herbicides used in rice culture.
1834. CHOI, J. S. Continuous application of herbicide and change of different weed populations. (In Korean) Agric. Technol. [Korea] 8(4):3-4, illus. June 1974.
1835. COSTA, A. M., ANDRADE, V. A., and XAVIER, F. E. Diminuição do rendimento do arroz pelo retardamento do controle das invasoras. [Decrease in rice yield due to late control of weeds.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.140-141, illus.
1836. COSTA, A. M., ANDRADE, V. A., and XAVIER, F. E. Interacção entre sistemas de sementeira e uso de herbicidas no controle das invasoras dos arrozais irrigados. [Interaction between sowing methods and use of herbicides to control weeds in irrigated ricefields.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.136-137, illus.
1837. DE DATTA, S. K., and LACSINA, R. Q. Herbicides for the control of perennial sedge Scirpus maritimus L. in flooded tropical rice. PANS (Pest Artic. News Summ.) 20(1):68-75, illus. Mar. 1974.
1838. DE DATTA, S. K. Recent results on weed control in rice. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 7 p., tables.
1839. DE DATTA, S. K. Weed control in rice: present status and future challenge. Philipp. Weed Sci. Bull. 1(1):1-16, illus. Ref. Apr. 1974.
1840. DELASSUS, M. Methodes de lutte contre les Strigas. [Striga control means.] Agron. Trop. [France] 27(2):249-254. Feb. 1972.
French and Spanish summaries.
Weed infesting rice fields.
1841. EASTIN, E. F., and HELPERT, C. W. Rice weed control research. Rice J. 77(7):65. July 1974.
In Texas.
1842. EVSIKOV, V. D. Gerbitsidy v bor'be s sornyakami risa. [Herbicides for weed control in rice.] Nauchn. Tr. Aspirant. Odessk. S-kh. Inst. Rast. 1:20-28, illus. 1967.
1843. EZEIGWE, M. O., and OLUNUGA, B. A. The effects of some herbicides and depth of planting on seed germination. In Proc. Fourth Nigerian Weed Science Group Meeting, Nsukka, 1974, p.41-44, illus.
Includes effects on rice.
1844. FEUER, R. Assessment of herbicide use in rice production in the Philippines. (Paper presented at the 6th general meeting of the Weed Science Society of the Philippines, 1974) 9 p.
1845. FINASSI, A. Il diserbo chimico della risaia rapporte alla distribuzione ed alla delle infestanti tipiche. [Chemical weed control in rice paddy as related to the diffusion and distribution of the most common weeds.] Riv. Agron. 8(2/3):124-128, map. June/Sept. 1974.
English summary.
1846. FLINCHUM, W. T., and STANSEL, J. W. Effects of applications of phenoxy herbicides on Bluebelle rice yields and dayflower control. In Rice research in Texas, 1971, p.21-24, illus. Texas Agric. Exp. Stn., Sept. 1972. (Consolidated PR-3092-3105)
1847. FUJINAMI, A., MINE, A., and FUJITA, T. Relationship between chemical structure and selectivity in herbicidal activity of trans- β -(2,4-dichlorophenoxy) acrylates against rice plant and barnyard-grass. Agric. Biol. Chem. 38 (7):1399-1403, illus. July 1974.
1848. FUKAZAWA, N., and others. Action of KUE-2079 A. I. (In Japanese) Nogyaku Kenkyu 20(3):69-79, illus. Feb. 1974.
K. Kurihara, I. Kobori, and M. Aya, joint authors.

1849. FURUYA, S., and KATAOKA, T. Factors influencing the effect of soil-incorporated herbicides on weeds in water-submerged condition. (In Japanese) *Weed Res. [Japan]* 18:34-39, illus. Ref. 1974.
English summary.
CNP, TOPE, Benthiocarb, and Oxadiazone.
1850. GORIUNOVA, S. V., and ORLEANSKII, V. K. *Biologiya nekotorykh dominiruyushchikh form sine-zelenykh vodoroslei na risovykh pol'yakh kubani.* [Biology of certain dominant forms of blue-green algae in rice paddies of Cuba.] *In Tr. Mezhvuz. Nauch. Konf. Microorgan. Sel. Khoz., Moscow*, 1968, p.194-202, illus. Ref. 1970.
1851. GREEN, D. H., and UCHIDA, T. A selective herbicide for flooded rice. *PANS (Pest Artic. News Summ.)* 20(1):133-139, illus. Mar. 1974.
1852. GUNASENA, H. P. M. Current results from cooperative weed control trials in Sri Lanka. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 6 p., tables.
1853. GUNASENA, H. P. M. Evaluation of new herbicides for broadcast sown lowland rice (*Oryza sativa* L.). I-II. *J. Natl. Agric. Soc. Ceylon* 8:13-22; 23-30, illus. 1971.
1854. GUNAWARDENA, I. E. Influence of weeds of fallow rice fields on subsequent growth of rice. *Trop. Agric. [Sri Lanka]* 130(1):1-13, illus. Ref. Jan./Mar. 1974.
1855. GUNAWARDENA, S. D. I. E., and SIRIWARDENA, T. G. D. New chemicals for the control of rice weeds. I. Weed control in broadcast rice. *Trop. Agric. [Sri Lanka]* 130(1):15-33, illus. Jan./Mar. 1974.
1856. HAMMERTON, J. L. Weed control work in progress at the University of the West Indies Part 4. *PANS (Pest Artic. News Summ.)* 20(4):429-436, illus. Dec. 1974.
1857. HANAFIAH, A. R., SISOMBOT, L., and SATHAL, H. Weeds on irrigated lowland rice on different soil types in Bogor district. Bogor, Regional Center for Tropical Biology, 1973. 28 p., illus. Ref.
1858. HURST, H. R., HUEY, B. A., and SMITH, R. J. Weeds of Arkansas rice fields. *Proc. Annu. Meet. South. Weed Sci. Soc.* 27th:122-123. 1974.
1859. IMAI, H., and ISHIHARA, S. On the growth of weed in vegetable cropping on temporary upland field. (In Japanese) *Hokuriku Crop Sci.* 8:37-38. 1973, pub. Mar. 1974.
1860. ISHIDA, S. Metabolic products of microorganisms as herbicides. (In Japanese) *Plant Protect. [Japan]* 28(5):211-215, illus. Ref. May 1974.
1861. ISHII, Y. Saturn (common name: Benthiocarb); new selective herbicide. *Japan Pestic. Inf.* 19:21-25, illus. Apr. 1974.
1862. ISHIY, T., and LOVATO, L. A. Influência das ervas daninhas na produção de arroz. [Influence of noxious weeds on rice production.] *Lav. Arroz.* 27(278):48-50, illus. Mar./Apr. 1974.
1863. ITO, K., and others. Herbicidal activity of 3,3-Dimethyl-4-methoxybenzophenone (NK-049) in paddy field. 1-2. (In Japanese) *Weed Res. [Japan]* 18:10-15; 16-20, illus. 1974.
F. Futatsuya, K. Hibi, S. Ishida, O. Yamada, and K. Munakata, joint authors.
English summaries.
1. Herbicidal characteristics of NK-049 on weeds; 2. Responses of rice plant to NK-049.
1864. IWATA, I., and TAKAYANAGI, S. On the growth characteristics of crabgrass to compare with upland rice. (In Japanese) *Bull. Kyushu Agric. Exp. Stn.* 17(2):225-250, illus. Ref. Oct. 1974.
English summary.
1865. JOSHI, N. C. *Manual of weed control.* Delhi, Researchco Publications, 1974. 362 p.
Rice, p.275-277.
1866. JURGENS, G. Investigations on weed communities in irrigated rice in the Dominican Republic. *In Conf. on Plant Protection in Tropical and Sub-tropical Areas, Manila*, 1974, p.149-154, illus. West Germany, Federal Agency for Economic Cooperation, 1974.
1867. KANAYAMA, H., NAKANO, M., and NONAKA, K. Studies on the direct seeding culture of paddy rice on upland field. II. On the weed control. (In Japanese) *Bull. Saga Agric. Exp. Stn.* 12:33-36, illus. Mar. 1972.
1868. KARIM, M., AZARKOV, V. D., and GORDEICHUK, B. Pochvennye protivozlakovye gerbitsidy yalan i ordram na risovykh pol'yakh Kubani. [Anti-grass soil herbicides Yalan and Ordram on rice fields of Kuban.] *In Plodorodie Pochv. i Pitanie Rastenii*, p.182-191, illus. 1973.
1869. KATAOKA, T. Future direction of herbicides studies: rice culture. (In Japanese) *Zasso to Sono Bojo* 10:18-19. Mar. 1972.

1870. KATAYAMA, H., and others. Studies on effect of tadpole shrtmp on biological control of weeds in paddy field. I. Field experiment on effect of Triops granarius (Lucas). (In Japanese) Weed Res. [Japan] 17:55-59, illus. 1974.
K. Ueki, M. Soga, and H. Matsumoto, joint authors.
English summary.
1871. KAUSHIK, S. K., and others. Chemical control of weeds in nursery beds of rice. *Indian J. Agron.* 18(4):416-419, illus. Dec. 1973.
R. S. Gupta, S. Ram, and V. S. Mani, joint authors.
1872. KIM, D. K. Weed control in Korea. (In Korean) *J. Korean Soc. Crop Sci.* 16:21-33, illus. Ref. Feb. 1974.
1873. KIM, K. U., and DE DATTA, S. K. An approach to eradicate Scirpus maritimus weed in flooded rice. (Paper presented at the 5th Annual Convention of the Pest Control Council of the Philippines, Davao City, 1974) 8 p., tables.
1874. KONO, F., and KITADA, K. Ecology of water chestnut in paddy fields and their controlling tests. 1. Ecological characteristics and life cycle. (In Japanese) *Tohoku Agric. Res.* 15:74-77, illus. Apr. 1974.
1875. KORKUT, I. L'essai del lutte contre Echinochloa crus-galli L. dans le champs du riz. [Experiments on the control of Echinochloa crus-galli L. in rice fields.] *Zirai Mucadele Arastirma Yilligi* (Plant Protect. Res. Annu.) 1973:190.
Turkish text, p. 97.
1876. KUWATSUKA, S. Absorption, movement and degradation of herbicides in soils in aspects to the phytotoxic action. (In Japanese) *Chem. Regulat. Plants* 8(2):72-83, illus. Ref. Oct. 1973.
1877. LOVATO, L. A., and ISHIY, T. Herbicidas no controle das ervas daninhas do arroz irrigado. [Herbicides to control weeds in irrigated rice.] *In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.143-146, illus.
1878. LUBIGAN, R. T., and VEGA, M. R. The effect of different densities and durations of competition of Echinochloa crus-galli (L.) Beauv. and Monochoria vaginalis (Burm. f.) Presl. on the yield of lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed Science report, 1970-1971*, p.19-23, illus. College, Laguna, n.d.
1879. LUBIGAN, R. T., and MERCADO, B. L. Effect of different densities of Scirpus maritimus on yield of lowland rice. *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-1974*, p.41-43, illus. College, Laguna, 1974.
1880. LUBIGAN, R. T., and MERCADO, B. L. Evaluation of AC-92390 and AC-92553 for weed control in rainfed, lowland rice (wet season, 1973). *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-74*, p.11-12, illus. College, Laguna, 1974.
1881. LUBIGAN, R. T., and MERCADO, B. L. Evaluation of AC-92553 + 2,4-D for weed control in irrigated transplanted rice (dry season, 1974). *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-1974*, p.13-14, illus. College, Laguna, 1974.
1882. LUBIGAN, R. T., and MERCADO, B. L. Evaluation of C-288 and C-19490 for weed control in rainfed lowland rice (wet season, 1973). *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-1974*, p.6-7, illus. College, Laguna, 1974.
1883. LUBIGAN, R. T., and MERCADO, B. L. Evaluation of herbicides for the control of Scirpus maritimus in lowland rice. *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-1974*, p.44-48, illus. College, Laguna, 1974.
1884. LUBIGAN, R. T., SIERRA, W. N., and MERCADO, B. L. Evaluation of herbicides for weed control in broadcast-seeded upland rice (wet season, 1973). *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-1974*, p.18-19, illus. College, Laguna, 1974.
1885. LUBIGAN, R. T., SIERRA, W. N., and MERCADO, B. L. Screening of herbicides for weed control in broadcast-seeded upland rice. *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-1974*, p.15-17, illus. College, Laguna, 1974.
1886. LUBIGAN, R. T., and MERCADO, B. L. Screening of new herbicides for weed control in lowland rice (wet season, 1973). *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-1974*, p.8-10, illus. College, Laguna, 1974.
1887. MAHARUDRAPPA, K., KULKARNI, K. R., and SHAKUNTHALARAJU. Chemical weed control in low land rice. *Mysore J. Agric. Sci.* 8(2):242-247, illus. 1974.
1888. MALLICK, R. N., and others. Cooperative weed control experiments in Nepal. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 4 p.
R. B. Shresth, B. P. Upadhyay, and R. M. Choudhary, joint authors.

1889. MATSUURA, K., and MAEBARA, T. On the growth of weed in non-cropping paddy field. (In Japanese) Hokuriku Crop Sci. 8:1-3, illus. 1973, pub. Mar. 1974.
1890. MERCADO, B. L., and TALATALA, R. L. Morphological and physiological responses of crops and weeds to Trifluralin. III. Anatomic effects of Trifluralin of the root of rice (Oryza sativa L.). In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.10-14, illus. College, Laguna, n.d.
1891. MERCADO, B. L., TALATALA, R. L., and PEREZ, R. A. Morphological response of rice seedlings to dinitroxyldine herbicides. Philipp. J. Sci. 103(3):165-169, illus. Sept. 1974.
1892. MERLIER, H. Vegetation adventice des rizieres pluviales de Cote d'Ivoire. [Weed flora in the ricefields of Ivory Coast.] In Inst. Rech. Agron. Trop. Cult. Vivr. L'IRAT et le riz pluvial, Fasc. 1, p.177-191. Paris, Dec. 1974.
1893. MINE, A., HINO, N., and UEDA, M. Studies on the herbicidal properties of Bentazon under paddy field conditions. I. Environmental and cultural factors influencing herbicidal activity. (In Japanese) Weed Res. [Japan] 17:64-70, illus. Ref. 1974.
English summary.
1894. MINE, A., and others. Studies on the herbicidal properties of Bentazon under paddy field conditions. II. Absorption and translocation in plants and behaviour in soil. (In Japanese) Weed Res. [Japan] 18:5-10, illus. Ref. 1974.
S. Matsunaka, N. Hino, and M. Ueda, joint authors.
English summary.
1895. MISRA, A., and ROY, N. C. Herbicidal-cum-cultural weed control studies in high land rice. Indian J. Weed. Sci. 2(1):56-62, illus. 1970.
1896. MISRA, A., and ROY, N. C. Herbicidal-cum-cultural weed control studies in high land rice. 2. Effect on weed growth. Indian J. Weed Sci. 3(2):68-75, illus. 1971.
1897. MIYAHARA, M. On dormancy of the seeds of Echinochloa crus-galli Beauv. var. oryzicola Ohwi, a paddy field weed. JARQ (Japan Agric. Res. Q.) 8(4):194-198, illus. Oct. 1974.
1898. MIYAZAKI, M. Biological weed control. (In Japanese) Farming Mech. 2676:16. May 1974.
1899. MORI, Y., and others. Studies on the granule and dust of herbicide for upland field. 2. Effects of the particle size and the application rate of carrier on the herbicidal effect and the growth of dry-seeded rice. (In Japanese) Weed Res. [Japan] 18:21-26, illus. 1974.
Y. Edo, H. Toryu, and T. Ito, joint authors.
1900. MUKHERJI, S. K. Use of pentachlorophenol as an algicide in paddy fields in West Bengal. Farm J. [India] 15(4):11-12, illus. Feb. 1974.
1901. NAITO, A., and MIYAZAKI, M. Biological control of weeds by insects. (In Japanese) Weed Res. [Japan] 17:14-19, illus. Ref. 1974.
1902. NAKAGAWA, M., and CROSBY, D. G. Photodecomposition of nitrofen. J. Agric. Food Chem. 22(5):849-853, illus. Ref. Sept./Oct. 1974.
Herbicide for rice.
1903. NAKAMURA, Y., ISHIKAWA, K., and KUWATSUKA, S. Uptake and translocation of Benthocarb herbicide by plants. Agric. Biol. Chem. 38(6):1129-1135, illus. Ref. June 1974.
1904. NASUTION, R. E., and SUMARTONO, T. Weed survey at mechanized ricefield in North Sumatra; a technical report. Bogor, Regional Center for Tropical Biology, 1972. 13 p., illus., figs. Ref.
1905. NEWMAN, D. R. Herbicide under new attack. Rice J. 76(5):24-25. May 1973.
1906. NGUYEN DUC CAO. Some aspects of the biology of Scirpus maritimus. College, Laguna, 1974. 43 p., illus. Ref. Thesis (M.S.)--University of the Philippines at Los Baños.
1907. NIPPON TOKUSHU NOYAKU SEIZO KABUSHIKI GAISHA. Characteristics of new herbicide for paddy field, "Ordram K" granule. (In Japanese) Noyaku Kenkyu 21(2):42-51, illus. Nov. 1974.
1908. NISHIKAWA, H. Problems on weed control in transplanting culture of young rice seedlings. (In Japanese) Weed Res. [Japan] 17:8-12, illus. 1974.
1909. NUMATA, M. The flora and vegetation of Japan. Tokyo, Kodansha Limited, 1974. 294 p., illus. Ref. Weeds in paddy fields, p.222-223.
1910. OKAWA, T., SATO, S., and TOKITA, H. Transplanting method by transplanter. 5. Relationship between weed occurrence at different seedling stages and yield quantity. (In Japanese) Tohoku Agric. Res. 15:121-124, illus. Apr. 1974.

1911. OKAFOR, L. I., and DE DATTA, S. K., Competition between weeds and upland rice in monsoon Asia. *Philipp. Weed Sci. Bull.* 1(1):39-45, illus. Ref. Apr. 1974.
1912. OKAFOR, L. I. Perennial nutsedge (Cyperus rotundus L.) competition with upland rice and its chemical control. College, Laguna, 1973. 207 p., illus.
Thesis (M.S.)--University of the Philippines at Los Baños.
1913. ONO, K., SUZUKI, G., and KUDO, T. Transition of studies on weed control by herbicides in the paddy field of Aomori Prefecture. (In Japanese) *Bull. Aomori Agric. Exp. Stn.* 19:55-71, illus. Ref. Mar. 1974.
1914. OZAWA, K. 1973 evaluation of candidate pesticides. (C-1) Herbicides: Rice. *Japan Pestic. Inf.* 20:21-25, illus. July 1974.
1915. OTAVO, J., and others. Control de malezas en arroz de riego. [Control of weeds in lowland rice.] *In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974*, p.82-98, illus.
C. Romero, A. Celis, and Y. Ottavo, joint authors.
1916. PALLER, E. C., and VEGA, M. R. Screening of herbicides for weed control in upland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971*, p.74-77, illus. College, Laguna, n.d.
1917. PALMER, R. D., and HELPERT, C. W. Rice weed control in the western belt of Texas. *Proc. Annu. Meet. South. Weed Sci. Soc.* 27th:127-135, illus. 1974.
1918. PEDROSO, B. A., and SOUZA P. R. Competição entre tres variedades de arroz com invasoras em tres niveis de nitrogenio. [Competition between three rice varieties and weeds in three nitrogen levels.] *In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974*, p.141-142, illus.
1919. PICCOLI, F. Su una Scrofulariacea nuova infestante del riso (Limnophila indica x sessiliflora). [A previously unrecorded weed in rice-fields (Limnophila indica x sessiliflora).] *Riso* 23(2):187-190, illus. June 1974.
English summary.
1920. AGHAVULU, P., and SREERAMA MURTHY, V. Weed control in direct sown upland rice. *Andhra Agric. J.* 20 (1/2):47-49, illus. Jan.-Feb./Mar.-Apr. 1973.
1921. RAO, M. V., and PILLAI, K. G. Efficiency of weedicides for rice in India. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 14 p., illus.
1922. REQUENI, V. Imidan y Ordram en el cultivo del arroz. [Imidan or Ordram in rice culture.] *Arroz [Spain]* 14(4^o):14-15. Jan. 1974.
1923. RYANG, W. S. Studies on varietal reaction of some herbicides incorporated into soils and applied on the surface before transplanting of rice. III. Sandy loam soil condition. (In Korean) *Res. Rep. Off. Rural Dev. [Korea]* 18(Crop):79-88, illus. Ref. Aug. 1974.
English summary.
1924. SAHU, R. Control of Cardanthera triflora Ham. growing on paddy field by 2,4-dichlorophenoxy acetic acid (2,4-D). *Sci. Cult.* 4(6):248-250, illus. Ref. June 1974.
1925. SAITO, H., KASAHARA, K., and YAMAZAKI, E. Difference of weed communities and its botanical list under several no-cropping conditions in paddy field. (In Japanese) *Bull. Yamagata Prefect. Agric. Exp. Stn.* 8:135-146, illus. Ref. Mar. 1974.
1926. SARPE, N., and others. Chemical control of aquatic weeds in irrigation ditches and rice plantations using Paraquat, Amitrol, Dalapon, Propanil and Bentason and their combinations. *In Proc. 4th Int. Symp. on Aquatic Weeds, Vienna, 1974*, p.164-172, illus. Wien, Bundesanstalt fur Pflanzen-schutz, n.d.
C. Balan, A. Melachrinos, and A. Florea, joint authors.
1927. SEKI, K., KON, T., and KUMANC, S. Studies on the lowland rice by machine-transplanter in non-puddling fields. IV. Some characteristics on the emergence pattern of weeds in non-puddling fields. (In Japanese) *Rep. Tohoku Br. Crop Sci. Soc. Japan* 16:22-23, illus. Mar. 1974.
1928. SESHAVATHARAM, V. Aquatic weed flora of the paddy fields and irrigation canals of the delta area of the West Godavari district, Andhra Pradesh. *Sci. Cult.* 40(12):489-491, illus. Dec. 1974.
1929. SHIMOTSUBO, K., and NAKAYAMA, H. Ecotypes of slender spikerush (Eleocharis acicularis) and their response to MCP herbicide. (In Japanese) *Weed Res. [Japan]* 18:44-48, illus. 1974.
English summary.
1930. SIERRA, J. N., MENDOZA, P. A., and MERCADO, B. L. Isolation of the growth inhibitor from Rottboellia exaltata L. f. *In Univ. Philippines Los Baños. Coll. Agric. Dept. Agron. Weed science report, 1973-1974*, p.54-57, illus. College, Laguna, 1974.

1931. SILVA, P. D. DA. O arroz vermelho. [Red rice.] Lav. Arroz. 27(282):4-6, illus. Nov./Dec. 1974.
1932. SILVA, P. D. DA. Inços de folhas largas. [Weeds with large leaves.] Lav. Arroz. 26(273):33-36, illus. May/June 1973.
1933. SINGH, A., and DHAMA, C. S. A note on the effect of herbicides in direct sown irrigated rice (Bala). Indian J. Agron. 18(3):385-386, illus. Sept. 1973.
1934. SMITH, R. J. Herbicide combinations for weed control. Rice J. 77(7):31-32, illus. July 1974.
In Arkansas.
1935. SMITH, R. J. New herbicide treatments for controlling rice weeds. Ricemill News 10(5):63. Jan./Feb. 1974.
1936. SMITH, R. J. Responses of rice to postemergence treatments of propanil. Weed Sci. 22(6):563-568, illus. Ref. Nov. 1974.
1937. SOKOLOV, M. S., and others. Povedenie nekotorykh gerbitsidov v usloviyakh risovoi orositel'noy sistemy. [Behavior of some herbicides during rice irrigation.] Agrokimiya 3:95-106, illus. Ref. 1974.
L. L. Knyr, B. P. Strekozov, V. D. Agarkov, A. P. Chubenko, and B. A. Kryzhko, joint authors.
1938. SONNIER, E. A. Red rice studies: mowing experiment. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:126-129, illus. 1973.
1939. SONNIER, E. A. Red rice studies: water management experiment. Annu. Prog. Rep. La. Rice Exp. Stn. 66th:107-113, illus. 1974.
1940. SUBIRA, E. El Bentazon, nuevo herbicida selectivo para el arroz. [Bentazon, new selective herbicide for rice.] Arroz [Spain] 14(50):10. May 1974.
1941. SUZUKI, S., and others. On the herbicidal weed control in the mature seedling transplanting rice culture. (In Japanese) Tech. Bull. Miyagi Prefect. Agric. Exp. Stn. 41:1-64, illus. 1971.
S. Yamazaki, J. Takahashi, K. Sato, S. Takahashi, S. Takeda, T. Chiba, and T. Sasaki, joint authors.
English summary.
1942. SWAIN, D. J. Molinate for the control of *Echinochloa* spp. in rice in New South Wales. Weed Res. 14(3):185-191, illus. Ref. June 1974.
1943. SZILVASSY, L. A hazai rizsvetéseken előforduló kakaslábűvelék (*Echinochloa* spp.) biológiai-ökológiai sajátosságainak szerepe az ellenük való védekezésben. [Role of the biological-ecological peculiarities of *Echinochloa* spp. occurring in rice fields in Hungary, in their control.] Novenytermeles 23(2):125-135, illus. Ref. June 1974.
English summary.
1944. TAKABAYASHI, M., and NAKAYAMA, K. The latest herbicides for upland field cropping. (In Japanese) Nogyo Gijutsu 29(5):210-214, illus. May 1974.
1945. TAKAHASHI, S. The study on control of Sago pondweed (*Potamogeton distinctus* A. Benn). 2. The control of Sago pondweed by Prometryne. (2). On the application timing. (In Japanese) Bull. Fukushima Prefect. Agric. Exp. Stn. 13:15-22, illus. Ref. Mar. 1974.
1946. TAKEMATSU, T., and KONNAI, M. Theory and practice of weeding in paddy fields. (In Japanese) Tokyo, Hakuyusha, 1974. 503 p., illus.
1947. TAKEMURA, S. New herbicide for both soil and stems, and its effects. (In Japanese) Zasso to Sono Bojo 10:52-53, illus. Mar. 1972.
1948. TAKEYA, M., and others. Techniques of weeds control by B-3015-emulsion on direct-seeding of dry fields. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 11:1-4, illus. Aug. 1973.
S. Kojo, M. Okuma, and S. Imabayashi, joint authors.
1949. TAKITA, K., and KANAZAWA, S. Benthocarb (Saturn), a new domestically produced herbicide. (In Japanese) Noyaku Seisan Gijutsu 29:15-22, illus. Ref. Dec. 1972.
1950. TAMURA, S., and SAITO, S. Overwintering conditions and dormancy awakening of barnyard grass seeds. (In Japanese) Tchoku Agric. Res. 15:160-164, illus. Apr. 1974.
1951. TANJI, K. K., and others. Herbicide persistence and movement studies with molinate in rice irrigation management. Calif. Agric. 28(5):10-12, illus. May 1974.
J. W. Biggar, M. Mehran, M. W. Cheung, and D. W. Henderson, joint authors.
1952. TEMPLETON, G. E., and SMITH, R. J. Bio-control of northern jointvetch. Rice J. 77(7):27-30, illus. July 1974.
In Arkansas.

1953. THANGARAJ, M., and SOUNDARAPANDIAN, G. The relative efficiency of some pre-emergence herbicides in combination with post-emergence herbicide and urea on paddy. *Farm Fact.* 8(7):27-30, illus. May 1974.
1954. THIAGARAJAN, C. P., VIJAYAKUMAR, M., and SREERAMULU, U. S. Control of weeds in paddy fields with Stam F34 and Rouge. *Pesticides* 8(9):34-35, illus. Sept. 1974.
1955. UEKI, K., KOMAI, K., and SOGA, M. Studies on polyphenolic substances in tubers of *Eleocharis kuroguwai* Ohw', *Cyperus serotinus* Rottb. and *Cyperus rotundus* L. (In Japanese) *Weed Res. [Japan]* 17:20-24, illus. Ref. 1974. English summary.
1956. UNO, Y., and KAWAMURA, Y. Studies on a new herbicides Oxadiazon (G-315, 17623-RP). II. Effect of soil properties on the herbicidal activity in paddy field. (In Japanese) *Weed Res. [Japan]* 17:59-64, illus. 1974. English summary.
1957. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Advanced evaluation of CNP, CNP/Dichlobenil, Molinate/Nitrofen and Propanil/Bromoxymil for weed control in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.42-43, illus. College, Laguna, n.d.*
1958. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. The effect of continuous herbicide treatments on weeds and lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.24-28, illus. College, Laguna, n.d.*
1959. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Evaluation of phenoxy-propanil treatments for the control of *Scirpus maritimus* in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.46-48, illus. College, Laguna, n.d.*
1960. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Evaluation of Trifluralin, Trifluralin/2,4-D-IPE, Trifluralin/MCPA and 2,4-D-IPE for weed control in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.29-31, illus. College, Laguna, n.d.*
1961. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Field evaluation of Amiben for weed control in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.51-54, illus. College, Laguna, n.d.*
1962. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Field evaluation of Amiben/2,4-D IPE for weed control in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.49-50, illus. College, Laguna, n.d.*
1963. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Field evaluation of EL-119/2,4-D/Acid/IPE in LiOH, NaOH and acetone for weed control in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.44-45, illus. College, Laguna, n.d.*
1964. VEGA, M. R., and others. Field evaluation of herbicides for weed control in irrigated drilled rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.78-81, illus. College, Laguna, n.d.* R. B. Bradfield, E. C. Paller, and M. T. Madrid, joint authors.
1965. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Field evaluation of Nitrofen/2,4-D-IPE for weed control in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.40-41, illus. College, Laguna, n.d.*
1966. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Field evaluation of Nitrofen/2,4-D IPE, Molinate/Nitrofen and CNP/Dichlobenil for weed control in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.55-56, illus. College, Laguna, n.d.*
1967. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Field evaluation of some recommended herbicide treatments on different varieties of lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.57-60, illus. College, Laguna, n.d.*
1968. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Field evaluation of 2,4-D-IPE in urea for weed control in lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.35-37, illus. College, Laguna, n.d.*
1969. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. The influence of phosphorus on the growth of weeds and on yield of lowland rice. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.32-34, illus. College, Laguna, n.d.*
1970. VEGA, M. R., PALLER, E. C., and LUBIGAN, R. T. Screening of herbicides for the control of *Scirpus maritimus*. *In Univ. Philippines. Coll. Agric. Dept. Agric. Bot. Weed science report, 1970-1971, p.38-39, illus. College, Laguna, n.d.*

1971. VIEWEG, B., and BIRK, A. Weed control in upland rice. (Paper presented at the Annual Research Conference at KATRIN, Ifakara, Tanzania, 1972) 5 p., illus.
1972. WATANABE, Y., and HIROKAWA, F. Ecological studies on the germination and emergence of annual weeds. I-II. (In Japanese) Weed Res. [Japan] 17:24-28; 29-33, illus. Ref. 1974.
English summaries.
I. Effect of temperatures on the dormancy-breaking in seeds of Chenopodium album, Echinochloa crusgalli var. praticola and Polygonum lapathifolium. II. The period of dormancy-breaking and the death of seeds in the process of dormancy-breaking in the field in Chenopodium album, Echinochloa crusgalli var. praticola and Polygonum lapathifolium.
1973. WEED SOCIETY OF JAPAN. Abstracts of the 13th lecture meeting of the Weed Society of Japan held in April, 1974. (In Japanese) Tokyo, 1974. 155 p., illus.
Includes abstracts of papers on rice.
1974. YABUNO, T. Report of investigation of paddy weeds in Korea. (In Japanese) Proc. Kinki Symp. Crop Sci. Plant Breed. Soc. 19:24-26, illus. Mar. 1974.
1975. YAMAGISHI, A., and HASHIZUME, A. Ecology of green algae in paddy fields and their control with chemicals. (In Japanese) Weed Res. [Japan] 18:39-43, illus. 1974.
English summary.
1976. YAMAGISHI, A., and HASHIZUME, A. Studies on control of some perennial weeds in paddy field. VI. On control of the perennial weed, Sagittaria pygmaea Miq. (In Japanese) Bull. Chiba-ken Agric. Exp. Stn. 14:125-134, illus. 1974.
English summary.
1977. YAMAGISHI, J. Perennial weeds on paddy field. (In Japanese) Zasso to Sono Bojo 10:39-42, illus. Mar. 1972.
1978. YONEKURA, M. Studies on ecology of Cyperus serotinus Rottb. and its control in spring. I. Ecological change of Cyperus serotinus R. in Kanagawa Prefecture in spring. II. Control of Cyperus serotinus R. with paraquat in spring. (In Japanese) Bull. Agric. Res. Inst. Kanagawa Prefect. 114:1-9, illus. Ref. Jan. 1974.
English summary.
1979. YOSHIZAWA, N. A new herbicide, Fluothuron. (In Japanese) Noyaku Kenkyu 20(3):64-68, illus. Feb. 1974.
1980. YUN, S. K. Present status of weed control in Korea. (In Korean) Korean J. Plant Protect. 13(1):53-59, illus. Ref. May 1974.

IRRIGATION, DRAINAGE AND WATER MANAGEMENT

1981. ABE, S., OKAZAKI, S., and USAMI, T. Effects of surface drainage on the growth and yield of paddy rice plant. (In Japanese) Bull. Fukushima Prefect. Agric. Exp. Stn. 11:1-5, illus. Nov. 1972.
1982. AHERO IRRIGATION RESEARCH STATION. Technical report No. 9: Results of the ninth series of experiments, October 1973-February 1974 (short rainy season). Arnhem, The Netherlands, ILACO, June 1974. 22 p., illus.
1983. AHERO IRRIGATION RESEARCH STATION. Technical report No. 10: Results of the 10th series of experiments and observations, March-October 1974 (long-rainy season). Arnhem, The Netherlands, ILACO, Nov. 1974. 35 p., illus.
1984. AHMED, B., and others. Evaluation of Thana irrigation programme, 1971-1972. Kotbari, Comilla, Bangladesh Academy for Rural Development, June 1974. 58 p., illus.
M. Alam, A. W. Choudhury, and Z. H. Choudhury, joint authors.
1985. ANDRYUSHIN, M. A. Risovaya karta s dvustoronnim zatopleniem i sbrosom vody. [Rice check with double-sided flooding and water escape.] Gidrotekh. Mellor. 9:17-19, illus. Sept. 1973.
1986. ANDRYUSHIN, M. A., SARDAK, N. G., and IVANENKO, I. M. Risovaya sistema s kanalami v trubakh. [Rice system with canals in pipes.] Vestn. S-kh. Nauki 6:75-78, illus. June 1974.
English and German summaries.
1987. ANGELES, H. L. Irrigation capability of the Pefaranda River irrigation system of the Sta. Cruz River irrigation system. College, Laguna, 1971. 67 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
1988. ARGOULLON, J. Les surfaces potentielles pour le développement de la grande irrigation dans la vallée supérieure du Niger. [Potential areas for the development of large scale irrigation in the Niger Upper Valley.] Agron Trop. [France] 29(5):627-650, illus. May 1974.

1989. ATTANATO, C. Alternative approaches to increasing the efficiency of water use by farmers. *In* Irrigated agriculture in northern Thailand, p.96-102. New York, Agricultural Development Council, 1974.
Irrigation water for rice production.
1990. AWAJI, S., SHIBATA, S., and SATO, M. Regional adaptability and economy of fields with pipeline for irrigation. (In Japanese) *Tohoku Agric. Res.* 15:37-38, illus. Apr. 1974.
1991. BALDI, G., MALAGONI, R., and GIOVANNINI, G. Studi sulla possibilità di coltivazione del riso con irrigazione turnata. I. Primi risultati con alcune linee selezionate. [Studies on the possibility of rice cultivation with periodical irrigation. I. First results with some selected lines.] *Riso* 23(Spec. No.):21-31, illus. n.d.
English summary.
1992. BALDI, G., and others. Studi sulla possibilità di coltivazione del riso con irrigazione turnata. II. Composizione chimica e caratteristiche qualitative di linee selezionate. [Studies on the possibility of rice cultivation with periodical irrigation. II. Chemical composition and quality of selected lines.] *Riso* 23(Spec. No.):33-41, illus. Ref. n.d.
R. Malagoni, L. Facelli, and G. C. Fantone, joint authors.
English summary.
1993. BARATTI, S. Problemi ecologici dell'irrigazione nel comprensorio tra Sesia, Ticino e Po. [Irrigation and ecological problems in the area delimited by Sesia, Ticino and Po rivers.] *Riso* 23(1):59-79, illus. Mar. 1974.
English summary.
1994. BOEREMA, E. B. Water management of rice crops. *Agric. Gaz. N.S.W.* 85(5):17-19, illus. Oct. 1974.
1995. BOLDYREV, A. I., and KOCHUBEI, G. P. Vliyanie stroitel'noi planirovki na urozhai risa na podovykh pochvakh yura Ukrainy. [Influence of construction levelling on rice yields on bottom soils in the southern Ukraine.] *Gidrotekh. Mellior.* 9:37-40. Sept. 1973.
1996. CARMONA, P. S., and SPIRO, D. Rotação da irrigação em arroz. [Rotational irrigation in rice.] *Lav. Arroz.* 27 (281):48-49, illus. Sept./Oct. 1974.
1997. CHEONG, C. L. Irrigation development and water management in Peninsular Malaysia. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 17 p., illus.
1998. CHOWDHURY, S. L., and SINGH, M. Water management in rice crop. *In* Symp. on Optimum Requirements and Utilisation of Water for Irrigated Crops. India Cent. Board Irrig. Power Publ. 94:15-20, illus. Mar. 1969.
1999. COLORADO STATE UNIVERSITY. WATER MANAGEMENT RESEARCH PROJECT. Annual progress report, Nov. 1, 1973 to Oct. 31, 1974. Fort Collins, Colorado, 1974. 485 p., illus.
Includes researches on rice.
2000. CORNEJO T., A. El riego en el Peru. [Irrigation in Peru.] *V. Arroz [Peru]* 8(41):14-15, 17-18, illus. Dec. 1973/Jan. 1974.
2001. CORNEJO T., A. El riego en el Peru. [Irrigation in Peru.] *Arroz [Peru]* 8(42):15-19, illus. Feb./Apr. 1974.
2002. DES BOUVARIE, C. Eaux souterraines facteur important du developpement agricole de l'Afrique occidentale. [Groundwaters, an important factor of agricultural development in West Africa.] *Agron. Trop. [France]* 29(5):607-626, illus. Ref. May 1974.
2003. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Water utilization and management. Bogor, Indonesia, 1973. 48 p., illus.
2004. FREELAND, J. W., and WOOLF, W. F. Are subsurface pipeline irrigation systems for rice economical? *Rice J.* 77(2):16-18, 23, illus. Feb. 1974.
2005. GONCHAROV, S. M., and STEPANENKO, N. G. Issledovanie vodnogo balansa Dunaiskikh risovykh orositel'nykh sistem. [Studies on the water balance of the Danube Rice Irrigations Systems.] *Mellior. Vodn. Khoz.* 26:3-9, illus. 1973.
2006. GOODWIN, J. C. Good irrigation management saves rice farm water, money, *Rice J.* 76(5):12-15, illus. May 1973.
2007. GOTO, Y., ANDO, T., and NAKAGAWA, K. The influence of sprinkler irrigation on flowering and fertilization of paddy rice cultivated in upland field. (In Japanese) *Bull. Tokai-Kinki Natl. Agric. Exp. Stn.* 26:66-78, illus. Mar. 1974.
English summary.
2008. GUIDICE, R. M. DEL, and others. Irrigação do arroz por aspersão: profundidade de rega e limites d'água disponível. [Sprinkle irrigation of rice: depth of irrigation and limits of available water.] *Experientiae* 18(5):103-123, illus. Ref. Sept. 1974.
S. S. Brandao, J. D. Galvao, and F. R. Gomes, joint authors.
English summary.

2009. HAQUE, M. Z., and MIAN, A. L. Nitrogen utilization by rice plants as influenced by water management in the field. Pak. J. Sci. 25(1/3):74-76, illus. Ref. Jan./June 1973.
2010. HEILER, T. D. Prospects and planning for upland crop irrigation in West Malaysia. (Paper presented at the National Seminar on Water Management at the Farm Level, A'or Star, Malaysia, 1973) 34 p., illus.
2011. HSU Y. P. Water management in paddy field. (Paper presented at the Seminar on Water Management, Taipei, 1974) 42 p., illus.
2012. HUANG, Y. T. Investigation on the quality of polluted water in irrigation canals and its effect on the yield loss of rice. (In Chinese) Taiwan Agric. Q. 10(4):72-80, illus. Dec. 1974.
English summary.
2013. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of Irrigation I Project, Burma. Its Rep. No.395-BA, 25 p., annexes, maps. [Washington, D.C.] 1974.
Rice, Annex 2.
2014. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of Sategui-Deressia Irrigation Project, Chad. Its Rep. No.145a-CD, 22 p., annexes, map. [Washington, D.C.] 1974.
Rice, Annex 13 and 14.
2015. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of the Aurora-Pefuranda Irrigation Project, Philippines. Its Rep. No.348a-PH, 21 p., annexes, maps. [Washington, D.C.] 1974.
2016. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of the Chao Phya Irrigation Improvement Project, Thailand. Its Rep. No.24A-TH, 25 p., annexes, maps. [Washington, D.C.] 1973.
Includes rice production.
2017. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of the Northeast Thailand Irrigation Improvement Project, Thailand. Its Rep. No.228-TH, 34 p., annexes, illus., maps. [Washington, D.C.] 1974.
Includes Rainfed Rice Pioneer Project.
2018. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of the Yong San Gang Irrigation Project - Stage I, Korea. Its Rep. No. PA-109a, 25 p., annexes, map. [Washington, D.C.] 1971.
Includes rice production.
2019. ITAGAKI, H., and KOBAYASHI, M. Runoff characteristics in a low paddy field. I. Outline of the Morishita basin in Takasu polder and the runoff analysis by the tank model. (In Japanese) Res. Bull. Fac. Agric. Gifu Univ. 36:225-233, illus. Dec. 1974.
English summary.
2020. IWABUCHI, T., and others. Studies on the improvement of the soil basis for high utilization of paddy field. 4. Change in bearing capacity by execution of mole drainage. (In Japanese) Tohoku Agric. Res. 15:57-59, illus. Apr. 1974.
B. Chiba, M. Shiojima, S. Takahashi, and S. Takeda, joint authors.
2021. JEH, S. Y. Effects of irrigation in rain-fed fields on the growth and yield of upland rice varieties. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):127-132, illus. Ref. Aug. 1974.
English summary.
2022. JINNOUCHI, Y. Problems of agricultural water use in the post-war Japan. (In Japanese) Q. J. Agric. Econ. 28(3):1-42, illus. Ref. July 1974.
2023. KAIDA, Y. Hydrography of rice land in the Vietnamese part of the Mekong Delta. Southeast Asian Stud. 12(2):143-156, illus. Sept. 1974.
2024. KAIDA, Y. Rice culture and irrigation and drainage system in Chao Phraya basin, Thailand. (In Japanese) J. Jap. Soc. Irrig. Drain. Reclam. Eng. 42(1):10-15, illus. Jan. 1974.
2025. KAIDA, Y. Water conditions in the Deltaic lowland rice fields. II. Pioneer settlements and water control development on the west bank of the lower Chao Phraya Delta. Southeast Asian Stud. 11(4):512-524, illus. Ref. Mar. 1974.
2026. KAKU, K., and others. On the ground water and soil moisture variation in the paddy field adjoining creeks. Agric. Bull. Saga Univ. 36:103-112, illus. Feb. 1974.
K. Tanaka, M. Kunitake, and M. Fujimoto, joint authors.
Japanese summary.
2027. KAMERLING, G. E., LENSELINK, K. J., and WEERT, R. VAN DER. Irrigation and drainage requirements for large scale mechanized rice farming in Surinam. Surinaamse Landb. 22(1):1-12, illus. Ref. 1974.

2028. KANAREUGSA, C., CHANTRATARAGUL, Y., and KUNATHAI, H. Effect of water management on the growth and yield of rice in relation to 4 rates of nitrogen fertilizer and 2 kinds of organic matter. (In Thai) In Thailand. Rice Dept. Annual Research report, 1971, p.262-268, illus. Bangkok, 1974.
English summary.
2029. KANNO, Y., and TACHIYA, T. Studies on the drainage and manurial effect in poorly drained paddy field in Hama District. 1. On the effect of the method and period of drainage. (In Japanese) Bull. Fukushima Prefect. Agric. Exp. Stn. 11:21-25, illus. Nov. 1972.
2030. KANNO, Y., and KAWASHIMA, K. Studies on the drainage and manurial effect in poorly drained paddy field in Hama district. 2. The drainage effects upon the properties of the heavy clay soils. (In Japanese) Bull. Fukushima Prefect. Agric. Exp. Stn. 13:57-62, illus. Ref. Mar. 1974.
English summary.
2031. KARINO, T. Water problems in Asia centering around lowland irrigation. (In Japanese) Kaigai Nogyo Semin. 12:31-53, illus. July 1973.
2032. KO, H. S., and LEVINE, G. A case study of on-farm irrigation and the off-farm system of water delivery in the Chianan Irrigation Association, Taiwan, Republic of China. (Paper presented at the Seminar on Water Management, Taipei, 1974) 63 p., illus.
Rice irrigation included.
2033. KOBAYASHI, M., ITAGAKI, H., and KADOYA, K. Runoff characteristics in a low paddy field. II. The simulation analysis by the mathematical model. (In Japanese) Res. Bull. Fac. Agric. Gifu Univ. 36:235-244, illus. Dec. 1974.
English summary.
2034. KOBAYASHI, M., FURUTA, T., and KIMATA, N. Studies on the rationalization of the drainage management in the low and wet paddy field area. I. On the drainage of Enishie region in Ohgaki, Gifu pref. (In Japanese) Res. Bull. Fac. Agric. Gifu Univ. 36:207-224, illus. Dec. 1974.
English summary.
2035. KOBILEVA, E. A., and TARASOV, M. N. Formirovanie khimicheskogo sostava kollektornykh vod petrovsko-anastasievskoi risovoi orositel'noi sistemy. [Formation of the chemical composition of collector waters of the Petrovsk-Anastasievsk rice irrigation system.] Gidrokhim. Mater. 57:87-95, illus. 1973.
2036. KOGAI, M. T., AITOV, U., and AMETOV, S. Nuzhno li protochnoe oroshenie risa v Karakalpakskoi ASSR? [Is flowing rice irrigation necessary in the Karakalpak ASSR?] Gidrotekh. Melior. 9:24-26, illus. Sept. 1973.
2037. KOZISHKURT, N. E., OBUKHOV, A. D., and STEPURA, V. I. Effektivnost' proizvodstva risa dozhdevaniem. [Effectiveness of rice culture with the use of sprinkler irrigation.] Melior. Vodn. Khoz. 26:9-14, illus. Ref. 1973.
2038. LAKTIONOV, B. I. Rost i produktivnost' risa v zavisimosti ot glubiny zatopeniya polya. [Growth and productivity of rice in relation to depth of field flooding.] Gidrotekh. Melior. 9:21-24, illus. Sept. 1973.
2039. LAPTEVA, T. P. Gidrogeologicheskaya obstanovka na risovykh sistemakh v del'te Volgi i primenenie zakrytogo. [Hydrological situation in rice systems on the Volga Delta and use of subsurface drainage.] Gidrotekh. Melior. 12:68-72, illus. Dec. 1973.
2040. LEE, H. K., PARK, H. C., and LEE, D. K. Effects of the irrigation with the fresh-sea water on the growth and its yields in rice. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):117-125, illus. Ref. Aug. 1974.
English summary.
2041. LEE, M. C. Method of drainage in paddy fields. (In Korean) Agric. Technol. [Korea] 8(7):3. Sept. 1974.
2042. LENKA, D., MISRA, B., and PATNAIK, N. M. R. Effect of the time of flooding on the growth, yield and water requirement of rice. Indian J. Agric. Sci. 43(7):708-711, illus. Ref. July 1973.
2043. MATSUO, H. Fertilizer applications and irrigation for rice. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 25 p., tables. Ref.
2044. MESELE, J. A. Irrigation techniques of rice production at International Rice Research Institute, Philippines. In Proc. 2nd Nigerian Irrigation Seminar, 1972, p.105-109, illus. Zaria, Nigeria, Extension and Research Liaison Service, Institute for Agricultural Research, Ahmadu Bello University.
2045. MODGAL, S. C., SINGH, H., and SINGH, B. K. Problems and prospects of upland rice in Uttar Pradesh, India-- studies on water management. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 5 p., tables.
2046. MOHAMED ALI, A., CHANDRA MOHAN, J., and MORACHAN, Y. B. Note on the effect of non-submergence and drainage on the yield of rice. Indian J. Agric. Res. 7(3/4):189-191, illus. Sept./Dec. 1973.

2047. MOHSEN, A. K. M. Report on the evaluation of Thana Irrigation Programme in Bangladesh (1969-70). Comilla, Bangladesh Academy for Rural Development, 1972. 178 p., illus.
Includes irrigation of paddy lands.
2048. MORIYA, H. Ground water in paddy fields in alluvial fan of Akagawa River. I. (In Japanese) *Suion no Kenkyu* 17(2):3019-3029, illus. July 1974.
2049. NACHAPPAN, K. M., and others. Percolations loss of water under rice culture; a lysimetric study. *Madras Agric. J.* 60(8):1036-1037. Aug. 1973.
K. V. Selvaraj, R. Kaliappa, and S. Venkatachalam, joint authors.
2050. NATIONAL IRRIGATION ADMINISTRATION, PHILIPPINES. Annual report 1973-74. Diliman, Quezon City, 1974. 52 p., illus.
2051. NISHIMURA, M., and others. Studies on the improvement of the soil basis for high utilization of paddy field: 3. Yearly change of soil mechanics by execution of mole drainage. (1). (In Japanese) *Tohoku Agric. Res.* 15:55-57, illus. Apr. 1974.
M. Shiojima, B. Chiba, T. Iwabuchi, S. Takahashi, S. Takeda, and K. Miyamoto, joint authors.
2052. OBERMUELLER, A. J., and MIKKELSEN, D. S. Effects of water management and soil aggregation on the growth and nutrient uptake of rice. *Agron. J.* 66(5):627-632, illus. Ref. Sept./Oct. 1974.
2053. ONGKINGKO, P. S. Case studies of Laoag-Vintar and Nazareno-Gamutan irrigation systems. *Philipp. Agric.* 56(9/10):374-389, illus. Feb./Mar. 1973.
Rice irrigation.
2054. OVSYANNIKOV, A. S. Dinamika soli v pochvogruntakh pod vliyaniem orosheniya risa mineralizovannymi vodami. [Irrigation of the areas sown to rice mineralized water and its effect on salt dynamics in soils.] *Probl. Osvoeniya Pustyn* 3:78-82. 1973.
English and Turkheim summaries.
2055. PAJANESSAMY, N., and DHANAPALAN MOSI, A. Studies on saline irrigation waters. I-II. *Madras Agric. J.* 60(8):799-803; 804-809. Ref. Aug. 1973.
I. Influence on growth, yield and composition of rice (*Oryza sativa* L.) variety Padma; II. Influence on soil properties.
2056. PANSURI. Serana-2 pengairan persawahan pasang surut dan persawahan lainnya di Kalimantan selatan. [Irrigation infrastructure in South Kalimantan with special reference to tidal swamp rice.] (Paper presented at the Conf. on Tidal Swamp Rice, Banjarmasin, Indonesia, 1972) 6 p., illus.
2057. PARK, K. S. Design criteria and layout of farm irrigation and drainage ditches in paddy cultivation. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 15 p., illus. Ref.
2058. PATIL, S. S. Federal Rice Research Station, research proposals. In *Proc. 2nd Nigerian Irrigation Seminar, 1972*, p.136-139, illus. Zaria, Nigeria, Extension and Research Liaison Service, Institute for Agricultural Research, Ahmadu Bello University.
2059. PHELPS, H. O. Drainage and irrigation for rice growing in Trinidad. In *Proc. Semin. 'Rice Growing - What are the Problems?', 1974*, p.11-24, illus. St. Augustine, Trinidad, University of the West Indies, 1974.
Discussion, p.25-26.
2060. PIERRE, J. F., REISINGER, O., and KILBERTUS, G. Observations biometriques et ultrastructurales des effets de la qualité d'un effluent d'une station d'épuration d'eaux industrielles sur la germination et la croissance du riz et sur les algues des rizières. [Biometric and ultrastructural observations of the effects of the quality of an effluent in a filtering station for industrial water on the germination and growth of rice and on the algae in ricefields.] *Riso* 23(3):245-258, illus. Sept. 1974.
English summary.
2061. POHJAKAS, K. Water management--the key to improving irrigated agriculture. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 11 p.
2062. ROESDI, M. Tata saluran dan tata air di persawahan pasang surut test farm, Barambai. [Water management at the tidal swamp rice test farm, Barambai.] (Paper presented at the Conf. on Tidal Swamp Rice, Banjarmasin, Indonesia, 1973) 8 p.
2063. SAITO, S., and others. Trial production of motive powering drainage ditch in rice field and effects of drainage for soil and rice plant by the trial production. (In Japanese) *Bull. Yamagata Prefect. Agric. Exp. Stn.* 8:29-39, illus. Mar. 1974.
S. Hukasawa, H. Nakaajo, and M. Sugawara, joint authors.

2064. SAMUEL, J., NICHOLS, F. E., and ROY, S. E. Design of centrifugal jet pumps combination--a new approach for rice irrigation and drainage. (Paper presented at the Annual Convention of the Philippines Society of Agricultural Engineers, Manila, 1974). 13, [17] p., illus. Ref.
2065. SASAKI, S., and others. Increase of water permeability on alluvial paddy field. (In Japanese) *Tohoku Agric. Res.* 15:59-62, illus. Apr. 1974.
E. Kiyohara, M. Chiba, and Y. Hirano, joint authors.
2066. SASAKI, T., and others. Effect of water level control on the apparent ground water level. (In Japanese) *Tohoku Agric. Res.* 14:164-167, illus. June 1973.
H. Kurosawa, T. Takano, J. Yonezawa, N. Sasaki, E. Kiyohara, M. Chiba, T. Hirano, and Y. Ito, joint authors.
2067. SHAFI, M., and AHMAD, B. Effect of drainage of field on yield and other characters of paddy. *West Pak. J. Agric. Res.* 8(4):365-369, illus. Dec. 1970.
2068. SHAPOSHNIKOV, D. G., and TVERDOKHLEB, M. I. Mokraya planirovka risovykh chekov. [Wet land levelling of rice checks.] *Gidrotekh. Melior.* 9:44-48, illus. Sept. 1973.
2059. SHIRAKURA, J., OTAKI, M., and TACHIKAWA, Y. Studies on the higher level utilization of clay paddy fields in Niigata Prefecture. 1. Influence of drainage effect by simple shallow underdrain on the physical properties of conversion of upland soil. (In Japanese) *J. Niigata Agric. Exp. Stn.* 23:50-68, illus. Ref. Mar. 1974.
English summary.
2070. SINGH, Y. P., and MISRA, J. P. Water management studies in paddy. *Indian J. Agron.* 19(1):60-63, illus. Mar. 1974.
2071. SIVANAPPAN, R. K., SWAMINATHAN, K. R., and BALASUBRAMANIAM, M. Water management for high yielding varieties of paddy. *Riso* 23(3):239-244, illus. Sept. 1974.
Italian summary.
2072. SMALL, J. Economic evaluation of water control in the greater Chao Phya project of Thailand. *Cornell Int. Agric. Bull.* 27:1-20, illus. May 1973.
Rice production.
2073. SPIRO, D. A., STONE, L. F., and HOWELL, J. D. Comparação entre diversos sistemas de alturas de lamina de agua na cultura do arroz (pesquisa preliminar, IPEAS). [Comparison between different water depth in rice cultivation (preliminary investigation, IPEAS).] *In An. IV Reunião Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p. 73-75, illus.*
2074. ETAS', S. R. O konstruksii risovoi karty v del'te r. Bolgi. [Construction of rice check on the Volga Delta.] *Gidrotekh. Melior.* 12:15-18, illus. Dec. 1973.
2075. TAKAYA, Y. A physiographic classification of rice land in the Mekong Delta. *Southeast Asian Stud.* 12(2):135-142, illus. Sept. 1974.
2076. TAMAMURA, M., and TACHIYA, T. Studies on the effect of drainage system for clayey field. (In Japanese) *Bull. Fukushima Prefect Agric. Exp. Stn.* 11:37-46, illus. Nov. 1972.
2077. TANABE, K., and others. Experimental studies on the seepage water control in the paddy field. (In Japanese) *Sci. Bull. Fac. Agric. Kyushu Univ.* 28(2):105-113, illus. Ref. Feb. 1974.
A. Tanaka, T. Osawa, K. Tsuji, and K. Daito, joint authors.
English summary.
2078. TARAN, I. N., and BABANAZAROV, D. Vodnyi rezhim risovogo polya pri ispol'zovanii mineralizovannykh vod. [Water regime of rice fields irrigated with mineralized waters.] *Probl. Osvoeniya Pustyn'* 3:82-86, illus. 1973.
English and Turkmenian summaries.
2079. TEE THEAN SOO. Water problems in agricultural production in Malaysia. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 14 p., figs.
2080. TEOH TIAW SEANG. The need for irrigation extension in irrigation projects (with special reference to Muda Irrigation Project). (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 18 p.
2081. TOMITA, M. Substantial study on poor drainage in dry farming at fallow paddy fields. (In Japanese) *Trans. Jap. Soc. Irrig. Drain. Reclam. Eng.* 54:43-51, illus. Dec. 1974.
English summary.
2082. TORRES, R. D. Potential economic benefits from irrigation water under conditions of risk. *J. Agric. Econ. Dev.* 4(1):76-87, illus. Jan. 1974.
Irrigation water in rice production.

2083. UPADHYA, G. S., and DATTA, N. P. Effect of midterm drainage on yield and fertilizer nitrogen use of efficiency on two high yielding varieties of rice. *J. Indian Soc. Soil Sci.* 21(2):219-226. June 1973.
2084. UPADHYA, G. S., DATTA, N. P., and DEB, D. L. Note on the effect of selected drainage practices on yield of rice and the efficiency of nitrogen use. *Indian J. Agric. Sci.* 43(9):888-889, illus. Sept. 1973, pub. 1974.
2085. UPADHYA, G. S. A note on the effect of water management practices and nitrogen sources on phosphorus uptake by rice. *Indian J. Agron.* 19(2):155-156, illus. June 1974.
2086. VAN, T. K. Rice cultivation in Peninsular Malaysia with special reference to the need for applied studies in agronomy/irrigation practices. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 13 p.
2087. VAN DE GOOR, G. A. W. Drainage of rice fields. In *Drainage principles and applications. IV. Design and management of drainage systems*, p.341-382, illus. Ref. Wageningen, International Institute for Land Reclamation Improvement, 1974. (Publ. No.16)
2088. VOLKONSKII, N. A. Ob oroshenii risa "magnitnoi" vodi. [Rice irrigation with "magnetic" water.] *Gidrotekh. Mellor.* 9:27, illus. Sept. 1973.
2089. WEN, L. J. Development of a new procedure for the determination of the system capacity and management program for irrigation of transplanted rice. *Int. Comm. Irrig. Drain. Tech. Mem.* 1, 17 p., illus. 1972.
Also presented as paper at the Seminar on Water Management, Taipei, 1974.
2090. WICKHAM, T. A low-cost technology for improved irrigation of lowland rice. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 7 p., tables, figs.
2091. WICKHAM, T. Some soil-plant-water research findings useful to irrigation design and management. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 12 p., tables. Ref.
2092. WICKHAM, T. H. The effects of irrigation on rice yields. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 4 p., tables, figs.
2093. WICKHAM, T. H. Water management in the humid tropics: a farm level analysis. *Rhaca, N. Y.*, 1971. 269 p., illus. Ref.
Thesis (Ph. D.)--Cornell University.
Water management in the Philippines.
2094. WILLIAMS, A. Recent results in water management research at Federal Rice Research Station, Badeggi. In *Proc. 2nd Nigerian Irrigation Seminar, 1972*, p.121-123, illus. Zaria, Nigeria, Extension and Research Liaison Service, Institute for Agricultural Research, Ahmadu Bello University.
2095. WOOLF, W. F., and FREELAND, J. W. Are subsurface pipeline irrigation systems economical for rice? *La. Agric.* 17(4):3, 16, illus. Summer 1974.
2096. WOOLF, W. F., and FREELAND, J. W. Costs of surface canal versus subsurface pipeline irrigation systems in the southwest Louisiana rice area. *La. Rural Econ.* 36(1):8-10. Feb. 1974.
2097. ZAITSEV, V. B. Risovyie orositel'nye sistemy i okhrana prirody. [Rice irrigation systems and nature conservation.] *Gidrotekh. Mellor.* 9:1-7, illus. Ref. Sept. 1973.

MECHANIZATION

2098. AGATSUMA, Y., NISHIDA, H., and ABE, T. Trial production of intrarow spacing weeding machine. (In Japanese) *Nogyo Gijutsu* 29(6):263-264, illus. June 1974.
2099. AIZAWA, K., and NARUHO, S. A stable condition in the mechanization of rice planting. (In Japanese) *J. Niigata Agric. Exp. Stn.* 22:1-9, illus. June 1973.
English summary.
2100. AOKI, K. Development of narrow direct sowing machine in converted upland field from paddy field in direct sowing culture of rice. (In Japanese) *Agric. Hortic.* 49(5):643-646, illus. May 1974.
2101. BALLESTEROS, P. Mecanizacion del trasplante. [Mechanization of transplanting.] *Arroz [Spain]* 15(51):8-9, illus. Sept. 1974.
2102. BURLEY, T. M. Mechanisation of Asian agriculture: its potential and pitfalls. *World Crops* 28(2):86. Apr. 1974.

2103. CERVINKA, V. Engineering analysis of rice production systems. Davis, Calif., 1972. 192 p., illus. Ref. Thesis (Ph.D.)--University of California, Davis. Abstract in Diss. Abstr. Int. B 34(1):189-B. July 1973.
2104. CHUGOKU NATIONAL AGRICULTURAL EXPERIMENT STATION. A study on the establishment of the technique of mechanized direct seeding rice culture on non-tilled paddy after barley culture in the temperate area of Japan. (In Japanese) Bull. Chugoku Natl. Agric. Exp. Stn. D 6:1-105, illus. Ref. Mar. 1973.
2105. DUE, J. M. Experience with mechanized agriculture in Ghana and Sierra Leone rice production. In Factors of agricultural growth in West Africa; Proc. Int. Conf., p.203-216, illus. Legon, Institute of Statistical, Social and Economic Research, University of Ghana, 1973.
2106. DUFF, B., and others. Agricultural equipment development research for tropical rice cultivation; semiannual progress report No.18, January 1 to June 30, 1974. Los Baños, Laguna, Dept. of Agricultural Engineering, International Rice Research Institute. 23 p., tables, figs. F. E. Nichols, J. K. Campbell, and C. C. Lee, joint authors.
2107. DUFF, B. Design, development and extension of small-scale agricultural equipment. (Paper presented at the Seminar on Farm Mechanization in Southeast Asia, Malaysia, 1972) 16 p., tables, figs. Ref.
2108. ESTIOKO, I. Farm mechanization in the Philippines and the International Bank for Reconstruction and Development loan program. (Paper presented at the Seminar on Farm Mechanization in South East Asia, Malaysia, 1972) 10 p., tables, figs.
2109. EZAKI, H. How to develop the harvesting mechanization. AMA (Agric. Mech. Asia) 5(1):75-78, illus. Summer 1974.
2110. EZAKI, H. Rationalization of rice harvesting: the standards for selecting the type of machines. (In Japanese) Farming Mech. 2679:5-7, illus. Aug. 1974.
2111. FURUCHI, T., OKADA, Y., and NAGATA, M. Studies on the weeder for walking tractor. 4. Adaptability for direct seeding on drained paddy. (2). Influence on loss of rice and weed. (In Japanese) J. Soc. Agric. Mach. Japan 36(2):243-250, illus. Sept. 1974. English summary.
2112. GEE-CLOUGH, D., and CHANCELLOR, W. Pull and lift characteristics of single lugs on rigid wheels in wet rice soils. St. Joseph, Michigan, American Society of Agricultural Engineers, 1974. 18 p., illus., figs. Ref. (Paper No.74-1555)
2113. GURUNANDAN, N. G., and others. Effect of peripheral speed of beater or drum on output in the case of L. C. T. and Mysore Mini Thresher. Mysore J. Agric. Sci. 8(4):581-590, illus. 1974. M. Sarveshkar, T. M. Basava Kumar and S. Gopinath, joint authors. Experimented on two varieties of paddy.
2114. HAGA, S., and others. Mechanized transplanting culture of rice. 2. Range of cropping season. (In Japanese) Tohoku Agric. Res. 15:112-114, illus. Apr. 1974. H. Yoshida, E. Yamazaki, and Y. Harada, joint authors.
2115. HARRIS, W. L., BENDER, F. E., and ESMAY, M. L. Agricultural mechanization as related to increased yields and production. AMA (Agric. Mech. Asia) 5(1):22-24, illus. Summer 1974.
2116. HAYASHI, N., MORIZUMI, S., and KUROSAWA, M. Factors on the enlargement of utilization of rice combines. An instance of cooperative farming of rice production at Ohama town in Shizuoka Prefecture. (In Japanese) Farm Work Res. 19:40-48, illus. 1973.
2117. HOSHINO, S. Recent advances on rice transplanter. JARQ (Japan Agric. Res. Q.) 8(4):209-213, illus. Oct. 1974.
2118. IKEDA, Y., and KAWAMURA, N. Studies of automatic steering system of combine. (In Japanese) J. Soc. Agric. Mach. Japan 35(4):368-377, illus. Ref. Mar. 1974. English summary.
2119. INSTITUTE OF AGRICULTURAL MACHINERY, JAPAN. Annual report 1973. (In Japanese) Saitama, 1974. 67 p., illus.
2120. INSTITUTE OF AGRICULTURAL MACHINERY, JAPAN. Report on the development of rice transplanter and combine harvester suitable for the "Muda Irrigation Scheme", Malaysia. (In Japanese and English) Omiya, 1973. 2 v. (Tokubetsu kenkyu No. 48)
2121. IRRI's low-cost machines for rice farmers. Greenfields 3(1):8-9, illus. 1974.
2122. ISHIWARA, A. Properties of bulb digging machine and its uses for paddy rice culture. (In Japanese) Agric. Hortico. 48(9):1232-1234, illus. Sept. 1973.

2123. ITO, S. For farmers trying transplant with rice transplanter for the first time. (In Japanese) Farming Mech. 2673:10-13, illus. Feb. 1974.
2124. IWASAKI, S., MATSUMOTO, K., and KASAMA, K. Systematized techniques of mechanized transplanting using rice seedlings with 3-4 leaves in high altitude cool region. 2. Effect of raising facilities on seedling characters. (In Japanese) Tohoku Agric. Res. 15:127-130, illus. Apr. 1974.
2125. IZUMI, M. Development of rice transplanter for seedlings with 3-4 leaves and their raising method. 2. Operating performance of transplanter. (In Japanese) Tohoku Agric. Res. 15:118-121, illus. Apr. 1974:
2126. KAKINUMA, S., and others. Studies on the mechanization of upland crop cultivation under inter-cropping system upland farm. (In Japanese) J. Cent. Agric. Exp. Stn. [Japan] 20:103-136, illus. Ref. Mar. 1974.
S. Sugimoto, K. Sato, H. Nakagawasai, and S. Naka, joint authors.
English summary.
2127. KAMINAKA, M. S. Capacitive performance of a Japanese rice combine with respect to field-crop conditions and operator background. AMA (Agric. Mech. Asia) 5(1):79-85, illus. Ref. Summer 1974.
2128. KANZAKI, T. New machine pinch-hit for scarecrow. (In Japanese) Farming Mech. 2679:23, illus. Aug. 1974.
2129. KATO, K., and YADA, S. Studies on the mechanization of rice transplanting by early seedlings. (In Japanese) Bull. Hiroshima Prefect. Agric. Exp. Stn. 33:1-13, illus. Ref. Mar. 1974.
English summary.
2130. KHAN, A. U., DUFF, B., and LEE, C. C. Agricultural equipment development research for tropical rice cultivation; semiannual progress report no.19, July 1 to December 31, 1974. Los Baños, Laguna, Dept. of Agricultural Engineering, International Rice Research Institute. 40 p., tables, figs.
2131. KHAN, A. U., and DUFF, B. Appropriate agricultural mechanisation technologies for Asian development. Appropriate Technol. 1(1):26-27, illus. 1974.
2132. KHAN, A. U., and DUFF, B. Development of agricultural mechanization technologies at the International Rice Research Institute. In Technology, employment and development, p.97-123, illus. Ref. Council for Asian Manpower Studies, 1974.
2133. KHAN, A. U. Mechanization technology for tropical agriculture. (Paper presented at the Study Group on Low-Cost Technology and Rural Industrialisation, OECD, Paris, 1974) 7 p., tables, graphs.
2134. KISHIDA, Y. The development of farm mechanization in Japan. AMA (Agric. Mech. Asia) 5(1):72-74, illus. Summer 1974.
2135. KISHIDA, Y. Historical development of agricultural machinery and implement in Japan. AMA (Agric. Mech. Asia) 5(1):86-90, illus. Summer 1974.
2136. KOJO, S., OKUMA, M., and IMABAYASHI, S. On the mechanical transplantation of rice seedlings by forcing culture as a countermeasure for calamities. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 41:1-2, illus. July 1974.
2137. KUMORI, F. Systematic development of the mechanized technique of paddy farming. (In Japanese) Mem. Coll. Agric. Ehime Univ. 19:1-135, illus. Ref. Dec. 1974.
English summary.
2138. LALKAKA, R. Acquiring technology for manufacturing agro-equipment. AMA (Agric. Mech. Asia) 5(1):59-67, illus. Ref. Summer 1974.
2139. LOPEZ CAMPOS, G. Producción de plantel para maquinas trasplantadoras de arroz. [Production of seedlings for rice transplanting machines.] Arroz [Spain] 15(51):3. Sept. 1974.
2140. MATSUMOTO, K., IWASAKI, S., and SAITO, K. Systematized techniques of mechanized transplanting using rice seedlings with 3-4 leaves in high altitude cool region. 3. Utilization of substitutes for bed soil. (In Japanese) Tohoku Agric. Res. 15:130-132, illus. Apr. 1974.
2141. MICHIBA, M., and others. Studies on the steam sterilization of seedbed soil. I. Improvement of plow type sterilizer. (In Japanese) J. Soc. Agric. Mach. Japan 35(4):360-367, illus. Mar. 1974.
N. Murai, Y. Takahashi, Y. Yamashima, H. Matsushiro, A. Ota, and R. Tsuru, joint authors.
English summary.
2142. MUDA AGRICULTURAL DEVELOPMENT AUTHORITY. The conceptual approach of rice mechanisation in the Muda Scheme. Kedah, June 1974. 15 p.
2143. MUDA AGRICULTURE DEVELOPMENT AUTHORITY. Farm mechanisation in the Muda Scheme. Telok Chengai, Alor Setar, Aug. 1970. 9 p., pls.

2144. NAGATA, M., FURUCHI, T., and OKADA, Y. Studies on the trial implement of seeding and managing for a small power tractor of the walking type and the application of it to direct seeding on dry field of paddy, upland rice field and sweet potato field. (In Japanese) Bull. Fac. Agric. Miyazaki Univ. 21(1):161-181, illus. Oct. 1974.
English summary.
2145. NAKA, S. Mechanical weed control--variety of machine and utilization. (In Japanese) Farming Mech. 2676:11-15, illus. May 1974.
2146. NAKAHASHI, Y., and others. Studies on the mechanization of the transplanting of 5 or 6 leaves rice seedling grown in nursery box. (In Japanese) Farm Work Res. 22:7-19, illus. Ref. 1974.
M. Kishimoto, R. Iwamoto, K. Yasumizu, S. Yamada, and Y. Okisho, joint authors.
2147. NAKAYAMA, K. What weed control should be from now. (In Japanese) Farming Mech. 2676:5-6, illus. May 1974.
Mechanized weed control.
2148. NAKAZIMA, K. A farmer's experience in rice harvesting mechanization. (In Japanese) Farming Mech. 2679:18-20. Aug. 1974.
2149. NAKAZIMA, K. An investigation on the mechanization of harvesting process in rice farming; a case of part time farm in Chiba Prefecture. (In Japanese) Farm Work Res. 21:52-61, illus. Aug. 1974.
2150. NAMIKAWA, K. The profile of transplanting tine for rice transplanter with tine wheel. (In Japanese) J. Soc. Agric. Mach. Japan 35(4):353-359, illus. Mar. 1974.
English summary.
2151. OIKAWA, T., and SATO, S. Studies on the systematized technique of operation by 25 P.S. Tractor on the direct-sowing on dry field of paddy rice culture. (In Japanese) Tech. Bull. Miyagi Prefect. Agric. Exp. Stn. 42:23-35, illus. Ref. 1971.
English summary.
2152. OIKAWA, T. Value of rice-transplanter for the stage on middle and perfect nursery plant and its utilization. (In Japanese) Farming Mech. 2675:7-10, illus. Mar. 1974.
2153. OIZUMI, K. Mechanization of rice transplanting and reorganization of labour management: examples of Yamada-cho and Ichihara City in Chiba Prefecture. (In Japanese) Agric. Hortic. 49(9):1083-1089, illus. Sept. 1974.
2154. OKI, Z. Cultivating work and mechanized work system of rice-crop. (In Japanese) Farming Mech. 2674:17-18, illus. May 1974.
Weed control.
2155. ONO, M., and KANZAKI, T. The transplanting work with a machine for furrow making without tillage for rice plant. (In Japanese) Bull. Chugoku Natl. Agric. Exp. Stn. Ser. A 23:27-52, illus. Ref. Mar. 1974.
English summary.
2156. PARAS, A. S. Design, construction and testing of a lowland power rice weeder. College, Laguna, 1971. 44 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
2157. PELLIZZI, G. Aspetti generali e problemi organizzativi della meccanizzazione in risicoltura. [General aspects and organizational problems in the mechanization of rice culture.] MMA (Macch. Mot. Agric.) 31(12):33-41, illus. Dec. 1973.
2158. PELLIZZI, G. Present situation and development of paddy mechanization in nine countries of Asia. 4. Riso 23(1):71-90, illus. Mar. 1974.
Italian summary.
2159. PHAN HIEU HIEN. Design parameters of a laboratory rice stripper using transverse belt. College, Laguna, 1974. 62 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
2160. PILLAINAYAGAM, M. G. Mechanization of rice cultivation in Sri Lanka. AMA (Agric. Mech. Asia) 5(1):29-34, illus. Summer 1974.
2161. ROESDI, M. Kemungkinan mekanisasi pertanian untuk persawahan pasang surut, Kalimantan selatan. [Feasibility of agricultural mechanization at the tidal swamp rice area, South Kalimantan.] (Paper presented at the Conf. of Tidal Swamp Rice, Banjarmasin, Indonesia, 1973) 21 p., fig.
2162. SAITO, F. Comparison of the performance of several types of rice harvesting machines. (In Japanese) Farming Mech. 2679:11-13. Aug. 1974.

2163. SASAKI, C., and KANEKO, J. Effect of soil moisture on mechanized farm work in reclaimed land. (In Japanese) Tohoku Agric. Res. 15:91-93, illus. Apr. 1974.
2164. SASAKI, Y., SASAKI, I., and KITADA, K. Mechanized transplanting culture of rice. 3. Simple greening method and seedling character. (In Japanese) Tohoku Agric. Res. 15:115-117, illus. Apr. 1974.
2165. SHICHINOHE, C. Dynamic aspects of farm mechanization in Japan. (In Japanese) Tokyo, National Research Institute of Agricultural Economics, 1974. 248 p., illus. (Kenkyu Soshu No.91)
2166. SHIMIZU, H., and SAKAI, T. The research of the dynamic characteristics of the grain of rice by the method of bending load. (In Japanese) J. Soc. Agric. Mach. Japan 36(1):108-114, illus. June 1974.
English summary.
2167. SHIN-NORIN SHA CO., LTD. A list of rice-transplanter. (In Japanese) Farming Mech. 2674:11-16, illus. Mar. 1974.
2168. SHIN-NORIN SHA CO., LTD. A short history of development on rice-transplanter. (In Japanese) Farming Mech. 2674:5-6, illus. Mar. 1974.
2169. SHIRASAKI, T. A study on the utilization system and economy of machines for rice farming in Fukui Prefecture. (In Japanese) Bull. Fukui Agric. Exp. Stn. 11:99-126, illus. Ref. Mar. 1974.
English summary.
2170. SHIZUOKA AGRICULTURAL EXPERIMENT STATION. Experimental results regarding mechanization of agriculture in 1971: rice and vegetable crops. (In Japanese) Hamamatsu City, 1972. 238 p., illus. (Shiryo No.1235)
2171. SINGH, G., and CHANCELLOR, W. Relations between farm mechanization and crop yield for a farming district in India. Trans. ASAE 17(5):808-813, illus. Ref. Sept./Oct. 1974.
2172. SINGH, G., and CHANCELLOR, W. J. Studies of relations between farm mechanization and crop yield. AMA (Agric. Mech. Asia) 5(1):18-21, 85, illus. Summer 1974.
2173. TAKENAGA, T. Development of weed control chemicals spreader. (In Japanese) Farming Mech. 2676:7-10, illus. May 1974.
2174. TAKIGAWA, H., and UMEDA, S. Binding performance of binder. III-IV. (In Japanese) J. Soc. Agric. Mach. Japan 36(1):80-88; (2):279-289, illus. June, Sept. 1974.
English summaries.
III. Tightness of bound sheaf; IV. Straw compression pressure acting on the chunch door.
2175. TANAKA, H. Maintenance and repair of rice harvesting machines. 1-2. (In Japanese) Farming Mech. 2679:14-17; 2680:22-24. Aug., Sept. 1974.
2176. UCHIBE, T. Trial of float type power direct seeder on paddy field. (In Japanese) Bull. Shimane Agric. Exp. Stn. 12:21-25, illus. Dec. 1974.
English summary.
2177. UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. Agricultural mechanization: The mechanization of rice cultivation, report prepared by the Italian delegation. New York, 1970. 41, 11 p. (Agri/Mech/44)
2178. VILLAMOR, E. E. Mecanización del cultivo del arroz en Andalucía. [Mechanization of rice cultivation in Andalucía.] Arroz [Spain] 14(50):11. May 1974.
2179. YADA, S. Studies on the accuracy of the mechanical transplanting with young seedling. (In Japanese) Bull. Hiroshima Prefect. Agric. Exp. Stn. 35:11-20, illus. Ref. Dec. 1974.
English summary.

SEEDS

2180. AGRAWAL, P. K., KARIHALOO, J. L., and AHMED, S. M. M. Efficacy of tetrazolium test for predicting germinability of dormant paddy seeds. Riso 23(3):223-226, illus. Sept. 1974.
Italian summary.
2181. AGUIAR TELLO, C. Problemas de la producción de semillas de arroz en Colombia. [Problems of rice seed production in Colombia.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.177-180, illus.
2182. ASHRAFUZZAMAN, MD. H. Effect of seed treatment on the seed and seed borne diseases of rice. Pak. J. Sci. 25 (1/3):71-73, illus. Jan./June 1973.

2183. AZIZUL ISLAM, A. J. M., DELOUCHE, J. C., and BASKIN, C. C. Comparison of methods for evaluating deterioration in rice seed. Proc. Assoc. Off. Seed Anal. 63:155-160, illus. Ref. 1973.
2184. BANERJEE, S. K., and others. X-ray analysis of seeds. New Delhi, Indian Council of Agricultural Research, 1973. 33 p., illus.
A. Singh, M. M. Verma, and K. Verma, joint authors.
2185. BASU, R. N., CHATTOPADHYAY, K., and PAL, P. Maintenance of seed viability in rice (*Oryza sativa* L.) and jute (*Corchorus capsularis* L. and *C. olitorius* L.). Indian Agric. 18(1):75-79, illus. 1974.
2186. BOCCHI, D. G. Les nouvelles regles pour la production des semences et les semences de la S.A.P.R.I. [New regulations for seed production and the seeds of the S.A.P.R.I.] Bull. Inf. Rizicult. Fr. 152:9-11. May/June 1974.
2187. BONO, M. Informations, données pratiques et propositions en vue du controle de la production de semences selectionnées de: maïs, mil penicillaire, sorgho, riz, blé, arachide, niébé (*Vigna unguiculata*). [Investigations, data obtained and proposals with a view to control the production of selected seeds of: maize, pearl millet, sorghum, rice, corn, peanut, cotton (*Vigna unguiculata*).] Agron. Trop. [France] 29(1):1-60, illus. Jan. 1974.
2188. CHANG, H. S., and LIN, C. I. Problems and development in seed testing in the Republic of China. Proc. Int. Seed Test. Assoc. 36(1):55-64, illus. 1971.
2189. CHOOBAMRONG, W., PHANOMSAWARN, K., and GIATGONG, P. The effectiveness of seed treatment by various fungicides for seed borne disease control. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 555-560, illus. Bangkok, 1974.
English summary.
2190. CHUAIPRASIT, C., MATHUR, S. B., and NEERGAARD, P. The light factor in seed health testing. Seed Sci. Technol. 2(4):457-475, illus. Ref. 1974.
French and German summaries.
2191. CONILL, A. F. Influência da embalagem plástica no poder germinativo do arroz-semente. [Influence of plastic packaging in the germinability of rice seeds.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p. 155-159, illus.
2192. DELOUCHE, J. C., and others. Storage of seed in sub-tropical and tropical regions. Seed Sci. Technol. 1(3):671-700, illus. Ref. 1973.
R. K. Matthes, G. M. Dougherty, and A. H. Boyd, joint authors.
French and German summaries.
2193. FESTRITZER, W. P. Better seed - a prerequisite for more and better food. Proc. Int. Seed Test. Assoc. 34(3):395-406, illus. 1969.
2194. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the Indonesia Seeds Preparation Mission. Rome, 1970. 30 p., annexes, map.
The demand for seeds and the milling and marketing of rice, Annex 2.
2195. FUKUNISHI, T., and KAGAMI, Y. Effect of non-mercuric fungicides against seed born diseases of rice. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 9:105-108, illus. June 1974.
2196. GONCALO, J. F. P., and MACIEL, V. S. Comparação de metodos de quebra de dormencia em sementes de arroz. [Comparison of the methods of breaking dormancy in rice seeds.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p. 153-154, illus.
2197. GONCALO, J. F. P. Produção de estoques básicos de semente de arroz pelo IPEAS. [Production of basic stocks of rice seeds by IPEAS.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p. 155.
2198. GUERRERO, F. C., MATHUR, S. B., and NEERGAARD, P. Seed health testing of rice. V. Seedborne fungi associated with abnormal seedlings of rice. Proc. Int. Seed Test. Assoc. 37(3):985-997, illus. 1972.
French and German summaries.
2199. HAYASHI, M., and HIMENO, M. Studies on the dormancy and germination of rice seed. III. Relations between germination of immature seed and seed dormancy, and growth inhibitors in rice. (In Japanese) Jap. J. Trop. Agric. 17(4):245-249, illus. Ref. Mar. 1974.
English summary.
2200. HOUSTON, D. F. Linear function for comparing viability loss rates in stored seeds. Seed Sci. Technol. 1(4):795-798, illus. Ref. 1973.
French and German summaries.
2201. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of Korean Seeds Project, Republic of Korea. Its Rep. No. 202a-KO, 21 p., annexes, maps. [Washington, D. C.] 1973.
Includes rice seeds.

2202. ITANI, T., and YAMAGATA, H. Effects of heat shock treatment on the radiosensitivity of rice seeds. I. Survival rate, seedling height, root length and seed fertility. (In Japanese) Bull. Hiroshima Agric. Coll. 5(1):53-57, illus. Ref. Dec. 1974.
English summary.
2203. ITATANI, I., and others. Germination of rice seeds stored for long period. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 69:19-21, illus. Mar. 1974.
K. Sugiyama, T. Ota, and K. Miyata, joint authors.
2204. IWANAMI, Y., and AKIZAWA, K. Studies on storage of seed in organic solvent. I. Some fundamental tests to establish the method for the storage of seed in organic solvent. (In Japanese) Jap. J. Breed. 24(2):59-64, illus. Ref. Apr. 1974.
English summary.
Includes rice seeds.
2205. KANAUIA, R. S. Studies on certain aspects of seed-borne fungi. IV. Seed-borne fungi of some starchy seeds. Acta Bot. Indica 2(2):129-135, illus. Ref. Dec. 1974.
2206. KANG, C. S., NEERGAARD, P., and MATHUR, S. B. Seed health testing of rice. VI. Detection of seed-borne fungi on blotter under different incubation conditions of light and temperature. Proc. Int. Seed Test. Assoc. 37(3):731-740, illus. Ref. 1972.
French and German summaries.
2207. KATAOKA, K. Modification of ethyleneimine sensitivity in presoaking rice seeds. (In Japanese) Bull. Fac. Agric. Tamagawa Univ. 13:72-82, illus. Ref. Dec. 1973.
English summary.
2208. KATO, Y., IYAMA, J., and HASHIMOTO, A. Studies on the utilization of coated seeds in rice cultivation. I. A method for seed coating. (In Japanese) Rep. Kyushu Br. Crop Sci. Soc. Japan 40:1-3, illus. Apr. 1974.
2209. KONGSEREE, N., and SAWANNATHONG, E. Study on dormancy period of recommended varieties and new promising lines. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.649-653, illus. Bangkok, 1974.
English summary.
2210. KOTANI, S., and SAITO, M. Effects of seed disinfection with non-mercuric fungicides on seed borne diseases of rice plants. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 9:123-125, illus. June 1974.
2211. KUMANO, S., SEKI, K., and KON, T. Relation between viability and respiration rate of rice seeds. (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:69-70, illus. Mar. 1974.
2212. LEMA NISTRI, L. La producción de semilla seleccionada de arroz y las ventajas de su uso. [The production of selected rice seed and the advantages of its use.] Arroz [Peru] 8(44):30-32, illus. July/Aug. 1974.
2213. MACIEL, V. S., FLORIO, W. G., and DITTRICH, R. C. Colheita mecânica de semente de arroz. [Mechanical harvesting of rice seed.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.148-152, illus.
2214. MAKINO, T., HISANAGA, M., and MORI, K. Seed disinfection in rice seedling-box. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:15, illus. Aug. 1974.
2215. MANAMOHANLAL, S. Steps for production of nucleus seeds and maintaining the purity of high yielding varieties of paddy. Farm Pract. 8(8):11-12. June 1974.
2216. MARIOT, C. Levantamento da semente analisada pelo Laboratorio de Análise de Semente do IRGA - safra 1972/73. [Survey of seeds analysed by the Seed Analysis Laboratory in IRGA - crop season 1972/73.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.160-164, illus.
2217. MARTINS, J. F. S., BERTELS, A., and DITTRICH, R. C. Estudo de métodos de armazenamento de semente de arroz. [Study of the methods of storage of rice seeds.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.128-132, illus.
2218. MATHUR, S. B., and NEERGAARD, P. Seed health testing of rice. IV. Effect of light and temperature on seed-borne fungi in the blotter test. Proc. Int. Seed Test. Assoc. 37(3):723-730, illus. 1972.
French and German summaries.
2219. NAKAGAWA, R. The project for Naujan area. (In Japanese) Agric. Asia 12(3):17-23, illus. Mar. 1974.
Rice seeds.
2220. NELLIST, M. E., and HUGHES, M. Physical and biological processes in the drying of seed. Seed Sci. Technol. 1(3):613-643, illus. Ref. 1973.
French and German summaries.

2221. OHATA, K., and KUBO, C. Study on the seed disinfection of rice plant with non-mercurio fungicoides. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 9:95-104, illus. Ref. June 1974.
2222. OHATA, K. Summarized results of the joint study on the seed disinfection of rice plant with non-mercurio fungicoides conducted by five agricultural experiment stations in Shikoku region. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 19:127-132, illus. June 1974.
2223. OTTAVO, Y., and TRIANA, A. Producción semilla básica de variedades promisorias y comerciales de arroz. [Basic seed production of promising and commercial rice varieties.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.168-176, illus.
2224. PAIVA, J. B., and others. Efeito do tempo de estocagem e tipos de embalagem na germinação de sementes de milho, arroz e feijão-de-corda. [The effect of period of storage and types of storage materials on the germination of seeds of corn, rice, and cowpea bean.] Cienc. Agron. 2(1):1-8, illus. Jan. 1972.
J. J. L. Albuquerque, P. A. A. Aguiar, and F. M. M. Cysne, joint authors.
2225. RAMAYYA, B., HANUMANATHA RAO, G. V., and RAJU, D. N. Studies on preservation of viability of second crop paddy seed material. Andhra Agric. J. 19(1/2):21-27, illus. Jan./Apr. 1972.
2226. RIBEIRO, A. S., and MARIOT, C. Condições fitossanitárias das sementes de arroz no Rio Grande do Sul. [Phytosanitary conditions of rice seeds in Rio Grande do Sul.] Lav. Arroz. 27(277):48-52, illus. Jan./Feb. 1974.
2227. ROBERTS, E. H. Predicting the storage life of seeds. Seed Sci. Technol. 1(3):499-514, illus. Ref. 1973.
French and German summaries.
2228. SCHROEDER, M., and others. Seed composition of 66 weed and crop species. Weed Sci. 22(4):345-348, illus. Ref. July 1974.
J. Deli, E. D. Schall, and G. F. Warren, joint authors.
Includes rice.
2229. SHIGEMATSU, Y., and TACHIBANA, Y. On the effect of non-mercuric fungicoides against seed borne diseases of rice. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 9:119-122, illus. June 1974.
2230. SIKDER, H. P. Dormancy of paddy seeds of a 'non-dormant' variety. J. Exp. Bot. 25(84):176-179, illus. Feb. 1974.
2231. SILVA, P. D. DA. Sementes de alta qualidade. [Seeds of high quality.] Lav. Arroz. 27(279):33-35, illus. May/June 1974.
2232. SINGH, A., DOUGLAS, J. E., and KAHRE, L. Good quality seed use accelerated in India. Proc. Int. Seed Test. Assoc. 36(1):23-31, illus. 1971.
French and German summaries.
2233. SONNIER, E. A. Cost of production of foundation seed rice. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:30-40, illus. 1973.
Also in Rice J. 77(7):56-57. July 1974.
2234. SONNIER, E. A. Foundation seed rice program. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:27-29. 1973; 66th:34-36. 1974.
2235. THULASIDAS, G., and RAMACHANDRAN, K. Tetrazolium chloride as an indicator of viability of seeds of rice. Madras Agric. J. 60(8):781-785. Ref. Aug. 1973.
2236. TINARELLI, A. Les problemes relatifs a la production des semences de riz. [The relative problems in the production of rice seeds.] Bull. Inf. Rizicult. Fr. 153:17-19. July/Aug. 1974.
2237. UEHARA, H. Experiments on the seed disinfection of rice plant with non-mercuric fungicoides, especially Benlate-T wettable powder-20. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 9:109-117, illus. Mar. 1974.
2238. WATANABE, G. Rice seed senility and physiology of germination. 1. Relationship between respiration and germination of rice seeds produced in different years. (In Japanese) Tohoku Agric. Res. 15:78-79, illus. Apr. 1974.
2239. WATANABE, M., KANBAYASHI, Y., and SATO, S. Varietal difference of viviparity of rice seeds in different districts. (In Japanese) Rep. Tohoku Br. Crop Sci. Soc. Japan 16:28-31, illus. Mar. 1974.
2240. YASUE, T., and SUGISAKI, H. Breaking of rice seeds dormancy by use of metabolic inhibitors. (In Japanese) Rep. Tokai Br. Crop Sci. Soc. Japan 68:7-9, illus. Nov. 1973.
2241. YUKIMOTO, M., and ODA, M. Activity of propanil-hydrolyzing enzyme in the rice seeds. (In Japanese) Noyaku Kagaku 2(3):117-120, illus. Dec. 1974.
English summary.

PLANT PROTECTION

GENERAL

2242. AOYAGI, K., NIREI, M., and NAKAJIMA, M. Application of the boom type blow head duster for controlling of insect pests and diseases of rice plant. VII. Spraying of micro granule F with the 110 meter type blow head duster. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:76-78, illus. Nov. 1974.
2243. AOYAGI, K., SHIDA, K., and SHIMONAO, Y. Difficulty in controlling of rice plant pest with ultra low volume spray and mist spray in the mountainous area. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:78-80, illus. 1974.
2244. APPLE, J. L., and SMITH, R. F. A preliminary study of crop protection problems in selected Latin American countries. Berkeley, University of California, 1972. 41 p.
2245. ASAF ALI, K., and NAIR, M. R. G. K. Microbioassay of endrin residues on rice. 1-2. Madras Agric. J. 60 (7):436-438; 439-440, illus. July 1973.
1. Standardization of a microbioassay technique; 3. Determination of residues on rice plants.
2246. ATIENZA, A. J. Controlling the pest of rice. Greenfields 3(1):14-15. n.d.
2247. CALTAGIRONE, L. E., and others. The crop protection situation in Guatemala, Honduras, Nicaragua, Costa Rica, Panama, and Guyana; a multi-disciplinary study team report. Berkeley, University of California, 1972. 81 p., illus.
M. W. Allen, W. J. Kaiser, and J. R. Orsenigo, joint authors.
2248. CATLING, H. D. Strategy of pest management for HYV's under rainfed condition. In Pap. Workshop on Massive Production of HYV of Rice under Rainfed Condition in Bangladesh, 1974, p.125-129. Dacca, Bangladesh, 1974.
2249. CHIARAPPA, L. Reducing crop losses. In Man, food and nutrition, p.163-176, illus. Ref. Ohio, CRC Press, 1973.
Includes rice pest and disease control in Japan.
2250. CUSTODIO, H. A. Crop protection in the Masagana programs. In Proc. Conf. on Plant Protection in Tropical and Sub-tropical Areas, Manila, 1974, 12 p., tables.
2251. ECHANDI, E., and others. Crop protection in Brazil, Uruguay, Bolivia, Ecuador and Dominican Republic; a multi-disciplinary study team report. Berkeley, University of California, 1972. 68 p.
J. K. Knoke, E. L. Nigh, M. Shenk, and G. T. Weekman, joint authors.
2252. ESTIOKO, E. R. Coping with the common rice pests and diseases. Mod. Agric. Ind. 2(6):4, 27, illus. June 1974.
2253. ESTOCAPIO, S. A. Crop protection programs and problems of the Philippines. In Conf. on Plant Protection in Tropical and Sub-tropical areas, Manila, 1974, p.215-228. West Germany, Federal Agency for Economic Cooperation, 1974.
Includes control of rice pests and diseases.
2254. GINN, T. M., and FISHER, F. M. Studies on the distribution and flux of pesticides in waterways associated with a ricefield--marshland ecosystem. Pestic. Monit. J. 8(1):23-32, illus. Ref. June 1974.
2255. GINN, T. M. Studies on the distribution of chlorinated hydrocarbon pesticides in a ricefield-marshland ecosystem. Houston, Texas, 1973. 134 p., illus. Ref.
Thesis (Ph.D.)--Rice University.
2256. HUQUE, H. Preliminary report on the residues of carbaryl granules in rice plants. In Radiotracer studies of chemical residues in food and agriculture, 107-109, illus. Vienna, International Atomic Energy Agency, 1972.
2257. IIZUKA, Y. Application of Disyston granule to nursery box of rice plant. (In Japanese) Noyaku Kenkyu 20(3):13-17, illus. Feb. 1974.
2258. JAPAN. BUREAU OF AGRICULTURAL ADMINISTRATION. General and detailed rules for the enforcement of disease and insect outbreak forecast work for ordinary crops in Japan. (In Japanese) Tokyo, 1971. 209 p., illus.
Rice, p.22-66.
2259. KAMIMURA, S., and others. Absorption and metabolism of 3-hydroxy-5-methylisoxazole in plants and the biological activities of its metabolites. Phytopathology 64(10):1273-1281, illus. Ref. Oct. 1974.
M. Nishikawa, H. Saeki, and Y. Takahi, joint authors.
2260. KHAN, D. U. Pest management problems in deep water rice. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 4 p., tables, figs.

2261. KO, K. Utilization of antibiotic as pesticides. (In Japanese) *Plant Protect.* [Japan] 28(5):175-183, illus. May 1974.
2262. KURITA, T. Control of diseases and insects in the coming 1974 season. (In Japanese) *Noyaku Graph* 50:6-7, illus. Apr. 1974.
2263. LEE, Y. S. Disease and insect control during late stage in paddy field. (In Korean) *Agric. Technol [Korea]* 8(6):1-2, illus. Aug. 1974.
2264. LEE, Y. S. Disease and insect control during middle stage in paddy field. (In Korean) *Agric. Technol. [Korea]* 8(5):3-4, illus. July 1974.
2265. MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI). Annual report for the year ending December 31, 1972. Kuala Lumpur, n.d. 47 p., illus.
Crop protection-padi, p.20-22.
2266. MASUDA, T., and KANAZAWA, J. Residue of Kitazin P metabolite in rice plants and soil. *Agric. Biol. Chem.* 37 (12):2931-2932, illus. Dec. 1973.
2267. MOCHIDA, O. Effect of insecticides and fungicides on yield of paddy rice in Kyushu, Japan. *FAO Plant Protect. Bull.* 22(4):87-91, illus. Ref. Aug. 1974.
2268. OTSUKA, K. System for valuation of safety of pesticides. (In Japanese) *Noyaku Kenkyu* 20(1):1-5, illus. Aug. 1973.
2269. PARFENYUK, A. A., and others. Izuchenie effektivnosti yalana i ordrama na posevakh risa. [Effectiveness of yalan and ordram on fields of rice seedlings.] *Khim. Sel'sk. Khoz.* 12(1):46-48, illus. 1974.
P. S. Golovanev, I. B. Kogan, A. I. Simonovich, and T. K. Kolesnikova, joint authors.
2270. PETERSON, G. D. Pest management: concepts, objectives, and problems. Honolulu, Hawaii, East-West Center, 1974. 157 p. Ref.
The green revolution: challenge to pest management, p.115-131. Ref.
2271. PLANT PROTECTION CENTER, TAIWAN. Annual report (covering the period July 1, 1972-December 31, 1973.) Taiwan, n.d. 42 p.
Includes researches on rice.
2272. RICE: its pests--insects and diseases. *World Farming* 16(3):20-22, illus. Mar. 1974.
In Spanish in *Agric. Am.* 23(2):30-32, illus. Feb. 1974.
2273. SAITO, M., and KITAYAMA, M. Studies on the prevention of poisoning of agricultural chemicals. 19. Organochlorine pesticides residues in water and soil. (In Japanese) *Rep. Hokkaido Inst. Public Health* 24:126-127, illus. June 1974.
2274. SASAKI, T. Effect of "temporon" on paddy field rice culture. (In Japanese) *Akita Kenritsu Nogyo Daigaku Nenpo* 6:1-7, illus. June 1972.
2275. SASSER, J. N., and others. Crop protection in Senegal, Niger, Mali, Ghana, Nigeria, Kenya, Tanzania and Ethiopia; a multi-disciplinary study team report. Berkeley, University of California, 1972. 61 p.
H. T. Reynolds, W. F. Meggitt, and T. T. Hebert, joint authors.
2276. SHIZUOKA AGRICULTURAL EXPERIMENT STATION. Annual report of the disease and insect forecasting in 1972. (In Japanese) Shizuoka, 1973. 147 p., illus. (Shiryō No.1335)
2277. SHIZUOKA AGRICULTURAL EXPERIMENT STATION. Annual report of the disease and insect forecasting in 1973. (In Japanese) Shizuoka, 1974. 121 p., illus. (Shiryō No.1395)
2278. SRIHARAN, S., GARG, A. K., and PRASAD, Y. Site of retention of insecticides applied to flooded rice plants. *Entomol. Newsl.* 4(9):48-49. Sept. 1974.
2279. SUENAGA, H. Spray calendar for the control of diseases and insect pests of paddy rice crop in the southwest warm region of Japan. *Japan Pestic. Inf.* 21:9-13, illus. Oct. 1974.
2280. TAKAHASHI, A., and others. A trial on reduction of pesticidal applications for lessening cost in a cooperative rice culture area. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:23, illus. Aug. 1974.
H. Kibushi, T. Sakakibara, T. Sugino, T. Sawaki, and Y. Muramatsu, joint authors.
2281. TAKENAGA, T. Granule applicator and application method of new formulation, fine granule F. (In Japanese) *Noyaku Kenkyu* 20(3):34-39, illus. Feb. 1974.
2282. TANAKA, T., and TAKENAGA, T. Application methods of pesticides tested in 1973. (In Japanese) *Plant Protect.* [Japan] 28(2):65-66. Feb. 1974.

2283. THIRUMURTHI, S., and others. Effect of aerial spraying on non-target organisms inhabiting rice swamps. Madras Agric. J. 60(7):573-574, illus. July 1973.
P. Palaniswamy, T. R. Subramaniam, and S. Kannammal, joint authors.
2284. TOMIZAWA, C., UESUGI, Y., and MURAI, T. Fate and significance of fungicides in rice. In Radiotracer studies of chemical residues in food and agriculture, p.103-103, illus. Vienna, International Atomic Energy Agency, 1972.
2285. UEJIMA, T. Integrated control of rice insect pests and diseases and utilization of microgranule in future. (In Japanese) Agric. Hortic. 49(7):883-888, illus. Ref. July 1974.
2286. UEJIMA, T. Rice plant protection only with fine granule F. (In Japanese) Noyaku Kenkyu 20(3):28-33, illus. Feb. 1974.
2287. VALLES, E. A or zicultura nipónica e o combate às suas pragas e doenças. [Japanese rice culture and control of its pests and diseases.] Gaz. Agric. [Portugal] 18(9):657, 659, 661. Sept. 1973.
2288. WATANABE, T. Inoculum density of plant pathogenic fungi in soil in relation to their pathogenicity and disease occurrence. (In Japanese) Plant Protect. [Japan] 28(6):229-235, illus. Ref. June 1974.
2289. YAMAGUCHI, T., KISHI, K., and IIDA, W. Pesticides for rice, vegetables and ornamental plants tested in 1973. (In Japanese) Plant Protect. [Japan] 29(2):45-49. Feb. 1974.

DISEASES

General Diseases

2290. AKAI, S. History of plant pathology in Japan. Annu. Rev. Phytopathol. 12:13-26. Ref. 1974.
Includes rice diseases.
2291. ATKINS, J. G. Rice diseases of the Americas; a review of literature. Washington, D. C., U.S. Agricultural Research Service, 1974. 106 p., illus. Ref. (Agric. Handbk. No.448)
2292. BIDAUX, J. M. Acquisition et gestion de la résistance des plantes aux maladies. [Development and management of plant resistance to diseases.] Agron. Trop. [France] 29(9):952-965, illus. Ref. Sept. 1974.
2293. COTHER, E. J. The importance of rice diseases in New South Wales. Farmers' News. Large Area 91:25, 27-28. July 1974.
2294. DE CAROLIS, C. Il "gentiluomo" del riso in Italia. I. Osservazioni su sintomatologia ed eziologia. [The rice "gentiluomo" disease in Italy. I. Observations on symptomatology and etiology.] Riso 23(1):43-52, illus. Ref. Mar. 1974.
English summary.
2295. JUNG, H. F., and YAMADA, Y. Major diseases of tropical and subtropical rice and their control. Pflanzenschutz-Nachr. Bayer 25(1):64-84, illus. Ref. 1972.
French and Spanish summaries.
2296. KAUFFMAN, H. E. Disease resistance in rice. In Proc. Conf. on Plant Protection in Tropical and Sub-tropical Areas, Manila, 1974, 4 p., tables, figs.
2297. KUEH TIONG-KHENG. List of new plant diseases in Sarawak, 1972. Bangkok, FAO Regional Office for Asia and the Far East, 1974. 9 p. (Tech. Doc. No.94)
2298. MIAH, S. A. Disease problems of deep water rice in Bangladesh. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 6 p., tables.
2299. MIAH, S. A. Disease of deep water rice in Bangladesh. In Bangladesh Rice Research Institute. Deep water rice in Bangladesh, p.122-139, illus. Dacca, Aug. 1974.
2300. MIZUKAMI, T., KISHI, K., and IIDA, W. Test results on crop disease control chemicals in 1972. (In Japanese) Plant Protect. [Japan] 27(2):43-47. Feb. 1973.
2301. NEERGAARD, P. Seed-borne diseases and Indian agriculture. Proc. Indian Natl. Sci. Acad. B 36(4):222-237, illus. Aug. 1970.
Includes rice diseases.

2302. NICKEL, J. L. Research and training for the control of plant diseases at international research centres. *FAO Plant Protect. Bull.* 22(1):14-18. Feb. 1974.
2303. PADMANABHAN, S. Y. Control of rice diseases in India. *Indian Phytopathol.* 27(1):1-28, illus. Ref. Mar. 1974.
2304. RIBEIRO, A. S. Duas novas doenças de arroz. [Two new diseases of rice.] *Lav. Arroz.* 26(275):7-9, illus. Sept./Oct. 1973.
2305. RUSH, M. C., and LINDBERG, G. D. Rice disease research. *Rice J.* 77(7):49, 52, illus. July 1974. In Louisiana.
2306. SANNE GOWDA, S., MAHADEVAPPA, M., and RAVI, P. C. Reaction of some new varieties of rice to various diseases occurring in Mysore State. *Curr. Res.* 2(10):77-78. 1973.
2307. SEVILLA-SANTOS, P., and BARRAQUIO, W. L. Laboratory screening of local streptomyces isolates for antibiotic activity against *Xanthomonas oryzae* (Uyeda and Ishiyama) Dowson and *Pyricularia oryzae* Cav. *Philipp. J. Sci.* 101(1/2):1-14, illus. Ref. Mar./June 1972, pub. 1974.
2308. SRIVASTAVA, M. P., MAHESHWARI, S. K., and KANG, M. S. Multiple resistance for diseases in rice varieties. *Riso* 23(3):283-285, illus. Sept. 1974. Italian summary.
2309. TRIHARSO, SOEMANTRI, and SOEDARSONO. Rice disease problems in the tidal area in South Kalimantan. (Paper presented at the Conf. on Tidal Swamp Rice, Banjarmasin, Indonesia, 1973) 8 p., illus., fig.
2310. VEERRAJU, V., and PRASAD, N. N. Screening rice varieties for inhibitor. *AUARA (Annamalai Univ. Agric. Res. Annu.)* 4/5:188-190, illus. 1972/73.
2311. WHITNEY, G. Rice disease research. *Rice J.* 77(7):66. July 1974. In Texas.
2312. WIRJOSUHARDJO, S. Hama-hama padi di daerah pasang surut Kalimantan selatan dan Kalimantan tengah. [Rice diseases and tidal swamp rice area, South and Central Kalimantan.] (Paper presented at the Conf. on Tidal Swamp Rice, Banjarmasin, Indonesia, 1973) 9 p., illus.
2313. WONGSASITORN, D., and SUPAVITA, P. Study on some air borne spores of rice diseases in the paddy fields. (In Thai) In Thailand. *Rice Dept. Annual research report*, 1971, p.497-503, illus. Bangkok, 1974. English summary.
2314. YAMAGUCHI, T. Control of rice diseases by fine granular formulation. *Japan Pestic. Inf.* 19:9-13, illus. Apr. 1974.
2315. YAMAGUCHI, T. Control of rice diseases by fungicides applied to submerged water in Japan. *JARQ (Japan Agric. Res. Q.)* 8(1):32-36, illus. Ref. Jan. 1974.

Physiological Diseases

2316. AGARWALA, S. C., and SHARMA, C. P. Non pathogenic disorders of crop plants, specially of high yielding varieties. In Raychaudhuri, S. P., and Verma, J. P., eds. Current trends in plant pathology, p.40-52, illus. Ref. Lucknow, Dept. of Botany, University of Lucknow, 1974.
2317. ISMUNADJI, M., and others. Physiological disease of rice in Cihea. *Potash Rev.* 23/41:1-5, illus. 1974. L. N. Hakim, I. Zulkarnaini, and F. Yazawa, joint authors.
2318. KANAREUGSA, S., and CHANTRATHARAGUL, Y. The abnormal discoloring in levels of RD 1 rice. (In Thai) In Thailand. *Rice Dept. Annual research report*, 1971, p.333-337. Bangkok, 1974. English summary.
2319. KUO, K. E. Control of the suffocating disease in rice. (In Chinese) *Taiwan Agric. Q.* 10(2):152-183, illus. June 1974. English summary.
2320. KWACK, B. H. Effects of carboxin treatment and leaf-nitrogen differences on red discoloration of rice var. IR 667 (Tongil). (In Korean) *Res. Rep. Off. Rural Dev. [Korea] 16(Soil Sci. Fert.):107-114*, illus. Ref. Aug. 1974. English summary.

2321. NADERMAN, G. C. "Yellowing" of rice (*Oryza sativa* L.) as related to root development and mineral nutrition in soils of the eastern plains of Colombia. Ithaca, N. Y., 1973. 228 p., illus. Ref.
Thesis (Ph.D.)--Cornell University.
Abstract in Diss. Abstr. Int. B 34(11):5284-B. May 1974.
2322. OFFERMANN, G. P. Effects of pH, phosphorus, and bicarbonate on iron chlorosis in rice. Davis, Calif., 1972. 139 p., illus. Ref.
Thesis (Ph.D.)--University of California, Davis.
Abstract in Diss. Abstr. Int. B 34(1):20-B. July 1973.
2323. RANDHAWA, N. S., and PASRICHA, N. S. Forecast and control of nutritional diseases in plants. Proc. Indian Natl. Sci. Acad. B 37(6):413-422, illus. Ref. Dec. 1971.
2324. RATH, G. C. Reaction of high yielding rice varieties to Stackburn disease. Sci. Cult. 40(6):262-263, illus. June 1974.
2325. RHEE, J. Y., and PARK, Y. D. The effect of K and rice variety on root rot of rice grown on an Akiochi in Korea. Res. Rep. Off. Rural Dev. [Korea] 16(Soil Sci. Fert.):93-98, illus. Ref. Aug. 1974.
Korean summary.
2326. TASHIRO, T., and EBATA, M. Studies on white-belly rice kernel. II. Location on the panicle on occurrence of white-belly kernel. (In Japanese) Proc. Crop Sci. Soc. Japan 43(1):105-110, illus. Ref. Mar. 1974.
English summary.
2327. WEISS, M. Rice (*Oryza sativa* L.) seedling-chlorosis correction by Fe, Zn, and H₂SO₄ applications. College Station, Texas, 1973. 106 p., illus. Ref.
Thesis (Ph.D.)--Texas A & M University.
Abstract in Diss. Abstr. Int. B 34(12):5783-B. June 1974.
2328. YAZAWA, F. Physiological disorder of rice plant, "Mentek". (In Japanese) Kagaku Seibutsu 12(12):815-818. Dec. 1974.

Virus Diseases

2329. ACADEMIA SINICA. SHANGHAI INSTITUTE OF BIOCHEMISTRY. Studies on the pathogens of the rice black streak dwarf disease. I. Viruslike particles in the insect vector, the planthopper *Laodelphax striatellus*, Fallen. Sci. Sin. 17(2):273-283, illus. Ref. Apr. 1974.
2330. AMICI, A., OSLER, R., and BELLI, G. An isometric virus associated with the "giallume" disease of *Oryza sativa*. Phytopathol. Z. 79(3):285-288, illus. Mar. 1974.
German and Italian summaries.
2331. ANJANEYULU, A. Epidemiological studies of rice tungro virus disease in India. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 12 p., illus.
2332. ANJANEYULU, A. Field screening for resistance to rice tungro virus in India. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 5 p., tables.
2333. ANJANEYULU, A. Identification of grassy stunt, a new virus disease of rice in India. Curr. Sci. 43(13):416-417. July 5, 1974.
2334. ASAGA, K., and FURUTA, T. Affinity between pathogen of rice yellow dwarf and green rice leafhopper from several districts in Japan. (In Japanese) Proc. Kyoto-Tosan Plant Protect. Soc. 21:19-20, illus. Aug. 1974.
2335. BAKKER, W. Characterization and ecological aspects of rice yellow mottle virus in Kenya. Wageningen, Centre for Agricultural Publishing & Documentation, 1974. 152 p., illus. Ref.
Dutch summary.
2336. BASU, A. N., and others. The joint infection of rice tungro and yellow dwarf. Ann. Phytopathol. Soc. Japan 40(1):87-89, illus. Jan. 1974.
A. Ghosh, M. D. Mishra, F. R. Niazi, and S. P. Raychaudhuri, joint authors.
2337. CHANDRA MOHAN, J., and NATARAJAN, T. Occurrence of yellow dwarf virus disease on rice at Coimbatore. Madras Agric. J. 60(7):579, illus. July 1973.
2338. CHIKURA, S., and others. On the damage and varietal resistance of paddy rice plant caused by "rice-walka disease". (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 12:45-48, illus. Aug. 1974.
K. Harada, Y. Moriyama, S. Imabayashi, and T. Mizota, joint authors.

2339. CHOWDHURY, A. K., and MUKHOPADHYAY, S. Effect of rice tungro virus (RTV) infection on starch, reducing sugar and phosphorus contents of leaves of different varieties of rice. *Curr. Sci.* 43(9):280-281. May 5, 1974.
2340. CHU, C. L. Effects of temperature and light on transmission of rice tungro disease. College, Laguna, 1971. 55 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
2341. CHUNG, B. J. Studies on the occurrence, host range, transmission, and control of rice stripe disease in Korea. (In Korean) *Korean J. Plant Protect.* 13(4):181-204, illus. Ref. Dec. 1974.
English summary.
2342. DAS, S. R., SAHOO, G. P., and LENKA, D. A possible virus malady of rice. *Curr. Sci.* 43(3):84-85, illus. Feb. 5, 1974.
2343. DE CAROLIS, C., and LECHI, G. M. Rilievi da terra e dall'aereo nell'infrarosso fotografico e termico su campi di riso affetti da "giallume". I. Rilievi da terra. [Near and thermal infrared investigations from ground and aircraft on rice fields affected by "giallume" disease. I. Ground investigations.] *Riso* 23(1):19-41, illus. Ref. Mar. 1974.
English summary.
2344. FUJIKAWA, T., and others. Relation between the infected soil and the occurrence of rice necrosis mosaic. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:76-78, illus. 1974.
T. Tomiku, S. Sato, and S. Ando, joint authors.
2345. FURUCHI, Y., and MIURA, K. The 3'-terminal structure of the genome RNA segments of rice dwarf virus. *Annu. Rep. Natl. Inst. Genet. [Japan]* 24:12. 1973, pub. 1974.
2346. GALVEZ, G. Hoja blanca del arroz, transmisión y caracterización del virus, y su control. [Hoja blanca of rice: transmission and characterization of the virus, and its control.] *Rev. Inst. Colomb. Agropecuar.* 9(2):229-270, illus. Ref. June 1974.
2347. GALVEZ, G. E. Rice tungro virus. In *Commonwealth Mycological Institute. Descriptions of plant viruses, Set 4, Sheet No. 67, 3 p., illus. Ref. Key, Surrey, England, 1971.*
2348. GHOSH, A., and MISHRA, M. D. Virus diseases of rice. In Raychaudhuri, S. P., and Verma, J. P., eds. *Current trends in plant pathology*, p. 53-60. Ref. Lucknow, Dept. of Botany, University of Lucknow, 1974.
2349. GHOSH, S. K., and RAYCHAUDHURI, S. P. Investigations on mycoplasmal diseases of plants in India. In Raychaudhuri, S. P., and Verma, J. P., eds. *Current trends in plant pathology*, p. 112-121. Ref. Lucknow, Dept. of Botany, University of Lucknow, 1974.
Includes rice yellow dwarf.
2350. GOPALAKRISHNAN, R., and others. Grassy stunt epidemic in Kerala. *Agric. Res. J. Kerala* 11(1):84. Mar. 1973.
N. Gopalan, K. M. George, and S. N. Shanmugham, joint authors.
2351. GOPALAKRISHNAN, R., and others. Occurrence of 'tungro' virus disease of rice in Kerala. *Agric. Res. J. Kerala* 11(1):77. Mar. 1973.
N. Gopalan, K. M. George, B. Thomas, and S. N. Shanmugham, joint authors.
2352. HALTEREN, P. VAN, SAMA, S., and SALEH, K. M. The tungro virus disease in Sulawesi. In *Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p. 175-184, illus. Jakarta, 1974.*
2353. HALTEREN, P. VAN, and SAMA, S. The tungro virus disease of 1972-1973 in South Sulawesi. *Bull. Lembaga Penelit. Maros* 3:[2 p.] illus. Mar. 1974.
2354. HINO, T., and others. Studies on rice yellow orange leaf virus disease in Thailand. Tokyo, Tropical Agriculture Research Center, Dec. 1974. 67 p., illus. Ref. (Tech. Bull. No. 7)
L. Wathanakul, N. Nabheerong, P. Surin, U. Chaimongkol, S. Disthaporn, M. Putta, D. Kerdchokchai, and A. Surin, joint authors.
2355. HIRAO, J. Control of the vector planthopper and the rice stripe virus in the plain area of Chugoku District. (In Japanese) *Bull. Chugoku Natl. Agric. Exp. Sta. Ser. E* 9:1-18, illus. Ref. Dec. 1973.
English summary.
2356. HIRAO, J., SATOMI, H., and OKADA, T. Transmission of the "Waisei" disease of rice plant by the green rice leafhopper, *Nephotettix cincticeps* Uhler. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:128-133, illus. 1974.
English summary.
2357. KAWASAKI, I., and OKAMOTO, D. Progress and problems of the co-operative studies on the "Waisei" disease of rice plant in Kyushu. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:115-116, illus. 1974.

2358. KIMURA, I. Concentration of rice dwarf virus determined by particle counts. Rep. Tottori Mycol. Inst. 10:779-786, illus. Ref. Aug. 1973.
Japanese summary.
2359. KIRITANI, K. Control of rice dwarf virus by the application of Disyston granule to young seedlings. (In Japanese) Noyaku Kenkyu 20(3):18-22, illus. Feb. 1974.
2360. KISO, A., YAMAMOTO, T., and KITANI, K. Studies on rice stripe disease with special reference to the causal virus, its location in the diseased tissues and the metabolic changes in the diseased plant. (In Japanese) Bull. Shikoku Agric. Exp. Stn. 27:1-87, illus. Ref. July 1974.
English summary.
2361. KITAGAWA, Y., and SHIKATA, E. Effect of corn extract and organic solvents on the infectivity of rice black streaked-dwarf virus. (In Japanese) Rep. Tottori Mycol. Inst. 10:787-795, illus. Aug. 1973.
English summary.
2362. KITAGAWA, Y., and SHIKATA, E. Multiplication of rice black-streaked dwarf virus in its plant and insect hosts. (In Japanese) Ann. Phytopathol. Soc. Japan 40(4):329-338, illus. Ref. Sept. 1974.
English summary.
2363. KOBAYASHI, K., and others. Occurrence of the "Waisei" disease of rice plant and researches on its causal agent. (In Japanese) Proc. Assoc. Plant Protect. Kyushu 20:125-128, illus. 1974.
S. Tanoue, K. Shimada, and T. Shigenaga, joint authors.
2364. KODAMA, T., KIMURA, I., and SUZUKI, N. Behavior of virus-specific ribonucleic acid in rice dwarf virus-infected rice plants. In Biochemical regulation in diseased plants or injury; proo. of the international symposium, Tokyo, 1967, p. 59-70, illus. Ref. Tokyo, Phytopathological Society of Japan, 1968.
Includes discussion.
2365. KUREHA, Y., KOBAYASHI, S., and SHIBAMOTO, T. Relation between the degree of yellow dwarf of rice plant and yield. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:18, illus. Aug. 1974.
2366. KYUSHU AGRICULTURAL EXPERIMENT STATION. Survey report on "Waisei" disease of rice plant, 1972. (In Japanese) Chikugo, 1973. 100, 20 p., illus.
2367. KYUSHU AGRICULTURAL EXPERIMENT STATION. Survey report on "Waisei" disease of rice plant, 1973. (In Japanese) Chikugo, 1974. 96 p., illus.
2368. LECHI, G. M., and DE CAROLIS, C. Rilievi da terra e dall'aereo nell'infrarosso fotografico e termico su campi di riso affetti da "giallume". 2. Rilievi dall'aereo. [Near and thermal infrared investigations from ground and aircraft on rice fields affected by giallume disease. 2. Aerial investigations.] Riso 23(2):159-172, illus. June 1974.
English summary.
2369. MOMOTA, Y. Some experiments on the vector of rice necrosis mosaic virus. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:21-23, illus. Aug. 1974.
2370. NABHEERONG, N., SURIN, A., and KERDOCHOKCHAI, D. Physico-chemical properties of the rice yellow orange leaf virus. Serological studies on the rice yellow orange leaf virus. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 642-645. Bangkok, 1974.
English summary.
2371. NAKASUJI, F. Epidemiological study on rice dwarf virus transmitted by the green rice leafhopper Nephotettix cincticeps. JARQ (Japan Agric. Res. Q.) 8(2):84-91, illus. Ref. Apr. 1974.
2372. NASU, S., and SUJIURA, M. Research for culture media of the rice yellow dwarf mycoplasma-like organism. (In Japanese) Jap. J. Appl. Entomol. Zool. 18(3):145-146, illus. Ref. Sept. 1974.
2373. NISHI, Y., KIMURA, T., and MAEJIMA, I. Causal agent of the "Waisei" disease of rice plant. (In Japanese) Proc. Assoc. Plant Protect. Kyushu 20:133-139, illus. 1974.
2374. ÖSLER, R., AMICI, A., and BELLI, G. Transmission of rice "giallume" by an aphid, Rhopalosiphum padi. Riv. Patol. Veg. Ser. 4, 10(1):5-17, illus. Jan./Mar. 1974.
Italian summary.
2375. OZAKI, K., OKUMA, M., and IWABU, T. An evaluation of cartap for control of the rice dwarf virus. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 9:7-11, illus. June 1974.
English summary.
2376. PODKIN, O. V., and PANARIN, I. V. Porazhaemost' risa virusnymi boleznyami v eksperimente. [Experimental infection of rice by virus diseases.] Byul. Nauchno-Tekh. Inf. VNII Risa 7:49-51, illus. 1972.

2377. PRASADA RAO, R. D. V. J., and JOHN, V. T. Alternate hosts of rice tungro virus and its vector. *Plant Dis. Rep.* 58(9):856-860, illus. Sept. 1974.
2378. REDDY, D. V. R., KIMURA, I., and BLACK, L. M. Co-electrophoresis of dsRNA from wound tumor and rice dwarf viruses. *Virology* 60(1):293-296, illus. Ref. July 1974.
2379. REIFMAN, V. G., and PINSKER, N. I. Virusnoe zabolovanie risa v primorskom krae. [Virus diseases of rice in Primorye Territory.] *In* *Virusnye bolezni rastenii dal'nego vostoka*, p.159-161. Vladivostok, Akademiya Nauk SSSR, 1973.
2380. SAKAI, H., and others. Studies on the "Waimei" disease of rice plant. II. Chemical applications and net-covering. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:119-121, illus. 1974.
M. Noda, K. Yoshida, D. Yoshimura, H. Ikeda, and S. Yokoyama, joint authors.
2381. SEKI, M., and others. Studies on the "Waimei" disease of rice plant in Saga Prefecture. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:121-125, illus. 1974.
S. Onituka, K. Miyahara, H. Koga, and M. Matuzaki, joint authors.
2382. SHIGEMATSU, Y., and YOSHIOKA, K. Studies on the ecology and control of rice plant stripe disease. 9. Effects of the control in nursery and paddy fields. (In Japanese) *Bull. Ehime Agric. Exp. Stn.* 15:23-44, illus. Ref. Mar. 1974.
2383. SHIKATA, E. Rice black-streaked dwarf virus. *In* *Commonwealth Mycological Institute and Association of Applied Biologists. Descriptions of plant viruses, Set 8, Sheet No.135, 4 p.*, illus. Ref. Kew, Surrey, England, July 1974.
2384. JMITH, K. M. A textbook of plant virus diseases. New York, Academic Press, 1972. 684 p., illus.
Includes rice diseases.
2385. SURIN, P., KERDCHOKCHAI, D., and SURIN, A. Studies on other vectors of yellow orange leaf virus other than *Nephotettix* sp., *Recilia dorsalis* and mealy bug. (In Thai) *In* *Thailand. Rice Dept. Annual research report, 1971*, p.630-634, illus. Bangkok, 1974.
English summary.
2386. SURIN, P., KERDCHOKCHAI, D., and SURIN, A. Studies on YOLV transmission ability of *Nephotettix virescens* (*impicticeps*) collected from various localities. (In Thai) *In* *Thailand. Rice Dept. Annual research report, 1971*, p.635-641, illus. Bangkok, 1974.
English summary.
2387. SURIN, P., PUTTA, M., and SURIN, A. Yellow orange leaf virus on RD 1 variety. (In Thai) *In* *Thailand. Rice Dept. Annual research report, 1971*. p.625-629, illus. Bangkok, 1974.
English summary.
2388. TAKEHARA, M. Interferon inducing activity of rice dwarf virus RNA. (In Japanese) *Igaku to Seibutsugaku* 86(5):293-296, illus. May 1973.
2389. TING, W. P., and ONG, C. A. Studies on penyakit merah disease of rice. IV. Additional hosts of the virus and its vector. *Malays. Agric. J.* 49(3):269-274, illus. Jan. 1974.
2390. TRIHARSO. Usaha pemberantasan penyakit habang pada padi dan penyakit geening pada jeruk. [Effort on controlling habang disease of rice and greening disease of citrus.] (Paper presented at the Conf. on Tidal Swamp Rice, Banjarmasin, Indonesia, 1973) 11 p., illus. Ref.
2391. VIRUSES and invertebrates, ed. by A. J. Gibbs. Amsterdam, North-Holland Pub. Co., 1973. 673 p., illus.
Includes rice virus diseases.
2392. WATHANAKUL, L., DISTHAPORN, S., and PUTTA, M. Chemical control of yellow orange leaf vectors. (In Thai) *In* *Thailand. Rice Dept. Annual research report, 1971*, p.616-621, illus. Bangkok, 1974.
English summary.
2393. WATHANAKUL, L., DISTHAPORN, S., and PUTTA, M. Distribution and prevalence of viruliferous vectors of yellow orange leaf virus in central, north eastern and northern regions of Thailand. (In Thai) *In* *Thailand. Rice Dept. Annual research report, 1971*, p.622-624. Bangkok, 1974.
English summary.
2394. WATHANAKUL, L., KERDCHOKCHAI, D., and PLEINSINCHAI, A. Varietal reactions of rice to YOLV. (In Thai) *In* *Thailand. Rice Dept. Annual research report, 1971*, p.609-615, illus. Bangkok, 1974.
English summary.
Yellow orange leaf virus.
2395. YOKOYAMA, S., and others. Studies on the "Waimei" disease of rice plant. I. Symptoms and the occurrence. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:117-119, illus. 1974.
H. Sakai, S. Imabayashi, T. Takasaki, N. Fujiyoshi, and J. Haga, joint authors.

2396. YOKOYAMA, S. Symptom of rice waika disease and its control. (In Japanese) Noyaku Kenkyu 20(4):1-9, illus. May 1974.

Bacterial Diseases

2397. ABU BAKR, M. Effects of in vitro nutritional factors and host-passage on pathogenic variability of Xanthomonas oryzae. Honolulu, 1972. 50 p., illus. Ref.
Thesis (M.S.)--University of Hawaii.
2398. ANDO, T., YAMAMOTO, T., and YAMADA, M. Estimating method for quantitative resistance of rice varieties to bacterial leaf blight. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:35-37, illus. 1973.
2399. ANDO, T., YAMAMOTO, T., and YAMADA, M. The quantitative resistance of rice varieties to bacterial leaf blight. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:32-35, illus. 1973.
2400. CHATTOPADHYAY, S. B., and MUKHERJEE, N. Survival of Xanthomonas oryzae (Uyeda & Ishiyama) Dowson, the incitant of bacterial leaf blight of rice in soil, stubbles, dead and live tissues in field. Rice 23(3):309-314, illus. Sept. 1974.
Italian summary.
2401. CHO, Y. E. A test on the virulence of 12 isolates of bacterial leaf blight (BLD) pathogen collected from 12 different locations in Korea and Philippines. Korean J. Plant Protect. 13(1):32, illus. May 1974.
2402. COTHER, E. J. Bacterial glume blotch of rice. Plant Dis. Rep. 58(12):1128-1129, illus. Dec. 1974.
2403. DEVADATH, S., and PADMANABHAN, S. Y. Approaches to control of bacterial blight and streak diseases of rice in India. Bull. Indian Phytopathol. Soc. 6:5-12, illus. Ref. 1970.
2404. DEVADATH, S., PREMALATHA DATH, A., and PADMANABHAN, S. Y. Wild rice plants as possible source of bacterial blight inoculum of cultivated rice. Curr. Sci. 43(11):350-351, illus. Ref. June 5, 1974.
2405. EAMCHIT, S., VICHITRANANDA, S., and KHAMKLAI, N. Differences of Xanthomonas oryzae isolates in their pathogenicities and bacteriophage reactions. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.581-587, illus. Bangkok, 1974.
English summary.
2406. EAMCHIT, S., SUPHADTANAPHONGS, E., and KHAMKLAI, N. Effects of new bacteriocides for the control of bacterial leaf blight disease, Xanthomonas oryzae. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.577-580, illus. Bangkok, 1974.
English summary.
2407. EAMCHIT, S., and SUPHADTANAPHONGS, E. Effects of new bacteriocides for the control of bacterial leaf streak disease, Xanthomonas translucens F. sp. oryzae Pordesimo. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.595-602, illus. Bangkok, 1974.
English summary.
2408. EAMCHIT, S., and VICHITRANANDA, S. Selection of resistant rice varieties to the bacterial leaf blight disease, Xanthomonas oryzae. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.570-576, illus. Bangkok, 1974.
English summary.
2409. EAMCHIT, S., and VICHITRANANDA, S. Selection of resistant rice varieties to the bacterial leaf streak disease, Xanthomonas translucens F. sp. oryzae. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.588-594, illus. Bangkok, 1974.
English summary.
2410. EAMCHIT, S., VICHITRANANDA, S., and KHAMKLAI, N. Study on the relation of the population of bacteriophage in water in the rice field and occurrence of bacterial leaf blight diseases. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.603-608, illus. Bangkok, 1974.
English summary.
2411. EXCONDE, O. R., OPINA, O. S., and PHANOMSAWARN, K. Yield losses due to bacterial leaf blight of rice. Philipp. Agric. 57(3/4):128-140, illus. Ref. Aug./Sept. 1973.
2412. EZUKA, A., and HORINO, O. Classification of rice varieties and Xanthomonas oryzae strains on the basis of their differential interactions. Bull. Tokai-Kinki Natl. Agric. Exp. Stn. 27:1-19, illus. Ref. Mar. 1974.
Japanese summary.

2413. EZUKA, A. Classification of Xanthomonas oryzae (Uyeda et Ishiyama) Dowson by means of differential rice varieties in Japan. *JARQ (Japan Agric. Res. Q.)* 8(3):146-149, illus. July 1974.
2414. EZUKA, A., WATANABE, Y., and HORINO, O. Difference in resistance expression to Xanthomonas oryzae between seedlings and adults of Wase Aikoku group rice varieties (1). *Bull. Tokai-Kinki Natl. Agric. Exp. Stn.* 27:20-25, illus. Ref. Mar. 1974.
Japanese summary.
2415. EZUKA, A. Resistant varieties of rice against bacterial leaf blight and their utilization. (In Japanese) *Plant Protect. [Japan]* 28(10):393-398, illus. Ref. Oct. 1974.
2416. EZUKA, A., and HORINO, O. Virulence and aggressiveness in Xanthomonas oryzae. *Bull. Tokai-Kinki Natl. Agric. Exp. Stn.* 27:26-34, illus. Ref. Mar. 1974.
Japanese summary.
2417. FERNANDO, P. S. Y. Factors and mechanisms affecting development of 'kresak' symptoms in rice caused by Xanthomonas oryzae. Honolulu, 1971. 52 p., illus. Ref.
Thesis (M.S.)--University of Hawaii.
2418. FUJII, H. Utilization of antagonistic microorganisms for the control of plant diseases: On bacterial plant diseases. (In Japanese) *Plant Protect. [Japan]* 28(5):191-194, illus. Ref. May 1974.
2419. FUKAMI, T. Anti-leaf blight disease substance contained in rice plant cell. (In Japanese) *Kagaku to Seibutsu* 10(3):173-174, illus. Mar. 1972.
2420. GAMO, N., YAMAGUCHI, T., and KIMURA, S. On forecasting of the bacterial leaf blight of rice plants by using natural phage. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:62-65, illus. 1974.
English summary.
2421. GOTO, T., and WATANABE, B. Loss in yield of rice due to bacterial grain rot. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:68-69, illus. 1974.
2422. HO, B. L. Screening techniques for bacterial leaf streak resistance in Malaysia. *MARDI (Malays. Agric. Res. Dev. Inst.) Res. Bull.* 1(2):15-21, illus. Ref. Dec. 1973.
Malaysian summary.
2423. HORINO, O., and EZUKA, A. A simple screening method for the bacterial leaf blight resistance of rice varieties derived from Wase Aikoku no. 3. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 21:29-32, illus. Ref. 1973.
English summary.
2424. HORINO, O. Varietal resistance of rice plants against leaf blight bacteria, Xanthomonas oryzae; some trials on the mechanism of resistance. (In Japanese) *Kagaku to Seibutsu* 12(4):287-290, illus. Apr. 1974.
2425. HSIEH, S. P. Y. Ecology of Xanthomonas oryzae. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 6 p., figs.
2426. HSIEH, S. P. Y., PUDDENHAGEN, I. W., and KAUFFMAN, H. E. An improved method for detecting the presence of Xanthomonas oryzae in rice seed. *Phytopathology* 64(2):273-274, illus. Feb. 1974.
2427. HSIEH, S. P. Y., and BUDDENHAGEN, I. W. Suppressing effects of *Erwinia herbicola* on infection by Xanthomonas oryzae and on symptom development in rice. *Phytopathology* 64(9):1182-1185, illus. Ref. Sept. 1974.
2428. INFECTION source of the bacterial leaf blight of rice in Thailand, by H. Tabel and S. Eamchit. *JARQ (Japan Agric. Res. Q.)* 8(2):123-135, illus. Apr. 1974.
2429. ISAKA, M. Overwintering of Xanthomonas oryzae (Uyeda et Ishiyama) Dowson in some plants. (In Japanese) *Plant Protect. [Japan]* 28(4):143-146, illus. Ref. Apr. 1974.
2430. IYER, R., SRIVASTAVA, D. N., and GUPTA, B. M. Serological grouping of the Indian bacteriophages of Xanthomonas oryzae (Uyeda and Ishiyama) Dowson. *Curr. Sci.* 43(24):779-780, illus. Dec. 20, 1974.
2431. KARGANILLA, A., NATURAL, M. P., and OU, S. H. A comparative study of culture media for Xanthomonas oryzae. *Philipp. Agric.* 57(3/4):141-152, illus. Ref. Aug./Sept. 1973.
2432. KAUFFMAN, H. E. The Isabela isolate of Xanthomonas oryzae in the Philippines. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 1 p., table, figs.
2433. KAUFFMAN, H. E., DELA ROSA, A., and MERCA, S. D. Results of the second international bacterial blight nursery (IBBN-1973). (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 2 p., tables.

2434. KIMURA, S., and YAMAGUCHI, A. A verification of the hypothesis in relation to the mechanism of disease occurrence in broad area and successive forecasting of the bacterial leaf blight of rice plant by precipitation during May to August. (In Japanese) Proc. Assoc. Plant Protect. Kyushu 20:65-68, illus. 1974.
2435. KUO, T. T., CHANG, L. C., and LIN, F. S. Host specificities of five bacteriophages isolated from Xanthomonas oryzae. Bot. Bull. Acad. Sin. 15(1):28-35, illus. Ref. Jan. 1974.
Chinese summary.
2436. LIANGSUTHISAKON, S. Further assessment of rice yield loss due to bacterial leaf blight. College, Laguna, 1974. 49 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
2437. MIZUKAMI, T., FUJII, H., and UEMATSU, T. Recent studies in Japan on bacterial leaf blight of rice. In Raychaudhuri, S. P., and Verma, J. P., eds. Current trends in plant pathology, p.122-128, illus. Ref. Lucknow, Dept. of Botany, University of Lucknow, 1974.
2438. MOHAN, S. K., and RAO, Y. P. Bacterial blight and leaf streak diseases of rice--their epidemiology and control. In Raychaudhuri, S. P., and Verma, J. P., eds. Current trends in plant pathology, p.129-133. Ref. Lucknow, Dept. of Botany, University of Lucknow, 1974.
2439. MORIMURA, K., and INOUE, H. The relation between hull cracked rice and black rot rice grains. II. (In Japanese) Jap. J. Breed. 24(Suppl.1):116-117, illus. 1974.
2440. NAIK, S. L., and others. Susceptibility of rice varieties to the attack of bacterial-streak caused by Xanthomonas translucens Dowson f. sp. oryzicola (Fang et al.) Bradbury. Indian J. Agric. Sci. 43(6):590-594, illus. June 1973.
K. G. Nema, S. N. Kulkarni, and P. S. Shrivastava, joint authors.
2441. NEMA, A. G., and KULKARNI, S. N. A note on effect of antibiotics on action of cellulase produced by Xanthomonas translucens f. sp. oryzicola (Fang et al.) Bradbury. JNKVV (Jawaharlal Nehru Krishi Viswa Vidyalyaya) Res. J. 7(4):299. Oct. 1973.
2442. PURUSHOTHAMAN, D., and PRASAD, N. N. *In vitro* synthesis of protease and cellulase (Cx) by the bacterial blight pathogen of rice, Xanthomonas oryzae (Uyeda et Ishiyama) Dowson. AUARA (Annamalai Univ. Agric. Res. Annu.) 4/5:184-187, illus. 1972/73.
2443. PURUSHOTHAMAN, D. Phenolic changes in rice varieties infected by Xanthomonas oryzae. Acta Phytopathol. Acad. Sci. Hung. 9(1/2):65-69, illus. Ref. 1974.
2444. PURUSHOTHAMAN, D. Phenylalanine ammonia lyase and aromatic amino acids in rice varieties infected with Xanthomonas oryzae. Phytopathol. Z. 80(2):171-175, illus. Ref. June 1974.
German summary.
2445. PURUSHOTHAMAN, D., and PRASAD, N. N. Screening of rice varieties for bacterial leaf blight disease caused by Xanthomonas oryzae (Uyeda et Ishiyama) Dowson. AUARA (Annamalai Univ. Agric. Res. Annu.) 4/5:126-133, illus. 1972/73.
2446. RANGA REDDY, P., and NAYAK, P. A new host for bacterial leaf blight pathogen of rice. Curr. Sci. 43(4):116-117, illus. Feb. 20, 1974.
2447. RAO, Y. P., and SRIVASTAVA, D. N. Application of phages in investigation of epidemiology of bacterial blight disease of rice. Proc. Indian Natl. Sci. Acad. B 37(5):314-321, illus. Ref. Oct. 1971.
2448. REDDY, A. P. K. Epidemiology and variability of Xanthomonas oryzae in India. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 5 p., figs. Ref.
2449. REDDY, A. P. K., and KAUFFMAN, H. E. Population studies of mixed inoculum of Xanthomonas oryzae in susceptible and resistant varieties of rice. Ann. Phytopathol. Soc. Japan 40(2):93-97, illus. Mar. 1974.
Japanese summary.
2450. REDDY, O. R., and OU, S. H. Differentiation of Xanthomonas translucens f. sp. oryzicola (Fang et al.) Bradbury, the leaf-streak pathogen, from Xanthomonas oryzae (Uyeda and Ishiyama) Dowson, the blight pathogen of rice, by enzymatic tests. Int. J. Syst. Bacteriol. 24(4):450-452, illus. Ref. Oct. 1974.
2451. REDDY, O. R. Pathogenic variability in Xanthomonas oryzae (Uyeda et Ishiyama) Dowson. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 5 p., tables, figs. Ref.
2452. SATO, T. Diminution in population of Xanthomonas oryzae phage at nursery due to solar irradiation and water replacement. (In Japanese) Proc. Assoc. Plant Protect. Kyushu 20:58-60, illus. 1974.
2453. SUZUKI, K., WATANABE, K., and YASU, M. Several problems on the prediction of occurrence of bacterial leaf blight using bacteriophage. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:16-17, illus. Aug. 1974.

2454. TABELI, H., and EAMCHIT, S. Strain of Xanthomonas oryzae and its bacteriophage in Thailand. JARQ (Japan Agric. Res. Res. Q.) 8(2):122-123, illus. Apr. 1974.
2455. TAGAMI, Y. Distribution of bacteriophage types for Xanthomonas oryzae, the causal bacteria of leaf blight disease of rice in the Mie Prefecture. (In Japanese) Bull. Mie Agric. Tech. Cent. 1:24-26, illus. Ref. Mar. 1972.
2456. TAKASAKI, T., YOKOYAMA, S., and FUJIYOSHI, N. Forecasting of the bacterial leaf blight of rice plant by using natural phage. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 12:55-60, illus. Ref. Aug. 1974.
2457. TAKASAKI, T., FUJIYOSHI, N., and YOKOYAMA, S. Notes on the bacteriophage method of bacterial leaf blight of rice plant. (In Japanese) Proc. Assoc. Plant Protect. Kyushu 20:60-62, illus. 1974.
2458. TANI, A., BABA, T., and HARUKI, T. Bacteria isolated from black rot of rice grains. (In Japanese) Ann. Phytopathol. Soc. Japan 40(4):309-318, illus. Ref. Sept. 1974.
English summary.
2459. THURSTON, H. D. Threatening plant diseases. Annu. Rev. Phytopathol. 11:27-52, illus. Ref. 1973.
Includes bacterial leaf blight of rice.
2460. TIN WIN, U. Virulence of Xanthomonas oryzae isolates in the Philippines. College, Laguna, 1974. 86 p., illus. Ref. Thesis (M.S.)--University of the Philippines at Los Baños.
2461. WEBER, G. F. Bacterial and fungal diseases of plants in the tropics. Gainesville, University of Florida Press, 1973. 673 p.
Rice, p.451-465, illus. Ref.

Fungus Diseases

2462. AHN, S. W. The effect of near-ultraviolet irradiation on sporulation by Pyricularia oryzae Cavara. Seoul, 1972. 36 p., illus. Ref.
Thesis (M.S.)--Seoul National University.
2463. AHN, S. W., and CHUNG, H. S. Effect of near-ultraviolet irradiation on sporulation by Pyricularia oryzae Cavara on cultural media. Ann. Phytopathol. Soc. Japan 40(4):337-343, illus. Ref. Sept. 1974.
Japanese summary.
2464. AKAI, S., and OGUCHI, T. On the withering of lower leaves and ear rot of rice plants and their causal fungi.
1. Helminthosporium leaf spot of leaves of rice plants collected in Thailand and Malaysia and fungi isolated from their spots. (In Japanese) Rep. Tottori Mycol. Inst. 10:687-692, illus. Aug. 1973.
English summary.
2465. AMIN, K. S., SHARMA, B. D., and DAS, C. R. Occurrence in India of sheath-rot of rice caused by acrocyllndrium. Plant Dis. Rep. 58(4):358-360, illus. Apr. 1974.
2466. AOYAGI, K., HORIGUCHI, M., and UEJIMA, T. Application of the boom type blow head duster for controlling of insect pests and diseases of rice plant. VI. Controlling of the rice sheath blight with the 55, 100 meter boom type blow head duster for granule. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:95-97, illus. 1973.
2467. ARAKI, F. The use of barley for laboratory test of rice blast disease. (In Japanese) Ann. Phytopathol. Soc. Japan 40(5):458-460, illus. Dec. 1974.
English summary.
2468. ASAGA, K. Nomenclature of Pyricularia oryzae races, and resistant genotypes of rice varieties. (In Japanese) Nogyo Gijutsu 29(10):443-448, illus. Ref. Oct. 1974.
2469. ASHRAF, M., MIRZA, J. H., and NASIR, M. A. Effect of different stimuli on the spore germination of Helminthosporium oryzae Breda de Haan. Pak. J. Bot. 5(2):135-138, illus. Ref. 1973.
2470. AULAKH, K. S., MATHUR, S. B., and NEERGAARD, P. Seed health testing of rice and comparison of field incidence with laboratory counts of Drechslera oryzae and Pyricularia oryzae. Seed Sci. Technol. 2(3):393-398, illus. 1974.
French and German summaries.
2471. AULAKH, K. S., MATHUR, S. B., and NEERGAARD, P. Comparison of seed-borne infection of Drechslera oryzae as recorded on blotter and in soil. Seed Sci. Technol. 2(3):385-391, illus. 1974.
French and German summaries.

2472. AWODERU, V. A. Rice diseases in Nigeria. PANS (Pest Artic. News Summ.) 20(4):416-424, illus. Ref. Dec. 1974.
2473. BESSI, G., and DE CAROLIS, C. Funghi correlati al marciume basale del riso. [Fungi correlated with rice basal rot.] Riso 23(3):293-307, illus. Ref. Sept. 1974.
English summary.
2474. BIDAUX, J. M. Major fungal diseases in West-Africa. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 9 p.
2475. BROD, C. G., and TERRES, A. L. S. Controle da brusone por meio de fungicidas. [Control of blast by means of fungicides.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.109-110, illus.
2476. BROD, C. G., LOWE, J. A., and SILVEIRA, B. M. DA. Teste de fontes de resistencia a brusone do arroz irrigado. [Test of sources of resistance to blast of irrigated rice.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.111
2477. BURRELL, M. M., and APREES, T. Carbohydrate metabolism of rice leaves infected by Piricularia oryzae. Physiol. Plant Pathol. 4(4):489-496, illus. Ref. Oct. 1974.
2478. BURRELL, M. M., and APREES, T. Metabolism of phenylalanine and tyrosine by rice leaves infected by Piricularia oryzae. Physiol. Plant Pathol. 4(4):497-503, illus. Ref. Oct. 1974.
2479. CAMPUZANO L., H. Control quimico de Piricularia oryzae en condiciones de los Llanos Orientales. [Chemical control of Piricularia oryzae in conditions of the Llanos Orientales.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.64-74, illus.
2480. CHANG, H. S. Intercross fertility between Helminthosporium oryzae, H. Zizaniae and an unidentified Helminthosporium sp. on Zizania aquatica. Bot. Bull. Acad. Sin. 15(2):103-111, illus. Ref. July 1974.
Chinese summary.
2481. CHATURVEDI, A., and AGRAWAL, S. C. Amyolytic capability of Sclerotium rolfsii Sacc. Sci. Cult. 40(7):322-323, illus. July 1974.
2482. CHEN, C. C., and LIN, A. I. Ecological studies on rice stem rot fungi. (In Chinese) Plant Protect. Bull. 14(4):131-144, illus. Ref. Dec. 1972.
English summary.
2483. CHEN, C. C., and CHEN, L. C. The ecological study on sclerotia of rice stem rot diseases. (In Chinese) Mem. Coll. Agric. Natl. Taiwan Univ. 15(2):64-74, illus. Ref. Dec. 1974.
English summary.
2484. CHEN, C. C. The study on host range of rice stem rot fungi, Helminthosporium sigmoideum Cav. and H. sigmoideum Cav. var. irregulare Cralley et Tullis. (In Chinese) Mem. Coll. Agric. Natl. Taiwan Univ. 14(1):29-45, illus. Ref. June 1973.
English summary.
2485. CHIEN, C. C. Studies on the physiologic races of rice blast fungus, Piricularia oryzae Cav. (In Chinese) J. Taiwan Agric. Res. 23(1):16-37, illus. Ref. Mar. 1974.
English summary.
2486. CHIN, K. M. The leaf scald disease of rice. MARDI (Malays. Agric. Res. Dev. Inst.) Res. Bull. 2(1):13-18, illus. June 1974.
Malaysian summary.
2487. CHIN, K. M. Sheath rot disease of rice. MARDI (Malays. Agric. Res. Dev. Inst.) Res. Bull. 2(1):9-12, illus. June 1974.
Malaysian summary.
2488. CHOOBAMROUND, W., and GIATGONG, P. Reaction of rice hybrids having Norin 12 as a resistant parent to Bakanae disease (Gibberella fujikuroi). (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.561-569, illus. Bangkok, 1974.
English summary.
2489. CHUNG, B. J., LEE, S. H., and LEE, Y. S. Downey mildew of rice plant, Sclerophthora macrospora (Sacc.) Thirum., Shaw & Naras. (In Korean) Korean J. Plant Protect. 13(4):232-234, illus. Ref. Dec. 1974.
English summary.
2490. CHUNG, H. S. New races of Piricularia oryzae in Korea. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 15 p., illus. Ref.
Published in Korean J. Plant Protect. 13(1):19-23, illus. Ref. May 1974.

2491. DRAGANOV, D., and others. Nyakoi ekologichni prednostavki za zabolyavane na oriza ot Alternaria sp. i neinoto otrasenie vurchoo technologichnite kachestva na zurnoto. [Some ecological prerequisites of rice infection with Alternaria sp. and its effect on processing quality of the grain.] Nauch. Tr. Vissh. Selkostop. Inst. "Vasil Kolarov" 21(1):113-122, illus. 1972.
G. Staridolski, I. Chilikov, and V. Vichev, joint authors.
Russian and German summaries.
2492. EGUCHI, J., and others. Control of rice sheath blight by new Polyoxiu formulations and their practical properties. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:77-81, illus. 1973.
R. Taguchi, M. Mogami, R. Sugiyama, M. Tosaya, T. Date, and S. Okuda, joint authors.
2493. ELLIS, M. B., and HOLLIDAY, P. Alternaria padwickii. In Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 35, Sheet No.345, 2 p., illus. Key, Surrey, England, 1972.
2494. ELLIS, M. B., and HOLLIDAY, P. Cochliobolus miyabeanus. In Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 31, Sheet No.302, 2 p., illus. Key, Surrey, England, 1971.
2495. ELLIS, M. B., and HOLLIDAY, P. Leptosphaeria salvintii. In Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 35, Sheet No.344, 2 p., illus. Key, Surrey, England, 1972.
2496. EL-REFAEI, M. I. Physiological and pathological studies on rice blast disease caused by Pyricularia oryzae Cavara. Cairo, 1973. 145, 4 p., illus. Ref.
Thesis (M.S.)--Al-Azhar University.
2497. ENDO, S., SHINOHARA, M., and YAMANE, K. Studies on the causal fungus of summer blight of crimson clover. I. Comparison between the soil-inoculated causal fungus of summer blight of crimson clover and that of sheath blight of rice plant (Corticium sasakii (Shirai) Matsumoto) in pathogenicity to some forage grasses and legumes, and rice plant. (In Japanese) Bull. Coll. Agric. Vet. Med. Nihon Univ. 31:124-133, illus. Ref. Mar. 1974.
English summary.
2498. ENDO, S., and others. Studies on the causal fungus of summer blight of crimson clover. II. Comparison of the causal fungus of summer blight of crimson clover with that of sheath blight of rice plant (Corticium sasakii (Shirai) Matsumoto) and Rhizoctonia solani Khun in some cultural characters and sclerotial morphology. (In Japanese) Bull. Coll. Agric. Vet. Med. Nihon Univ. 31:134-149, illus. Ref. Mar. 1974.
M. Shinohara, M. Maki, K. Suzuki, and Y. Kobayashi, joint authors.
English summary.
2499. ENDO, S., and others. Studies on the causal fungus of summer blight of crimson clover. III. Comparison of the causal fungus of summer blight of crimson clover with that of sheath blight of rice plant (Corticium sasakii (Shirai) Matsumoto) and Rhizoctonia solani Khun in pathogenicity to rice plant and crimson clover, and types of disease spots formed on the inoculated plants. (In Japanese) Bull. Coll. Agric. Vet. Med. Nihon Univ. 31:150-165, illus. Ref. Mar. 1974.
M. Shinohara, M. Kohata, and T. Kanehira, joint authors.
English summary.
2500. FRATTINI, J. DE A., and SOAVE, J. Tentativa de avaliação das perdas causadas pela brusone nas culturas de arroz no estado de São Paulo. [Preliminary evaluation of loss caused by the rice blast disease in the state of São Paulo.] Rev. Agric. 49(2/3):101-108, illus. Nov. 1974.
English summary.
2501. GANGOPADHYAY, S., and CHATTOPADHYAY, S. B. Response of Helminthosporium oryzae to silicon source in vitro. Indian Phytopathol. 27(1):102-104, illus. Mar. 1974.
2502. HASHIBA, T., and MOGI, S. The number and germination ability of sclerotia of Pellicularia sasakii (Shirai) S. Ito in non-cultivating paddy fields. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:6-8, illus. 1973.
English summary.
2503. HASHIBA, T., MOGI, S., and YAGI, S. The relation between the mycelial growth of rice sheath blight fungus isolate and the air temperature of the collecting regions. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:8-14, illus. Ref. 1974.
English summary.
2504. HASHIMOTO, A. Cause of heavy occurrence of rice blast in Fukushima Prefecture in 1974 and measures for future. (In Japanese) Noyaku Kenkyu 21(2):20-25, illus. Nov. 1974.
2505. HASHIOKA, Y., and NAKAI, Y. Fine structure of the rice blast. XI. Outthrust of conidiophore cells of Pyricularia oryzae, etc., through an epidermal outer wall of a host leaf. Res. Bull. Fac. Agric. Gifu Univ. 36:9-18, illus. Dec. 1974.
Japanese summary.
2506. HIRANO, T. Resistance of young and mature rice plants against Pyricularia oryzae race C. (In Japanese) Tohoku Agric. Res. 15:71-74, illus. Apr. 1974.

2507. HOFF, B. J., and others. 1974 disease nurseries. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:143-166, illus. 1974. M. Ahmad, Z. Harahap, T. Masajo, M. C. Rush, W. O. McIlrath, and R. A. Boudreaux, joint authors. Sheath blight, brown spot, and stem rot.
2508. ICHIDA, K., SHIBATA, K., and TAKAHASHI, S. Effect of some chemicals on damping-off of rice in seedling-box. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:14, illus. Aug. 1974.
2509. INAGAKI, K., and MAKINO, M. Karyological characters of the fungi causing rice solerotiosis. *Ann. Phytopathol. Soc. Japan* 40(4):368-371, illus. Sept. 1974.
2510. INOUE, T. Virus parasitic on fungi. (In Japanese) *Plant Protect. [Japan]* 28(1):21-26, illus. Ref. Jan. 1974.
2511. IREN, S. Studies on the brown leaf spot disease induced by Helminthosporium spp. on rice in Turkey and studies on the distribution, taxonomical, and biological aspects of these species. (In Turkish) Ankara, Gunes Matbaacilik T.A.S., 1968. 84 p., illus. Ref. English summary.
2512. ISSA, E., and others. Resistencia varietal do arroz a brusone, a mancha parda e a "Mulata". [Varietal resistance of rice to blast, brown spot and "mulata".] *Biologico* 39(12):321-335, illus. Dec. 1973. R. E. de Mello Amaral, D. M. Souza, and N. V. Banzatto, joint authors. English summary.
2513. ITO, H., and others. Studies on epidemiology and control of bakanae disease of rice plant. (In Japanese) *Bull. Yamagata Prefect. Agric. Exp. Stn.* 8:97-117, illus. Ref. Mar. 1974. S. Hirayama, H. Miura, H. Tokairin, and T. Tanaka, joint authors.
2514. ITO, H., and others. Symposium on the "Bakanas" disease of rice plant. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:106-112. 1974. T. Turuta, M. Isaka, G. Aoki, and Y. Umehara, joint authors.
2515. IWAHASHI, T., and GOTO, S. Factors related with occurrence of damping-off of young seedling of rice during aging and its control. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:69-72, illus. 1974.
2516. IWANO, M., and YAMADA, M. Character of the non-pathogenic isolates of rice blast fungus Pyricularia oryzae. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:6-8, illus. 1974.
2517. IWANO, M., and YAMADA, M. An inquiry into the factors affecting distribution of races of rice blast fungus in fields. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 21:22-28, illus. 1973.
2518. IWATA, K., and YAOITA, T. Studies on the control of Rhizopus in the nursery cases of rice young seedlings. 1. Control of Rhizopus with disinfection of nursery cases. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:47-53, illus. 1974.
2519. IWATA, K., and YAOITA, T. Studies on the disinfection of rice seeds for "Bakanas" and Helminthosporium leaf spot diseases. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 21:82-92, illus. 1973.
2520. JAMIL KHAN, S. A., MATHUR, S. B., and NEERGAARD, P. Survey on new-seedborne organisms of Pakistan. *Seed Sci. Technol.* 2(4):477-479, illus. 1974. French and German summaries. Includes rice.
2521. JAYACHANDRAN-NAIR, K., and SRIDHAR, R. Phenol-tryptophan interaction and IAA formation by Pyricularia oryzae and Helminthosporium oryzae. *Phytopathol. Z.* 80(1):76-78, illus. Ref. May 1974. German summary.
2522. KAN, M., AOKI, M., and ISAKA, M. The relation between elongation of rice seedlings in nursery box and "Bakanas" disease. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 21:18-22, illus. 1973.
2523. KATAGIRI, M., and UESUGI, Y. Evaluation of susceptibility of rice blast fungus to Kasugamycin. (In Japanese) *Ann. Phytopathol. Soc. Japan* 40(2):106-107, illus. Mar. 1974. English summary.
2524. KATHIRVELU, R., and PRASAD, N. N. Screening of rice varieties for brown spot disease caused by Helminthosporium oryzae. *AUARA (Annamalai Univ. Agric. Res. Annu.)* 4/5:191-195, illus. 1972/73.
2525. KATO, H., and KOZAKA, T. Effect of temperature on lesion enlargement and sporulation of Pyricularia oryzae in rice leaves. *Phytopathology* 64(6):828-830, illus. Ref. June 1974.
2526. KATO, H. Epidemiological aspect of sporulation by blast fungus on rice plants. *JARQ (Japan Agric. Res. Q.)* 8(1):19-22, illus. Jan. 1974.

2527. KATO, H., and SASAKI, T. Epidemiological studies of rice blast disease, with special reference to reproductive process in lesions on rice plants and disease forecast. (In Japanese) Bull. Natl. Inst. Agric. Sci. [Japan] Ser. C 28:1-61, illus. Ref. Feb. 1974.
English summary.
2528. KATO, H. Epidemiology of rice blast disease. Rev. Plant Protect. Res. 7:1-20, illus. Ref. 1974.
2529. KATO, M. Epidemiology and control of panicle blight caused by Fusarium nivale of rice. (In Japanese) Plant Protect. [Japan] 28(7):266-270, illus. July 1974.
2530. KATSUBE, T. Influence of incidence of downy mildew on yield of paddy rice. (In Japanese) Annu. Rep. Soc. Plant Protect. North Japan 24:32-35, illus. Dec. 1973.
English summary.
2531. KATSUYA, K. Variation in susceptibility to blast fungus, Piricularia oryzae Cav. in cultivated and wild rice. (In Japanese) Rep. Tottori Mycol. Inst. 10:553-560, illus. Aug. 1973.
English summary.
2532. KAUR, P., and PADMANABHAN, S. Y. Control of Helminthosporium disease of rice with soil amendments. Curr. Sci. 43(3):78-79, illus. Ref. Feb. 5, 1974.
2533. KEIM, R., and WEBSTER, R. K. Effect of soil moisture and temperature on viability of sclerotia of Sclerotium oryzae. Phytopathology 64(12):1499-1502, illus. Dec. 1974.
2534. KEIM, R., and WEBSTER, R. K. Nitrogen fertilization and severity of stem rot of rice. Phytopathology 64(2):178-183, illus. Ref. Feb. 1974.
2535. KIM, C. K., YOSHINO, R., and MOGI, S. The effects of light and darkness on the infection of rice blast fungus, Piricularia oryzae. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:3-6, illus. 1974.
English summary.
2536. KIM, C. K. Methods of forecasting rice blast. (In Korean) Agric. Technol. [Korea] 8(4):5. June 1974.
2537. KOBAYASHI, T. Testing method of varietal resistance against rice blast disease. (In Japanese) Plant Protect. [Japan] 28(10):388-392, illus. Ref. Oct. 1974.
2538. KOBAYASHI, Y., TANAKA, H., and OGASAWARA, N. Purification and properties of F-1₂, a β -1,3 glucanase which is highly lytic toward the cell walls of Piricularia oryzae P₂. Agric. Biol. Chem. 38(5):973-978, illus. Ref. May 1974.
2539. KONO, H. Improvement of rice quality by Hinosan application. (In Japanese) Noyaku Kenkyu 21(1):7-10, illus. Aug. 1974.
2540. KOTANI, S., KURATA, M., and SATTO, M. Studies on Rhizopus sp. causing growth injury of young rice seedlings and its chemical control. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 9:49-55, illus. June 1974.
2541. KOTIREDDY, M., and PRASAD, N. N. Disease development in susceptible and resistant rice varieties following infection by three races of Piricularia oryzae. AUARA (Annamalai Univ. Agric. Res. Annu.) 4/5:88-94, illus. Ref. 1972/73.
2542. KOTIREDDY, M., and PRASAD, N. N. Effect of certain phenolic compounds on the growth of three isolates of P. oryzae. Curr. Sci. 43(19):612-614, illus. Ref. Oct. 5, 1974.
2543. KULIK, M. M. Detection of seedborne microorganisms: other tests. Seed Sci. Technol. 1(1):255-280, illus. Ref. 1973.
French and German summaries.
Piricularia oryzae.
2544. KUSHALAPPA, A. C., HEGDE, R. K., and SAARI, E. E. Rain sampling in the study of rice blast epidemiology. Proc. Indian Natl. Sci. Acad. B 37(6):430-431. Dec. 1971.
2545. KWON, S. H., OH, J. H., and KIM, H. W. Radiation effects of Piricularia oryzae Cav. causing rice blast disease organism. Korean J. Plant Protect. 13(4):245-249, illus. Ref. Dec. 1974.
Korean summary.
2546. KWON, S. H., OH, J. H., and SONG, H. S. Studies on the relationship between chemical contents of rice plants and resistance to rice blast disease. Korean J. Plant Protect. 13(1):33-39, illus. Ref. May 1974.
Korean summary.
2547. KWON, S. H., and others. Variation in pathogenicity of rice blast fungus induced by X-rays. SABRAO (Soc. Adv. Breed. Res. Asia Oceania) J. 6(2):193-199, illus. Sept. 1974.
J. H. Oh, H. S. Song, and J. H. Lee, joint authors.

2548. LEE, K. H. Occurrence of rice sheath blight and its control. (In Korean) Korean J. Plant Protect. 13(3):145-149, illus. Oct. 1974.
2549. LINDBERG, G. D. Chemical control of blast in Louisiana. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:228-230, illus. 1973; 66th:184-186, illus. 1974.
2550. LINDBERG, G. D. Chemicals applied to soil for blast control. Annu. Prog. Rep. La. Rice Exp. Stn. 66th:187-188, illus. 1974.
2551. LIOU, S. D. Association of pectin trans-eliminase in the pathogenesis of sheath blight disease of rice plant. (In Chinese) Taichung, 1973. 45 p., illus. Ref.
Thesis (M.S.)--National Chung Hsing University.
2552. LUKE, P. Action of certain chemotherapeutants on endogenous respiration of Helminthosporium oryzae Breda. de Haan. J. Indian Bot. Soc. 51(2):126-131, illus. Ref. 1972.
2553. MAHENDRA PRABHATH, C. A., and others. Varietal susceptibility of rice to infection by Corticium sasakii and its host range. Agric. Res. J. Kerala 11(2):172-173, illus. Sept. 1973.
M. Ramanatha Menon, L. Rema Devi, and C. K. Ramakrishnan, joint authors.
2554. MAHESWARI AMMA, S., and SAM RAJ, J. Observations on the changes in the atmosphere spore content of Piricularia oryzae Cav. and on the intensity of blast incidence on rice. Agric. Res. J. Kerala 11(2):155-158, illus. Sept. 1973.
2555. MATHUR, S. B., MALLYA, J. I., and NEERGAARD, P. Seed-borne infection of Trichoconis padwickii in rice, distribution and damage to seeds and seedlings. Proc. Int. Seed Test. Assoc. 37(3):803-810. 1972.
French and German summaries.
2556. MATHUR, S. C. Seedling blight of rice can be controlled. Indian Farming 23(10):20, 28, illus. Jan. 1974.
2557. MATSUMOTO, K., and SABURI, S. A single spore isolation technique of Pyricularia oryzae. (In Japanese) Chugoku Agric. Res. 47:1-2, illus. Ref. Dec. 1973.
2558. MATSUMOTO, S. Pathogenic race occurred on a blast resistant variety, Reiho. (In Japanese) Proc. Assoc. Plant Protect. Kyushu 20:72-74, illus. 1974.
English summary.
2559. MELCHING, J. S., STANTON, J. R., and KOOGLE, D. L. Deleterious effects of tobacco smoke on germination and infectivity of spores of Puccinia graminis tritici and on germination of spores of Puccinia striiformis, Pyricularia oryzae, and an Alternaria species. Phytopathology 64(8):1143-1147, illus. Ref. Aug. 1974.
2560. MIURA, H., and ITO, H. Prosperity and decline of C-race of rice blast fungus, Piricularia oryzae in the fields. (In Japanese) Bull. Yamagata Prefect. Agric. Exp. Stn. 8:92-96, illus. Mar. 1974.
2561. MOHANTY, N. N. Control of udbatta disease of rice. Proc. Indian Natl. Sci. Acad. B 37(6):432-439, illus. Dec. 1971.
2562. MONGKON, C., and others. The effectiveness of various fungicides for blast disease control. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 549-554, illus. Bangkok, 1974.
P. Suworakul, K. Phanomsawarn, and P. Giatgong, joint authors.
English summary.
2563. MONGKON, C., and others. Field trials on stability to rice blast of recommended varieties and promising lines. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 536-548, illus. Bangkok, 1974.
P. Suworakul, K. Phanomsawarn, and P. Giatgong, joint authors.
English summary.
2564. MORDUE, J. E. M. Rhizoctonia oryzae-sativae. In Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 41, Sheet No. 409, 2 p., illus. Key, Surrey, England, 1974.
2565. MORITA, T. Pattern of development of rice blast in relation to planting date in Japan. (In Japanese) Noyaku Graph 50:2-5, illus. Apr. 1974.
2566. MUKHERJEE, N., GUPTA, P. K., and ADITYACHAUDHURY, N. Studies on antifungal activity of some pterocarpan and coumestans. Sci. Cult. 40(5):198-201, illus. Ref. May 1974.
2567. MUKHERJEE, P. K., and GHOSH, J. J. Changes in contents of proteins & ninhydrinpositive substances in rice leaves infected with Helminthosporium oryzae Breda de Haan. Indian J. Exp. Biol. 11(1):69-70, illus. Ref. Jan. 1973.
2568. MULDER, J. L., and HOLLIDAY, P. Cercospora oryzae. In Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 42, Sheet No. 420, 2 p., illus. Key, Surrey, England, 1974.

2569. MULDER, J. L., and HOLLIDAY, P. Entyloma oryzae. In Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 30, Sheet No.296, 2 p., illus. Key, Surrey, England, 1971.
2570. MULDER, J. L., and HOLLIDAY, P. Ustilaginoidea virens. In Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 30, Sheet No.299, 2 p., illus. Key, Surrey, England, 1971.
2571. NAITO, H., and KOSHIMIZU, Y. Inhibitory effect of Fusarium leaf spot fungus on the heading of rice plants. (In Japanese) Ann. Phytopathol. Soc. Japan 40(5):461-463, illus. Dec. 1974.
English summary.
2572. NAITO, H., and KOSHIMIZU, Y. Morphology and hyphal growth temperature of brown leaf spot fungus of rice (rice scald fungus). (In Japanese) Ann. Phytopathol. Soc. Japan 40(4):319-328, illus. Ref. Sept. 1974.
English summary.
2573. NANDI, B., and SANTRA, S. Differential phytotoxicity of metabolic by-products of Nigrospora oryzae in different nitrogen sources on some varieties of Oryza sativa. Indian Phytopathol. 27(1):49-52, illus. Ref. Mar. 1974.
2574. NARAIN, A. Control of some fungal diseases by antibiotics and crude plant extracts. Proc. Indian Natl. Sci. Acad. B 37(5):332-340, illus. Oct. 1971.
Includes Helminthosporium oryzae.
2575. NARAYANA RAO, A., and SURYANARAYANAN, S. Studies on the toxins of Pyricularia. 1. Detection of pyriculol in cultures of Pyricularia. Proc. Indian Acad. Sci. Sect. B 50(1):31-40, illus. Ref. July 1974.
2576. NARAYANA RAO, A., and SURYANARAYANAN, S. Studies on the toxins of Pyricularia. 2. Detection of pyriculol in blast diseased leaves of Gramineae. Curr. Sci. 43(11):348-349, illus. June 5, 1974.
2577. NEERGAARD, P. Detection of seedborne pathogens by culture tests. Seed Sci Technol. 1(1):217-254, illus. Ref. 1973.
French and German summaries.
2578. NIOH, T., and MIZUSHIMA, S. Effect of validamycin on the growth and morphology of Pellicularia sasakii. J. Gen. Appl. Microbiol. 20(6):373-383, illus. Ref. Dec. 1974.
2579. OGASAWARA, N. The relation between phytotoxins produced by the blast fungus and germination and growth of Piricularia oryzae. Mem. Fac. Agric. Niigata Univ. 12:72-103, illus. Ref. Mar. 1974.
2580. OHATA, K. Circumstances of the field investigation for panicle blight of rice. (In Japanese) Plant Protect. [Japan] 28(7):262-265, illus. July 1974.
2581. OHATA, K., and KUBO, C. Studies on the mechanism of disease resistance of rice varieties to Cochliobolus miyabeanus. (In Japanese) Bull. Shikoku Agric. Exp. Stn. 28:17-57, illus. Ref. Dec. 1974.
English summary.
2582. OKU, H., OUCHI, S., and YOSHIDA, H. Causal fungi of rice seed blighting and the disinfection by some fungicides. (In Japanese) Sci. Rep. Fac. Agric. Okayama Univ. 44:15-20, illus. Sept. 1974.
English summary.
2583. ONKI, M., and YOKOYAMA, S. On the number of sclerotia of rice stem rot in field and its outbreak of the disease. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 11:69-73, illus. Aug. 1973.
2584. OOKURA, T., ENDO, K., and IWATA, K. Occurrence of rice ear blighting in Niigata Prefecture. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:9-14, illus. Ref. 1973.
2585. OOKURA, T., and others. Occurrence of the rice panicle blight in Niigata Prefecture. The rice panicle blight by stem rot fungus, Helminthosporium sigmoideum irregularare. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:14-16, illus. Ref. 1974.
K. Iwata, K. Sumita, and K. Endo, joint authors.
2586. ORAN, Y. K., PARLAK, Y., and YILMAZDEMIR, F. Y. Studies on the possibilities of chemical protection against rice blast disease (Piricularia oryzae Bri. et Cav.) in Southeastern Anatolia. (In Turkish) Bitki Koruma Bult. 13(3):142-162, illus. Ref. Sept. 1973.
English summary.
2587. OU, S. H., AWODERU, V. A., and EBRON, T. T. Daily periodicity of the conidia release of Pyricularia oryzae over a rice blast nursery. Plant Dis. Rep. 58(6):544-548, illus. Ref. June 1974.
2588. OUCHI, S., OKU, H., and YOSHIDA, H. Effect of spraying fungicides on the outbreak of Helminthosporium leaf blight of rice plant. (In Japanese) Sci. Rep. Fac. Agric. Okayama Univ. 44:21-23, illus. Sept. 1974.
English summary.

2589. OWADA, T., HARIYA, N., and MATSUI, T. Influence of weeding method on occurrence of sheath blight of rice and floating sclerotia in paddy field. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:13, illus. Aug. 1974.
2590. PADMANABHAN, S. Y., CHAKRABARTI, N. K., and ROW, K. V. S. R. K. Forecasting and control of rice diseases. Proc. Indian Natl. Sci. Acad. B 37(6):423-429, illus. Ref. Dec. 1971.
2591. PADMANABHAN, S. Y. Recent development on the fungal diseases of rice in India specially with reference to high yielding varieties. In Raychaudhuri, S. P., and Verma, J. P., eds. Current trends in plant pathology, p.160-165, illus. Lucknow, Dept. of Botany, University of Lucknow, 1974.
2592. PEREGRINE, W. T. H., AHMAD, K. Bin, and YUNTON, B. Bin. Some observations on leaf scald (Rhynchosporium oryzae Hashioka & Yokogi) in Brunei. PANS (Pest Artic. News Summ.) 20(2):177-180, illus. Ref. June 1974.
2593. PRABAKARAN, J., RAGUNATHAN, V., and PRASAD, N. N. Occurrence of sheath-rot disease of rice caused by Acrocyndrium oryzae Sawada. AUARA (Annuaire Univ. Agric. Res. Annu.) 4/5:182-183, illus. 1972/73.
2594. PURKAYASTHA, R. P., and MUKHOPADHYAY, R. Factors affecting colonization of rice leaves by Helminthosporium oryzae. Trans. Brit. Mycol. Soc. 62(2):402-406, illus. Apr. 1974.
2595. RATH, G. C. Effect of seed-borne infection of Drechslera oryzae on the grain weight, germination and emergence of some high yielding varieties of rice. Sci. Cult. 40(4):156-159, illus. Apr. 1974.
2596. RIBALDI, M., LORENZETTI, F., and CECCARELLI, S. Prime osservazioni in Italia sulla maculatura fogliare dell'orzo causata da Rhynchosporium secalis (Oud.) Davis e miglioramento genetico per la resistenza. [First observations in Italy on rice leaf blotch caused by Rhynchosporium secalis (Oud.) Davis and genetic improvement for disease resistance.] Riv. Patol. Veg. Ser. 4, 10(1):59-89, illus. Ref. Jan./Mar. 1974.
English summary.
2597. RIBEIRO, A. S. Avaliação dos prejuizos da brusone. [Evaluation of injuries caused by brusone.] Lav. Arroz. 27 (281):14-16, illus. Sept./Oct. 1974.
2598. RIBEIRO, A. S., and ISHIY, T. Contrôlo da brusone no estadio de plantula pelo tratamento das sementes com fungicidas. [Control of blast during seedling stage by treatment of seeds with fungicides.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.115-116, illus.
2599. RIBEIRO, A. S., and ISHIY, T. Reações de variedades de arroz à brusone. [Reactions of rice varieties to blast.] Lav. Arroz. 27(280):33-43, illus. Ref. July/Aug. 1974.
English summary.
2600. RIBEIRO, A. S. Teste de fontes de resistencia a brusone. [Test of sources of resistance to blast.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.112-115.
2601. RIBEIRO, A. S. Testes de resistencia a brusone do arroz. [Tests of resistance to the rice blast disease.] Lav. Arroz. 27(284):33-38, illus. Nov./Dec. 1974.
English summary.
2602. RODRIGUEZ V., A. E. and RODRIGUEZ S., H. Evaluación de fungicidas para el combate de la quema del arroz. [Evaluation of fungicides for controlling rice blast.] Agric. Tec. Mex. 3(8):290-291, illus. Jan. 1974.
2603. RUSH, M. C., BOUDREAUX, R. A., and HEIMAN, J. L. Chemical control of rice seedling diseases - 1974. Annu. Prog. Rep. La. Rice Exp. Stn. 66th:167-180, illus. 1974.
2604. RUSH, M. C., and others. 1973 rice disease nurseries. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:175-190, illus. 1973.
M. Ahmad, Z. Harahap, T. Masajo, B. J. Hoff, and W. O. McIlrath, joint authors.
Sheath blight, brown spot, and stem rot.
2605. RUSH, M. C. Chemical control of rice seedling diseases - 1973. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:191-223, illus. 1973.
2606. RUSH, M. C., and LINDBERG, G. D. Fungicidal control of rice foliar diseases. Annu. Prog. Rep. La. Rice Exp. Stn. 65th:224-227, illus. 1973; 66th:181-183, illus. 1974.
Brown spot, sheath blight, stem rot, and narrow brown leaf spot.
2607. SAITO, Y., SUZUKI, K., and MIYASAKI, N. Effect of submerged application of granular Oryzamate on rice blast. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:8, illus. Aug. 1974.
2608. SAKAI, Y., and KONO, T. The horizontal resistance to the rice blast disease (Pyricularia oryzae Cavara) and some phenomena affecting the horizontal resistance. (In Japanese) Bull. Hiroshima Prefect. Agric. Exp. Stn. 35:21-26, illus. Ref. Dec. 1974.
English summary.

2609. SEKI, M. Cause of heavy occurrence of rice blast in Saga Prefecture in 1974 and measures for future. (In Japanese) *Noyaku Kenkyu* 21(2):7-13, illus. Nov. 1974.
2610. SENEVIRATNE, S. N. DE S. Recent research on sheath blight in Sri Lanka. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 5 p., tables.
2611. SHIBATA, K., and others. Effect of microgranular-F fungicides on control of rice neck-rot. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:10-11, illus. Aug. 1974.
S. Takahashi, H. Iwaki, E. Wada, Y. Masuyama, and M. Hoshino, joint authors.
2612. SHIDA, T., HOMMA, Y., and MISATO, T. Studies on the control of plant diseases by amino acid derivatives. IV. Effect of N-phenacetyl amino acids, N-naphthyl amino acids, N-alkyl amino acids and amino acid esters on rice blast. (In Japanese) *J. Agric. Chem Soc. Japan* 48(9):515-519, illus. 1974.
English summary.
2613. SHIMADA, H., and others. Controlling effect of microgranular-F fungicides with application of boom type blow head duster on panicle blast. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:12, illus. Aug. 1974.
M. Terasawa, Y. Saito, H. Fujisawa, and S. Miki, joint authors.
2614. SHIMIZU, S., and SHIMADA, H. Spore trapping of *Pyricularia oryzae* proofing horizontal set slide glass. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:7, illus. Aug. 1974.
2615. SINGH, T. K. S. Role of gibberellic acid, fusaric acid and pectic enzymes in the foot-rot disease of rice. *Riso* 23 (2):191-207, illus. Ref. June 1974.
Italian summary.
2616. SINHA, A. K., and BANDYOPADHYAY, A. K. Increase of resistance in rice seedlings to *Helminthosporium oryzae* infection following treatment with some amino acids. *Phytopathol. Z.* 80(3):209-214, illus. July 1974.
German summary.
2617. SITTICHAJ, T. Studies on *Rhynchosporium oryzae* Hashioka et Yokogi, the fungus causing leaf scald of rice. (In Thai) *In Thailand. Rice Dept. Annual research report, 1971*, p. 516-526, illus. Bangkok, 1974.
English summary.
2618. SIVANESAN, A., and HOLLIDAY, P. *Xhuskia oryzae*. *In* Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 32, Sheet No. 311, 2 p., illus. Ref. Key, Surrey, England, 1971.
2619. SPIRE, D., FERAULT, A. C., and BERTRANDY, J. Particules de type viral associées a *Pyricularia oryzae* Cav. agent de la pyriculariose du riz. [Virus particles associated with *Pyricularia oryzae* Cav., agent of rice blast.] *C. R. Hebd. Seances Acad. Sci. D* 277(18):1961-1964, illus. Ref. 1973.
2620. SREEDHARAN, A., and MENON, M. R. Effect of repeated culture and change in the cultural environment on the virulence of *Helminthosporium oryzae*. *Indian Phytopathol.* 26(4):681-684, illus. Dec. 1973.
2621. SREEDHARAN, A., and MENON, M. R. Studies on the isolates of *Helminthosporium oryzae*. *Indian Phytopathol.* 27(1):131-133, illus. Mar. 1974.
2622. SRIDHAR, R., and OU, S. H. Biochemical changes associated with the development of resistant and susceptible types of rice blast lesions. *Phytopathol. Z.* 79(3):222-230, illus. Ref. Mar. 1974.
German summary.
2623. SUBRAMANIAN, C. L., and RAMASWAMY, R. Efficacy of some chemicals on the control of rice blast. *Madras Agric. J.* 60(7):576-577, illus. July 1973.
2624. SUEMATSU, A., and others. Various fungi collected from ears of rice plant in north of Oita Pref. and their control. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:74-76, illus. 1974.
K. Kawagoe, Y. Kitauchi, and T. Tomiku, joint authors.
2625. SUZUKI, H., KURAMOTO, T., and YAMAGUCHI, T. *Alternaria padwickii* and panicle blight of rice plant. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:17-18, illus. 1974.
2626. SUZUKI, H. Behavior of rice blast fungus spore and application to outbreak forecast of rice blast disease. *JARQ (Japan Agric. Res. Q.)* 8(2):78-83, illus. Apr. 1974.
2627. SUZUKI, H. The conidial dispersion of stem rot fungus and brown spot fungus. (In Japanese) *Bull. Hokuriku Natl. Agric. Exp. Stn.* 18:43-59, illus. Ref. Mar. 1974.
English summary.
2628. SUZUKI, H. Development of rice blast after the transplantation of diseased seedlings. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:1-3, illus. 1974.

2629. SUZUKI, H. Epidemiology and control of panicle blight caused by Helminthosporium sigmoideum of rice. (In Japanese) Plant Protect. [Japan] 28(7):275-278, illus. July 1974.
2630. SUZUKI, H. Germination ability of the spore on the lesion and the dispersion spore of rice leaf blast. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:4-5, illus. 1973.
2631. SUZUKI, H. Studies on the behavior of the rice blast fungus spore and the application for forecasting method of the rice blast disease. (In Japanese) Ann. Phytopathol. Soc. Japan 40(3):165-167, illus. June 1974.
2632. TAKAHASHI, S. Cause of heavy occurrence of rice blast in Tochigi Prefecture in 1974 and measures for future. (In Japanese) Noyaku Kenkyu 21(2):14-19, illus. Nov. 1974.
2633. TAKAHI, Y., NAKANISHI, T., and NAKAGAMI, K. Studies on hymexazol (3-hydroxy-5-methyl-isoxazole, Taohigaren)-- on the effectiveness and some characteristics in rice sheath blight control. (In Japanese) Proc. Kansai Plant Protect. Soc. 16:52-58, illus. Feb. 1974.
English summary.
2634. TAKANO, S., and others. Inhibitory action upon the plant pathogen by amino acids, n-benzoyl amino acids and n-phenylacetyl amino acids. (Note) (In Japanese) J. Agric. Chem. Soc. Japan 48(5):325-328, illus. 1974.
T. Hasegawa, H. Muko, and T. Suzuki, joint authors.
English summary.
Tested on sheath blight of rice plant.
2635. TAKEDA, S., SHIMAZU, H., and SOUSA, S. Simultaneous control of rice sheath blight and green rice leafhopper. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:24, illus. Aug. 1974.
2636. TAKEICHI, Y., and YAMAGISHI, A. Inhibition of non-parasitic damping-off ("Murenae") of young rice seedlings in nursery boxes. I. Effect of 3-hydroxy-5-methylisoxazole on damping-off and the growth of rice seedlings. (In Japanese) Proc. Crop Sci. Soc. Japan 43(1):24-30, illus. Mar. 1974.
English summary.
2637. TAMURA, M., and ISHISAKI, H. On some darkening symptoms of rice and their occurrence in Ishikawa Prefecture. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:18-22, illus. Ref. 1974.
2638. TANAKA, Y., and YAMASAKI, Y. Studies on variation of the rice blast fungus, Piricularia oryzae Cav. II. Variation of chromosome number. (In Japanese) Jap. J. Breed. 24(Suppl.2):118-119, illus. 1974.
2639. TEIXEIRA, R. S., and SILVA TEIXEIRA, A. J. DA. Influence of low moisture tensions on the percentage infection by Piricularia oryzae Cav. and on the rate of emergence of rice seeds. Seed Sci. Technol. 1(4):833-844, illus. Ref. 1973.
French and German summaries.
2640. TERASAWA, M., and others. Effect of a fungicide Rabicides-sol with aerial application on the control of panicle blast. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:9, illus. Aug. 1974.
S. Seki, K. Kudo, and K. Kijima, joint authors.
2641. THU HA NGUYEN, MATHUR, S. B., and NEERGAARD, P. Seed-borne species of Myrothecium and their pathogenic potential. Trans. Brit. Mycol. Soc. 61(2):347-354, illus. Ref. Oct. 1973.
Includes M. verrucaria in rice.
2642. TOLEDO, A. C. D. DE, and CARDOSO, C. O. N. Relação entre patogenicidade de Fusarium moniliforme Sh. ao arroz e capacidade de produção de giberelina "in vitro". [Relationship between the pathogenicity of Fusarium moniliforme Sh. to rice and its ability to produce gibberellin "in vitro".] Arq. Inst. Biol. Sao Paulo 41(4):191-199, illus. Ref. Oct./Dec. 1974.
English summary.
2643. TSAI, W. H. Assessment of yield losses due to rice sheath blight at different inoculation stages. J. Taiwan Agric. Res. 23(3):188-194, illus. Ref. Sept. 1974.
Chinese summary.
2644. TSAI, W. H. Variation in cultural characteristics and pathogenicity of single basidiospore isolates of Thanatephorus cucumeris (Frank) Donk causing sheath blight of rice. College, Laguna, 1973. 79 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
2645. UEDA, S., and BEKKU, I. Effect of combined application with new seed disinfectant and MEP on Helminthosporium leaf spot and rice white-tip nematode. (In Japanese) Agric. Hortic. 49(7):925-926, illus. July 1974.
2646. UESUGI, Y. Fungicide resistance of rice blast fungus. (In Japanese) Kagaku to Seibutsu 12(3):186-188, illus. Mar. 1974.
2647. UESUGI, Y., KATAGIRI, M., and NODA, O. Joint action of chemicals with phosphorothiolate fungicides on rice blast fungus. Ann. Phytopathol. Soc. Japan 40(3):252-260, illus. June 1974.
Japanese summary.

2648. UESUGI, Y., KATAGIRI, M., and NODA, O. Negatively correlated cross-resistance and synergism between phosphoramidates and phosphorothiolates in their fungicidal actions on rice blast fungi. *Agric. Biol. Chem.* 38(5):907-912, illus. Ref. May 1974.
2649. UMEHARA, Y. On factors for the severe occurrence of "Bakanae" disease, in large-scale facilities to raise rice seedlings. 2. Relation between specific gravity of infected seeds and their elongation. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 21:14-18, illus. 1973.
2650. UMEHARA, Y., and others. On the control of the "Bakanae" disease of rice plant by the seed disinfectants. 1. Relation between preventive effect of Benomyl, Thiram-Benomyl and temperature of the solution. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 21:92-95, illus. 1973.
T. Wakamatsu, M. Komatsu, and I. Yuno, joint authors.
2651. UMEHARA, Y. On the control of the "Bakanae" disease of rice plant by the seed disinfectant. 2. Influence of the disinfectant time on the control effect and fungicidal action in soaking method. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:58-62, illus. 1974.
2652. UMEHARA, Y., KOMATSU, M., and ARAI, K. On the control of the "Bakanae" disease of rice plant by the seed disinfectants. 3. On the successive application of the Benomyl and Thiram-Benomyl solutions for soaking seeds, in soaking method. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:62-64, illus. 1974.
2653. UMEHARA, Y., and ARAI, K. On the control of "Bakanae" disease of rice plant by the seed disinfectants. 4. Relation between the preventive effect of Benomyl, Thiram-Benomyl and the temperature of solution. (2) (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:64-67, illus. 1974.
2654. UMEHARA, Y., and others. On the control of the "Bakanae" disease of rice plant by the seed disinfectants. 5. On the effects of the seed coating by Benomyl and Thiram-Benomyl. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:67-71, illus. 1974.
M. Komatsu, Y. Inaba, and H. Yamazaki, joint authors.
2655. UMETSU, N., and others. Toxins in blast-diseased rice plants. *Agric. Biol. Chem.* 38(10):1867-1874, illus. Ref. Oct. 1974.
J. Kaji, K. Aoyama, and K. Tamarai, joint authors.
2656. VEERRAJU, V., and PRASAD, N. N. Effect of nitrogen fertilization on inhibitor level and blast disease resistance in rice. *AUARA (Annamalai Univ. Agric. Res. Annu.)* 4⁵:82-87, illus. Ref. 1972/73.
2657. VENKATA RAO, A., and KANNAIYAN, S. An easy method of screening rice varieties for resistance to sheath blight disease. *Indian J. Mycol. Plant Pathol.* 3(1):106-107, illus. Jan. 1973.
2658. VENKATA RAO, G., and APPA RAO, A. Cross inoculation studies on *Pyricularia* species from different hosts. *Andhra Agric. J.* 19(5/6):134-138, illus. Ref. Sept.-Oct./Nov.-Dec. 1972.
2659. VIDHYASEKARAN, P., and others. Increase in protein content of rice due to Helminthosporiose infection. *Indian Phytopathol.* 26(4):736-738, illus. Dec. 1973.
N. Ramadoss, K. Ranganathan, and V. Krishnasamy, joint authors.
2660. VIDHYASEKARAN, P., and RAMADOSS, N. Quantitative and qualitative losses in paddy due to Helminthosporiose epidemic. *Indian Phytopathol.* 26(3):479-484, illus. Ref. Sept. 1973.
2661. VIDHYASEKARAN, P., RAMADOSS, N., and SRINIVASALU, N. Quantitative and qualitative losses in paddy due to Helminthosporiose epidemic. *Proc. Indian Natl. Sci. Acad. B* 37(6):487-493, illus. Ref. Dec. 1971.
2662. WALKER, J. *Gaeumannomyces graminis* var. *graminis*. In Commonwealth Mycological Institute. Descriptions of pathogenic fungi and bacteria, Set 39, Sheet No. 381, 2 p., illus. Key, Surrey, England, 1973.
2663. WATANABE, Y. The possibility of soil transmission in bakanae disease and the contamination of seeds with causal fungus during the hastening process of seed germination. (In Japanese) *Bull. Tokai-Kinki Natl. Agric. Exp. Stn.* 26:35-41, illus. Ref. Mar. 1974.
English summary.
2664. WATERHOUSE, G. M. *Phytophthora japonica*, a new name for *Phythiomorpha oryzae*. *Trans. Brit. Mycol. Soc.* 63(2):419-420. Oct. 1974.
2665. WHITNEY, G., and FREDERIKSEN, R. A. History and current significance of kernel smut. In *Rice research in Texas*, 1971, p. 28-32, illus. Ref. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)
Neovossia horrida, rice.
2666. WINTER, W. E., MATHUR, S. B., and NEERGAARD, P. Seedborne organisms of Argentina: a survey. *Plant Dis. Rep.* 58(6):507-511, illus. Ref. June 1974.

2667. WONGSASITORN, D., and SUPAVITA, P. Host range of Ascochyta oryzae. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.513-515. Bangkok, 1974.
English summary.
2668. WONGSASITORN, D., and SUPAVITA, P. Study on varietal reaction of rice to collar rot (Ascochyta oryzae). (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.510-512. Bangkok, 1974.
English summary.
2669. WORAWISITHUMRONG, A. WONGSASITORN, D., and SUPA VITA, P. Study on the patterns of false smut (Ustilaginoidea virens) dissemination in the paddy field. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.507-509. Bangkok, 1974.
English summary.
2670. WORAWISITHUMRONG, A., SUPAVITA, P., and WONGSASITORN, D. Study on varietal reaction of rice to false smut (Ustilaginoidea virens). (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.532-535, illus. Bangkok, 1974.
English summary.
2671. WORAWISITHUMRONG, A., WONGSASITORN, D., and SUPAVITA, P. Study on varietal reaction of rice to stem rot (Leptosphaeria salvinii Catt.). (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.504-506. Bangkok, 1974.
English summary.
2672. WU, H. K., and TSAI, M. M. Studies on variation in pathogenicity of Pyricularia oryzae Cav. I. The mechanism of the genetical variation. (In Chinese) Mem. Coll. Agric. Natl. Taiwan Univ. 15(1):7-21, illus. Ref. June 1974.
2673. YAMADA, K. Epidemiology and control of panicle blight caused by Cercospora oryzae of rice. (In Japanese) Plant Protect. [Japan] 28(7):271-274, illus. Ref. July 1974.
2674. YAMADA, M. Factors changing the prevalence of pathogenic race of Pyricularia oryzae. (In Japanese) Kagaku to Seibutsu 12(5):352-357, illus. May 1974.
2675. YAMAGUCHI, T. Development of rice blast control techniques in Japan. Japan Pestic. Inf. 18:5-9, illus. Jan. 1974.
2676. YAMAGUCHI, T. 1973 evaluation of candidate pesticides. (B-1) Fungicides: Rice. Japan Pestic. Inf. 20:14-16, illus. July 1974.
2677. YAMAGUCHI, T. Special studies on new methods for applying fungicides in rice culture. (In Japanese) Plant Protect. [Japan] 27(2):64. Feb. 1973.
2678. YAMANAKA, S. Studies on competitions among the isolates of rice blast fungus, Pyricularia oryzae Cavara. I. Competitions on leaf lesion. Tohoku J. Agric. Res.25(3/4):125-129, illus. Dec. 1974.
2679. YAOITA, T., and IWATA, K. Studies on the control of Rhizopus in the nursery cases of rice young seedlings. 2. Control of Rhizopus with soil disinfection. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:53-58, illus. 1974.
2680. YIN, T. P., and VARGHESE, G. Physiologic races of Pyricularia oryzae Cav. in West Malaysia. Malay. Agric. 9:1-6. 1970/71.
2681. YOKOYAMA, S., and others. On the chemicals for the control of rice stem-rot. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 11:74-79, illus. Aug. 1973.
K. Yoshida, D. Yoshimura, and M. Oniki, joint authors.
2682. YOSHIDA, K., and others. Ecological observations on rice damping-off and its protective fungicides in the seedling box. (In Japanese) Res. Rep. Fukuoka Agric. Exp. Stn. 12:49-54, illus. Aug. 1974.
D. Yoshimura, H. Ikeda, and S. Yokoyama, joint authors.
2683. YOSHINO, M. Some studies on the starch accumulation rate in leaf sheaths as a forecasting method for the rice blast outbreak. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:1-4, illus. 1973.
2684. YOSHINO, R., and YAMAGUCHI, T. Influences of sunshine and shade conditions on the occurrence of rice blast caused by Pyricularia oryzae Cavara. (In Japanese) Bull. Hokuriku Natl. Agric. Exp. Stn. 16:61-119, illus. Ref. Mar. 1974.
English summary.

Nematode Diseases

2685. ANWAR, S. A., KHAN, I. U., and CHAUDHRY, G. Q. Association of nematodes with rice in the Punjab. *J. Agric. Res.* 11(1):111-112, illus. 1973.
2686. CHHABRA, H. K., SAJJAN, S. S., and SINGH, J. Occurrence and control of the stunt nematode, Tylenchorhynchus brassicae Siddiqi, 1961 infesting rice nursery in Punjab. *Curr. Sci.* 43(19):632, illus. Oct. 5, 1974.
2687. FORTUNER, R. Evaluation des dégats causés par Hirschmanniella oryzae (Van Breda de Haan, 1902) Luc & Goodey, 1963, nématode endoparasite des racines du riz irrigué. [Evaluation of the damage caused by Hirschmanniella oryzae (Van Breda de Haan, 1902) Luc & Goodey, an endoparasitic nematode of irrigated rice roots.] *Agron. Trop. [France]* 29(6/7):708-714, illus. Ref. June/July 1974.
English and Spanish summaries.
2688. GOTO, M. Ecological studies on the rice-root nematode, Hirschmanniella imamuri Sher, with special reference to its relationship of interaction between arrangement of the roots at the node in rice plant and host-parasite system in nematode. (In Japanese) *Annu. Rep. Soc. Plant Protect. North Japan* 24:1-5, illus. Dec. 1973.
2689. GUIRAN, G. DE. Le problème Meloidogyne et autres nématoses sur cultures vivrières tabac, cafeier, riz. [The Meloidogyne problem and other nematode diseases in food crops, tobacco, coffee, rice.] In *Les nematodes des cultures* (Journées français d'études et d'information, Paris, 1971), p.447-474, illus. Ref. Paris, Association de Coordination Technique Agricole, 1971.
2690. HOLLIS, J. P. Studies on ring nematode control in rice in 1974. *Annu. Prog. Rep. La. Rice Exp. Stn.* 66th:130-142, illus. 1974.
2691. HOLLIS, J. P. A summary of ring nematode studies. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:153-174, illus. 1973.
2692. HUANG, C. S., and HUANG, S. P. Dehydration and the survival of rice white tip nematode, Aphelenchoides besseyi. *Nematologica* 20(1):9-18, illus. Ref. Mar. 1974.
German summary.
2693. INO, M. Some epidemiological informations on violent outbreak of rice white-tip nematode and its infection at transplanting period. (In Japanese) *Bull. Ibaraki Agric. Exp. Stn.* 14:47-58, illus. Ref. Mar. 1973.
2694. ISHKAWA, M. On the nematode in the field alternatively used between dry and flooded conditions. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:145, illus. Aug. 1974.
2695. ISHIY, T. Contrôle do nematoide Aphelenchoides besseyi, causador da "Ponta Branca" em arroz. [Control of nematode Aphelenchoides besseyi, cause of white tip in rice.] In *An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas*, 1974, p.132-133, illus.
2696. MADAMBA, C. P., SUKIT, V., and ADAMO, J. A. Incidence of plant parasitic nematodes associated with rice grown in the Philippines. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 13 p., illus.
2697. MATHUR, V. K., and PRASAD, S. K. Occurrence and distribution of Hirschmanniella oryzae in the Indian Union with description of H. mangaloriensis sp. n. *Indian J. Nematol.* 1(2):220-226, illus. Sept. 1971.
2698. MERNY, G., FORTUNER, R., and LUC M. Les nématodes phytoparasites de Gambie. [Plant parasitic nematodes in Gambia.] *Agron. Trop. [France]* 29(6/7):702-707, illus. June/July 1974.
English and Spanish summaries.
Includes rice nematodes.
2699. NANDAKUMAR, C., and RAO, Y. S. On the migratory behaviour of some subterranean parasitic nematodes to aerial parts of rice plants. *Nematologica* 20(1):106. Mar. 1974.
2700. NEMATODES and their control in Japan. *Bromides Agric.* 39:1-12. 1974.
Rice nematodes, p. 7-10.
2701. OHSHIMA, Y. Heterodera elachista n. sp., an upland rice cyst nematode from Japan. *Jap. J. Nematol.* 4:51-56, illus. Oct. 1974.
Japanese summary.
2702. OKADA, T. Effects of hatching stimulants obtained from the cyst contents of Heterodera species (Tylenchida: Heteroderidae) on the hatching of other species. *Appl. Entomol. Zool.* 9(1):49-51, illus. Mar. 1974.
Includes Heterodera oryzae.

2703. RAMANA, K. V., MATHUR, S. C., and RAO, Y. S. Role of Hoplolaimus indicus on the severity of seedling blight of rice. *Curr. Sci.* 43(21):687-688, illus. Nov. 5, 1974.
2704. REVERSAT, G. Contribution a l'etude de la biologie d'un nematode phytoparasite: Heterodera oryzae. [Contribution to the study of the biology of the phytoparasitic nematode: Heterodera oryzae.] Lyon, 1971. 52 p., illus., figs. Ref. Thesis (D. Eng.)--Universite Claude-Bernarde de Lyon.
2705. SESHAGIRI RAO, Y., and ISRAEL, P. Influence of inoculum density on the final population of root-knot nematode (Meloidogyne graminicola) in rice. *Indian J. Nematol.* 2(1):72-76, illus. Mar. 1972.
2706. SUKIT, V. Studies of plant parasitic nematodes associated with rice with emphasis on the rice-root nematode, Hirschmanniella mucronata (DAS, 1960) LUC and GOODEY 1963. College, Laguna, 1973. 69 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
2707. SWARUP, G., and SESHADRI, A. R. Nematology in India--problems and progress. In Raychaudhuri, S. P., and Verma, J. P., eds. Current trends in plant pathology, p.303-311. Ref. Lucknow, Dept. of Botany, University of Lucknow, 1974. Includes rice nematodes.
2708. TOKAIRIN, H., and MIURA, H. Studies on the nematode genus Hirschmanniella. (In Japanese) *Bull. Yamagata Prefect. Agric. Stn.* 8:118-125, illus. Mar. 1974.

INSECT PESTS

2709. ABRAHAM, C. C., MATHEW, K. P., and DAS, N. M. New record of Coccinella arcuata Fabricius (Coleoptera: Coccinellidae) as a predator of Nilaparvata lugens Stal in Kerala. *Agric. Res. J. Kerala* 11(1):75. Mar. 1973.
2710. ABRAHAM, C. C., MATHEW, K. P., and DAS, N. M. Records of Hymenopterous parasites of the rice leaf folder Cnaphalocrosis medinalis Guen. in Kerala. *Agric. Res. J. Kerala* 11(1):81. Mar. 1973.
2711. ADACHI, T., and YAMASHITA, M. Occurrence of the speckled rice by the some bugs in Hyogo Prefecture. (In Japanese) *Bull. Hyogo Prefect. Agric. Exp. Stn.* 22:1-4, illus. Ref. Mar. 1974. English summary.
2712. AKINSOLA, E. A. Resistance to the yellow borer, Tryporyza incertulas (Walker), in rice varieties. College, Laguna, 1973. 73 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
2713. ALAM, M. Z. Rice gall midge Pachytiplosis oryzae (Wood-Mason) in Bangladesh. *Plant Protect. News.* 3(9):33-38, illus. Apr. 1974.
2714. ALAM, M. Z. On the outbreak of rice ear-cutting caterpillar, Mythimna unipuncta (Haworth) in Bangladesh. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 8 p., illus.
2715. ALAM, M. Z. Studies on the biology, ecology, epidemiology and control of rice ear-cutting caterpillar, Mythimna unipuncta (Haworth) (Noctuidae: Lepidoptera) in Bangladesh. Dacca, 1973. 225 p., illus. Ref. Thesis (Ph.D.)--University of Dacca.
2716. ALAM, S. Insect pests of deepwater rice in Bangladesh and their control. (Paper presented at the International Seminar on Deep Water Rice, BRRI, Bangladesh, 1974) 5 p., tables, figs.
2717. ALAM, S. Pests of deep water rice in Bangladesh. In Bangladesh Rice Research Institute. Deep water rice in Bangladesh, p.140-150. Dacca, Aug. 1974.
2718. ALAM, S. Recent ecological studies in rice insects: leafhoppers and planthoppers. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 3 p., figs.
2719. ALAM, S. Summary of rice entomology in Bangladesh. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 4 p., appendices.
2720. ALVAREZ R., A. Fluctuación de las poblaciones de Sogatodes orizicolas Muir (Homoptera: Fulgoridas) en arroz. [Fluctuations of the population of Sogatodes oryzicolas Muir (Homoptera: Fulgoridas) in rice.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.99-108, illus.
2721. BALASUBRAMANIAM, G., SARAVANABHAVANANDAM, M., and SUBRAMANIAM, T. R. Control of the rice leaf roller Cnaphalocrosis medinalis Guenee. *Madras Agric. J.* 69(7):425-427, illus. July 1973.

2722. BALOCH, U. K., and KHAN, M. R. Incidence of rice borers in north west frontier province (Pakistan). Pak. J. Sci. 25 (1/3):7-10, illus. Ref. Jan./June 1973.
2723. BERNARDO, E. N. Highlights of studies in rice entomology in the Philippines during the last three years. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 3 p.
2724. BOHLEN, E. Crop pests in Tanzania and their control. Berlin, Verlag Paul Parey, 1973. 142 p., illus. Ref. Rice pests, p.97-100.
2725. BOWLING, C. C. Rice field insect studies. Rice J. 77(7):66. July 1974. In Texas.
2726. BRENIERE, J. Les problèmes des lépidoptères foreurs des graminées en Afrique de l'ouest. [The problems of grass borers in West Africa.] In Inst. Rech. Agron. Trop. Cult. Vivr. L'IRAT et le riz pluvial, Fasc. 1, p.45-54. Ref. Paris, Dec. 1974. English summary.
2727. BURANAPAWANG, S., and WONGSIRI, T. The role of cultural practices in control of rice gall midge. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 6 p.
2728. CATLING, H. D. How do we (as rice entomologists) communicate our research results among scientists and to farmers? (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 4 p.
2729. CHATTERJEE, P. B., and CHAKRAVARTY, A. K. Effectiveness of phoxim on ear-cutting caterpillar, Mythimna separata (Walker) (Lepidoptera: Noctuidae). Pesticides 8(11):47-48, illus. Ref. Nov. 1974.
2730. CHATTERJEE, S. M., and PRAKASA RAO, P. S. Future strategy for the control of major rice pests in India. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 3 p.
2731. CHAWANAYOTIN, W., and DISTHAPORN, S. Studies on feeding behaviors of Nephotettix impicticeps Ishi on rice leaves. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.353-367. Bangkok, 1974. English summary.
2732. CHELLIAH, S., and SUBRAMANIAN, A. Influence of nitrogen fertilization on the infestation by the gall midge, Pachydidiplosis oryzae (Wood-Mason) Maini in certain rice varieties. Indian J. Entomol. 34(3):255-256, illus. Sept. 1972.
2733. CHELLIAH, S., and SUBRAMANIAN, A. A note on the chemical control of the brown plant hopper, Nilaparvata lugens Stal. of rice. AUARA (Annamalai Univ. Agric. Res. Annu.) 4/5 :213-216, illus. 1972/73.
2734. CHENG, C. C. Studies on resistance in rice varieties to new biotypes of the brown planthoppers, Nilaparvata lugens. Rice Entomol. Newsl. 1:17. Dec. 1974.
2735. CHENG, C. H. Brief summary of the studies on rice insect pests control in Taiwan since 1971. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 18 p., illus. Ref.
2736. CHIPETA, F. M. Pests of rice in Malawi. (Paper presented at the 5th Eastern African Cereals Research, Malawi, 1974) 9 p., appendix. Ref.
2737. CHOI, S. Y. Recent researches on the rice insect pests in Korea. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 33 p., illus. Ref.
2738. CHOI, S. Y. Resistance of a new variety, Tong-il, to the small brown planthopper, Laodelphax striatellus. Rice Entomol. Newsl. 1:17-22, illus. Dec. 1974.
2739. CHOI, S. Y., and SONG, Y. H. Resistance of "Tong-il" variety to the smaller brown planthopper, Laodelphax striatellus Fallen. (In Korean) Korean J. Plant Protect. 13(2):77-82, illus. Ref. Aug. 1974. English summary.
2740. CHOI, S. Y., and others. Studies on the varietal resistance of rice to the smaller brown planthopper, Laodelphax striatellus Fallen. IV. (In Korean) Korean J. Plant Protect. 13(1):11-16, illus. Ref. May 1974. Y. H. Song, J. S. Park, and K. Y. Choi, joint authors. English summary.
2741. CHOKE, H. C., VOHRA, F. C., and MOHAN RAO, P. K. Field observations on infestation of stem borers in rice varieties Mahsuri and Ria in Malaya. Malay. Agric. 9:77-80, illus. 1970/71.
2742. COOPERATIVE RESEARCH GROUP OF BIOLOGICAL CONTROL OF RICE PESTS, KWANGTUNG PROVINCE. The control of rice leaf roller, Cnaphalocrosis medinalis Guenée by Trichogrammatid egg parasites. (In Chinese) Acta Entomol. Sin. 17(3):269-280, illus. Aug. 1974. English summary.

2743. CUSTODIO, H. A., and others. Insect control in rice. *In* Conf. on Plant Protection in Tropical and Sub-tropical Areas, Manila, 1974, p.193-214, illus. West Germany, Federal Agency for Economic Cooperation, 1974.
2744. DAS, N. M., ABRAHAM, C. C., and MATHEW, K. P. New record of Pheidole sp. (Hymenoptera: Formicidae) as a predator of the rice leaf folder Cnaphalocrosis medinalis Guen. *Curr. Sci.* 43(23):767-768. Dec. 5, 1974.
2745. DAVEY, R. B., and others. Various fish species as biological control agents for the dark rice field mosquito in Arkansas rice fields. *Environ. Entomol.* 3(5):823-826, illus. Oct. 1974.
M. V. Meisch, D. L. Gray, J. M. Martin, K. E. Sneed, and F. J. Williams, joint authors.
2746. DHAMDHERE, S. V. Role of granular insecticides in insect control. *Agric. Agro-Ind. J.* 7(1):5-8, illus. Jan. 1974.
Includes control of rice insects.
2747. DJATNKA, K., IMAN, M., and VREDEN, G. VAN. Insecticidal research in the laboratory. *In* Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.95-111, illus. Jakarta, 1974.
Rice stem borers.
2748. DYCK, V. A. Field control of the brown planthopper, Nilaparvata lugens, in the tropics. *Rice Entomol. Newsl.* 1:22-24, Dec. 1974.
2749. DYCK, V. A. Insect pest management in rice: principles and practices. *Pestic. Annu.* 1974:69-71. Ref.
2750. DYCK, V. A. Pest damage to plants and economic thresholds. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 7 p., tables, figs. Ref.
2751. DYCK, V. A., and PATHAK, M. D. Preliminary summary methods used in sampling insects and rice damaged by insects. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 10 p. Ref.
2752. DYCK, V. A. Recent advances in the integrated control of insect pests of rice. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 12 p., tables, figs. Ref.
2753. EMURA, K., and KOJIMA, A. Influence of humidical condition on the development of egg and larval stage of the rice leaf beetle, Oulema oryzae Kuwayama. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 21:38-42, illus. 1973.
2754. EMURA, K., and KOJIMA, A. On some environmental factors for development of rice green caterpillar Naranga aeneascens Moore. 1. Influence of humidity on the occurrence. (In Japanese) *J. Niigata Agric. Exp. Stn.* 23:27-36, illus. Mar. 1974.
English summary.
2755. ESA, A. Biological studies of the yellow rice borer, Tryporyza incertulas (Walker), on four rice varieties of varying levels of resistance. College, Laguna, 1974. 46 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
2756. FAN T. F., and others. Pesticide residue research: residues of the organophosphorus insecticide "Monitor" in rice plants. (In Chinese) *Acta Entomol. Sin.* 17(4):409-412, illus. Nov. 1974.
C. C. Chi, C. K. Liu, and K. M. Chu, joint authors.
English summary.
2757. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the Ad-Hoc Panel on the Rice Gall Midge in Asia and the Far East. Bangkok, 1973. 21 p.
2758. FUJIMURA, T., and ABE, Y. Distribution of resistant green rice leafhopper, Nephotettix cincticeps Uhler to organophosphorus insecticides in Shimane Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:105-108, illus. Dec. 1973.
2759. FUJIMURA, T., and ABE, Y. Incidence of the green rice leafhopper, Nephotettix cincticeps Uhler resistant to organophosphorus insecticides and its countermeasures in Shimane Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:152-154, illus. Dec. 1973.
2760. FUJIWARA, A. Detection methods of insecticide resistant in insect pests of rice plant. (In Japanese) *Chugoku Agric. Res.* 47:80-81, illus. Dec. 1973.
2761. FUSE, H., TAKEDA, N., and SATO, M. Damage on rice plant by the rice stem borers. 2. Effects of damage by the second generation on the quality and growth of the rice plant. (In Japanese) *Bull. Yamagata Prefect. Agric. Exp. Stn.* 8:40-55, illus. Ref. Mar. 1974.
2762. GHAURI, M. S. K. Two new species of Exitianus Ball (Homoptera, Cicadelloidea, Euscelidae) related to E. turneri Ross, one infesting rice in Ghana. *Bull. Entomol. Res.* 63(3):531-534, illus. Mar. 1974.
2763. GIFFORD, J. R., NILAKHE, S. S., and TRAHAN, G. B. Rice field insect research. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:130-149, illus. 1973.

2764. GIFFORD, J. R., and others. Rice field insect research. Annu. Prog. Rep. La. Rice Exp. Stn. 66th:114-129, illus. 1974.
L. N. Latson, S. S. Nilakhe, and G. B. Trahan, joint authors.
2765. GOMEZ, K. A., and BERNARDO, R. C. Estimation of stem borer damage in rice fields. J. Econ. Entomol. 67(4):506-513, illus. Aug. 1974.
2766. GOMEZ, K. A. Experimental techniques in entomology. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 12 p., tables, figs.
2767. GONZALES, J. C. Resistance to the rice leaf folder, Cnaphalocrosis medinalis Guenée, in rice varieties. College, Laguna, 1974. 104 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
2768. GROVER, P. Paddy gall fly is not Pachytiplosis. Cecidol. Indica 8(1/2):89-90. 1973.
2769. GUENNELON, G., and SORIA, F. Mise au point au laboratoire d'un élevage permanent de la pyrale du riz, Chilo suppressalis Walker (Lepidoptera Pyralidae) sur milieu artificiel. [Laboratory rearing of the rice stem borer, Chilo suppressalis Walker (Lepidoptera Pyralidae) on an artificial medium] Ann. Zool. Ecol. Anim. 5(4):547-558, illus. Ref. 1973.
English summary.
2770. HALTEREN, P. VAN, SAMA, S., and KOESNANG. The application of insecticides to the root-zone of rice plants in 1973 and 1974. Bull. Lembaga Penelit. Pert. Maros 4, 14 p., illus. Dec. 1974.
Indonesian summary.
2771. HALTEREN, P. VAN. Insect pests of irrigated rice at A. R. S., Kpong. Ghana Farmer 14(2):48, illus. Dec. 1970.
2772. HATAI, N. Rice insect pests in tropical regions. (In Japanese) Kaigai Nogyo Semin. 12:71-97, illus. July 1973.
2773. HECKMAN, C. W. The seasonal succession of species in a rice paddy in Vientiane, Laos. Int. Rev. Gesamten Hydrobiol. 59(4):489-507, illus. Ref. 1974.
Insects.
2774. HEONG, K. L., LIM, G. S., and SUPAAD, M. A. Recent progress of rice entomology in Malaysia. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 6 p., tables.
2775. HIDAKA, T. Recent studies on the rice gall midge, Orseolia oryzae (Wood-Mason), (Cecidomyiidae, Diptera). Rev. Plant Protect. Res. 7:99-143, illus. Ref. 1974.
2776. HIDAKA, T., VUNGSILABUTR, P., and KADKAO, S. Studies on ecology and control of the rice gall midge in Thailand. Tokyo, Tropical Agriculture Research Center, Dec. 1974. 113 p., illus. Ref. (Tech. Bull. No. 6)
2777. HIDAKA, T., and others. Study on environmental factors affecting seasonal fluctuation of population density of the rice gall midge, Pachytiplosis oryzae (Wood-Mason) Mani. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 399-403, illus. Bangkok, 1974.
C. Tiravatana, P. Vungsilabutr, and N. Chandraprapa, joint authors.
2778. HIDAKA, T., and VUNGSILABUTR, P. Study on larval development of rice gall midge on the susceptible and resistant rice varieties. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 404-412, illus. Bangkok, 1974.
2779. HIRAMATSU, T., TSUBOI, A., and KOBAYASHI, M. Development of resistance to BHC in the rice stem borer, Chilo suppressalis Walker in Okayama Prefecture. (In Japanese) Chugoku Agric. Res. 47:82-85, illus. Dec. 1973.
2780. HIRAMATSU, T., TSUBOI, A., and KOBAYASHI, M. Geographical distribution of the resistant smaller brown planthopper, Laodelphax striatellus (Fallen) to organophosphorus insecticides in Okayama Prefecture. (In Japanese) Chugoku Agric. Res. 47:131-132, illus. Dec. 1973.
2781. HIRAMATSU, T., TSUBOI, A., and KOBAYASHI, M. Susceptibility to insecticides in the smaller brown planthopper, Laodelphax striatellus (Fallen) in Okayama Prefecture. (In Japanese) Chugoku Agric. Res. 47:133-135, illus. Dec. 1973.
2782. HIRAO, J. Catches of migrating planthoppers on the East China Sea in late June of 1973. (In Japanese) Proc. Assoc. Plant Protect. Kyushu 20:15-17, illus. 1974.
English summary.
Rice pests.
2783. HONGSAPRUG, W. A taxonomic revision of Nephotettix spp. of Thailand. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 445-459, illus. Bangkok, 1974.
English summary.

2784. HSIEH, C. Y. Population ecology of the rice green leafhopper, Nephotettix virescens (Distant). College, Laguna, 1972. 87 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
2785. HUMMELEN, P. J. Relations between two rice borers in Surinam, Rupela albinella (Cr.) and Diatraea saccharalis (F.), and their hymenopterous larval parasites. CELOS Bull. 20:88 p., illus. Ref. 1974.
Also issued as Mededelingen Landbouwhogeschool, Wageningen, 74-1 (1974).
2786. HYUN, J. S. Study on the development of the overwintered larvae of rice stem borer, Chilo suppressalis (Walker). Seoul Natl. Univ. Fac. Pap. E 2:55-66, illus. Mar. 30, 1973.
2787. ICHIKAWA, T., and KIRITANI, K. Influence of parental age upon the offspring in the green rice leafhopper, Nephotettix cincticeps Uhler (Hemiptera: Deltocephalidae), with special reference to environmental conditions. Kontyu 41(1):1-9, illus. Ref. Mar. 1973.
2788. ICHIKAWA, T., and ISHII, S. Mating signal of the brown planthopper, Nilaparvata lugens Stal (Homoptera: Delphacidae): vibration of the substrate. Appl. Entomol. Zool. 9(3):196-198, illus. Sept. 1974.
2789. IKEYAMA, M., and MAEKAWA, S. Development of spanone for the control of rice stem borers. Plant Protect. News 3(9):32-35, illus. Apr. 1974.
2790. IMAMURA, K., and YAMAZAKI, S. Studies on the parasite, Apanteles chilonis Munakata on the rice stem borer, Chilo suppressalis Walker. I. Effects of spraying of pesticides on the population. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:72-76, illus. Ref. 1973.
2791. IMAMURA, K., YAMAZAKI, S., and MACHIMURA, N. Studies on the parasite, Apanteles chilonis Munakata, on the rice stem borer, Chilo suppressalis Walker. II. Generations in a year and the parasitism. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:43-47, illus. Ref. 1974.
2792. INOUE, H. Ecological characters of stink bugs causing speckled rice. (In Japanese) Agric. Hort. 49(6):781-786, illus. June 1974.
2793. INOUE, H., and HENGSAWAD, V. Effects of some granular and liquid insecticides for control of Nephotettix spp., Reclia dorsalis Motschulsky, and other planthoppers, Sogatella furcifera Horvath and Nilaparvata lugens Stal. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 435-439, illus. Bangkok, 1974.
2794. INOUE, H., and HENGSAWAD, V. Investigation of the behaviour and activity of the rice green leafhoppers Nephotettix spp. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 423-427, illus. Bangkok, 1974.
2795. INOUE, H., and OKUYAMA, S. Occurrence of blackkerneled rice by mirids and its countermeasure. (In Japanese) Noyaku Kenkyu 20(1):24-28, illus. Aug. 1973.
2796. INOUE, H., and PHONUANGPHOL, C. Study on life development, fecundity and longevity of Nephotettix spp. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 428-434, illus. Bangkok, 1974.
English summary.
2797. INOUE, H., and HENGSAWAD, V. Study on seasonal prevalence of the rice green leafhopper, Nephotettix spp. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 413-422, illus. Bangkok, 1974.
2798. INSTITUTE OF AGRICULTURAL SCIENCE, KOREA. Literature review of Korean rice pests. Suweon, Dec. 1973. 46 p., illus. Ref.
2799. INSTITUTO COLOMBIANO AGROPECUARIO. PROGRAMA DE ENTOMOLOGIA. Guía para el control de plagas. [Guide for the control of pests.] 2d ed. Bogota, 1972. 129 p. (Manual de Asistencia Técnica No. 1)
Rice, p. 44-50.
2800. INTEGRATED control of rice insect pests by parasitic wasps. (In Chinese) Acta Entomol. Sin. 17(2):129-134, illus. May 1974.
2801. ISHIGURO, T., and KATAYAMA, S. The fundamental research to the application of systemic insecticides. V. Effects of rainfall on the toxicity of vamidothio and malathion. (In Japanese) Jap. J. Appl. Entomol. Zool. 18(1):32-35, illus. Mar. 1974.
2802. ISHII, M. Studies on the acquisition and transmission of rice stripe virus by the smaller brown planthopper, Laodelphax striatellus Fallen. (In Japanese) Chugoku Agric. Res. 47:8-9, illus. Dec. 1973.
2803. ISHII, T. Labor-saving and economical control of injurious smaller rice leaf miner to young rice seedlings. (In Japanese) Kinki Chugoku Chiki ni okeru Shin-gijutsu 7:19-28, illus. 1974.
2804. ISHIY, T. Competição de insecticidas e estudo de aplicação no combate a bicheira-do-arroz. [Competition of insecticides and study of application to combat rice beetle.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p. 134.

2805. ISRAEL, P. Current status of research and control of rice gall midge in India. *Plant Protect. News* 3(9):39, 42-45, illus. Ref. Apr. 1974.
2806. ITO, H. Effect of PHC on rice leaf beetle. (In Japanese) *Noyaku Kenkyu* 20(4):19-23, illus. Mar. 1974.
2807. ITO, S. On the species of rice bugs in central and south area, Nagano Prefecture. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:88, illus. Aug. 1974.
2808. ITO, T., and others. Application of microgranule insecticides for the control of rice leaf beetle, *Oulema oryzae* Kuwayama, by use of boom type power duster (pipe duster). (In Japanese) *Annu. Rep. Soc. Plant Protect. North Japan* 24:43-45, illus. Dec. 1973.
N. Sugahara, K. Toyama, S. Ouchi, H. Ito, K. Funabasama, and G. Hino, joint authors.
2809. IWATA, T., and SUZUKI, T. Insecticides for rice, vegetables and ornamental plants tested in 1973. (In Japanese) *Plant Protect. [Japan]* 28(2):50-54. Feb. 1974.
2810. IWATA, T. 1973 evaluation of candidate pesticides. (A-1) Insecticides: Rice. *Japan Pestic. Inf.* 20:5-8, illus. July 1974.
2811. IWATA, T., and YUSHIMA, T. 1972 test results on insecticides. (In Japanese) *Plant Protect. [Japan]* 27(2):48-55, illus. Feb. 1973.
2812. IZIMA, T., and others. Distribution of resistant green rice leafhopper, *Nephotettix cincticeps* Uhler to organophosphorus insecticides in Tottori Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:103-104, illus. Dec. 1973.
T. Shimoda, Y. Okuyama, and T. Chiyonishio, joint authors.
2813. JOHRAKU, T., and KATO, S. Effect of the snows to the survival of green rice leafhopper, *Nephotettix cincticeps* Uhler. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:30-31, illus. 1974.
2814. JOHRAKU, T., KATO, S., and WAKAMATSU, T. Relation between the conditions of migration or the weather of propagation season and the abundance of the white back planthopper, *Sogatella furcifera* (Horváth). (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:34-38, illus. 1974.
2815. JUNG, H. F., and IWAYA, K. The major insect pests of tropical and subtropical rice, and their control. *Pflanzenschutz-Nachr. Bayer* 25(1):85-112, illus. 1972.
2816. KALODE, M. B., and others. Feeding reaction of army-worm (*Cirphis compta* Moore) larvae fed on some cultivated and wild plants. *Indian J. Agric. Sci.* 41(6):568-572, illus. June 1971.
A. Varma, C. P. Yadava, and P. Israel, joint authors.
2817. KALODE, M. B. Recent changes in relative pests status of rice insects as influenced by cultural, ecological and genetic factors. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 16 p., tables, figs. Ref.
2818. KANAI, M., and others. Controlling effect of granular Suncide on rice leaf beetle. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:94, illus. Aug. 1974.
K. Takamizawa, T. Miyashita, T. Obata, and S. Ito, joint authors.
2819. KATO, S., WAKAMATSU, T., and SEKIGUCHI, W. The bionomics and control of the slender rice bug, *Cletus trigonus* Thunberg. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 21:53-57, illus. Ref. 1973.
2820. KATO, S., SEKIGUCHI, W., and IMAI, F. On the chemical control of rice plant weevil, *Echinocnemus squameus* Billberg. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:80-82, illus. 1974.
2821. KATO, S., WAKAMATSU, T., and SEKIGUCHI, W. On the occurrence of speckled rice by some bugs. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:38-43, illus. 1974.
2822. KAWASAWA, T. Heteropterous bugs on rice plants and grasses in Awazi Island. (In Japanese) *Gensei* 27:11-14, illus. Nov. 1974.
English summary.
2823. KAWASAWA, T., SAITO, M., and OHIRA, S. Method of paddy rice culture in Shikoku district and occurrence of rice stink bugs. (In Japanese) *Noyaku Kenkyu* 20(1):8-15, illus. Aug. 1973.
2824. KAWASAWA, T., SAITO, M., and OHIRA, S. Stink bugs found in weedy land and grassland and their effect on rice plants. (In Japanese) *Noyaku Kenkyu* 20(4):58-65, illus. May 1974.
2825. KAWASE, E. The genus *Nephotettix* in Sabah, East Malaysia (Hemiptera: Cicadellidae). (In Japanese) *Jap. J. Appl. Entomol. Zool.* 18(1):28-29, illus. Mar. 1974.

2826. KAZANO, H. Substitute insecticides after the restrictions on the organochlorine insecticides. *Japan Pestic. Inf.* 18:22-26, illus. Jan. 1974.
2827. KHAN, M. R., and BALOCH, U. K. Field screening of insecticides against rice borers. *Pak. J. Sci. Res.* 25(1/2):173-178, illus. Ref. Jan./Mar. 1973.
2828. KHUSAKUL, V., RUAYAREE, S. and KADKAO, S. Study on integration of insecticides and natural enemies of rice stem borers to assure the most effective control method. (In Thai) *In Thailand. Rice Dept. Annual research report*, 1971, p.460-470, illus. Bangkok, 1974.
2829. KHUSAKUL, V., SARINGKAPHIBUL, C., and KADKAO, S. Study on the relationship of various species of leafhoppers, *Nephotettix* spp., population in natural condition and in experimental plots. (In Thai) *In Thailand. Rice Dept. Annual research report*, 1971, p.471-484, illus. Bangkok, 1974.
2830. KIJIMA, T., and others. Controlling effect of some insecticides on the green rice leafhopper in low temperature. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:85, illus. Aug. 1974.
K. Aida, T. Hongo, and K. Oda, joint authors.
2831. KIMURA, Y., NAKAZAWA, K., and HOSODA, A. Change of malathion-resistant level in the smaller brown planthopper, *Laodelphax striatellus* Fallen. (In Japanese) *Chugoku Agric. Res.* 47:136-140, illus. Ref. Dec. 1973.
2832. KIMURA, Y., NAKAZAWA, K., and HOSODA, A. Control countermeasure of the insecticide resistant insect pests in Hiroshima Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:156-160, illus. Dec. 1973.
2833. KIMURA, Y., and NAKAZAWA, K. Cross resistance in malathion resistant smaller brown planthopper, *Laodelphax striatellus* Fallen. (In Japanese) *Chugoku Agric. Res.* 47:141-143, illus. Dec. 1973.
2834. KIMURA, Y. Detection method for resistance to BHC in the smaller brown planthopper, *Laodelphax striatellus* Fallen. (In Japanese) *Chugoku Agric. Res.* 47:119-122, illus. Ref. Dec. 1973.
2835. KIMURA, Y., and NAKAZAWA, K. Local variations of susceptibility to organophosphorus insecticides in the green rice leafhopper, *Nephotettix cincticeps* Uhler, in Hiroshima Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:100-102, illus. Dec. 1973.
2836. KIMURA, Y. Potentiality of malathion resistant strain of the smaller brown planthopper, *Laodelphax striatellus* Fallen. (In Japanese) *Chugoku Agric. Res.* 47:147, illus. Dec. 1973.
2837. KIMURA, Y., and NAKAZAWA, K. Relationship between the level of resistance to malathion and the esterase activity of the smaller brown planthopper, *Laodelphax striatellus* Fallen. (In Japanese) *Chugoku Agric. Res.* 47:141-146, illus. Dec. 1973.
2838. KIMURA, Y., NAKAZAWA, K., and HOSODA, A. Resistance to BHC in the brown planthopper, *Nilaparvata lugens* Stal. (In Japanese) *Chugoku Agric. Res.* 47:150-151, illus. Dec. 1973.
2839. KIMURA, Y., and HOSODA, A. Resistance to BHC in the rice stem borer, *Chilo suppressalis* Walker in Hiroshima Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:86-88, illus. Dec. 1973.
2840. KIMURA, Y. Resistance to BHC in the smaller brown planthopper, *Laodelphax striatellus* Fallen in Hiroshima Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:123-124, illus. Dec. 1973.
2841. KIMURA, Y. Resistance to malathion in the smaller brown planthopper, *Laodelphax striatellus* Fallen in Hiroshima Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:125-128, illus. Dec. 1973.
2842. KISHINO, K. Ecological studies on the local characteristics of the seasonal development in the rice stem borer, *Chilo suppressalis* Walker. (In Japanese) *Bull. Tohoku Natl. Agric. Exp. Stn.* 47:13-114, illus. Ref. Mar. 1974.
English summary.
2843. KISHINO, K. Local differences of seasonal life cycle in rice stem borer, *Chilo suppressalis* Walker. *JARQ (Japan Agric. Res. Q.)* 8(2):72-77, illus. Apr. 1974.
2844. KNABKE, J. J. Diapause in the rice water weevil, *Lissorhoptrus oryzophilus* Kuschel, (Coleoptera: Curculionidae) in California. Davis, Calif., 1973. 134 p., illus. Ref.
Thesis (Ph. D.)--University of California at Davis.
Abstract in *Diss. Abstr. Int.* B 34(10):5002-B-5003-B. Apr. 1974.
2845. KOBAYASHI, M., TSUBOI, A., and HIRAMATSU, T. Control countermeasure of resistant insect pests of rice plant in Okayama Prefecture. (In Japanese) *Chugoku Agric. Res.* 47:155-157, illus. Dec. 1973.
2846. KOBAYASHI, S., and others. Effect of microgranular-F by aerial application for the control of rice bugs. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:89-90, illus. Aug. 1974.
T. Shibamoto, Y. Kureha, and T. Nakamura, joint authors.

2847. KOBAYASHI, T., and others. Studies on the arthropod associations in paddy fields, with particular reference to insecticidal effect on them. II. Seasonal fluctuation of species diversity and abundance in arthropod associations in paddy fields by net-sweeping in Tokushima Prefecture. (In Japanese) Kontyu 42(1):87-106, illus. Mar. 1974.
Y. Noguchi, T. Hiwada, K. Kanayama, and N. Maruoka, joint authors.
English summary.
2848. KODAMA, T. Distribution of resistant green rice leafhopper, Nephotettix cincticeps Uhler to organophosphorus insecticide in Yamaguchi Prefecture. (In Japanese) Chugoku Agric. Res. 47:107-108, illus. Dec. 1973.
2849. KODAMA, T. Effect of the carbamate insecticide on the green rice leafhopper, Nephotettix cincticeps Uhler. (In Japanese) Chugoku Agric. Res. 47:118, illus. Dec. 1973.
2850. KOJIMA, A., and EMURA, K. Relation between speckled rice injured by some bugs and rice varieties. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:58-61, illus. 1973.
2851. KOJIMA, A., EMURA, K., and ONOZUKA, K. Studies on damage of rice leaf beetle, Oulema oryzae Kuwayama. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:42-46, illus. 1973.
2852. KOJIMA, A., and others. Susceptibility to malathion of the green rice leafhopper, Nephotettix cincticeps Uhler, in Niigata Prefecture. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:82-85, illus. 1974.
K. Emura, K. Nakatomi, M. Horiguchi, and M. Nirel, joint authors.
2853. KOSHIHARA, T. Resistant varieties of rice against plant- and leafhoppers and their utilization. (In Japanese) Plant Protect. [Japan] 28(10):404-408, illus. Ref. Oct. 1974.
2854. KOVITVADHI, K., and others. Study on alternate host plants of rice gall midge Pachydiplosis oryzae (Wood Mason). (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.387-394, illus. Bangkok, 1974.
P. Leaumsang, T. Hidaka, and T. Bhudsamai, joint authors.
2855. KOVITVADHI, K., and CHANDRAPRAPA, N. Study on effects of granular insecticide on resistant varieties to rice gall midge, Pachydiplosis oryzae (Wood-Mason) Mani. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.383-386, illus. Bangkok, 1974.
2856. KOVITVADHI, K., and others. Study on effects of some granular and liquid insecticides for control of rice gall midge. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.376-382, illus. Bangkok, 1974.
S. Buranapawang, P. Leaumsang, P. Vungsilabutr, N. Chandraprapa, C. Chandratut, and S. Chantarasa-ard, joint authors.
English summary.
2857. KOYAMA, K. Rearing of plant- and leafhoppers by artificial diet and its problems. (In Japanese) Plant Protect. [Japan] 28(6):236-240, illus. Ref. June 1974.
2858. KOYAMA, S., EMURA, K., and KOJIMA, A. Studies on the residue of cartap hydrochloride in soil and absorption by rice plant applied at the early stage of rice in the paddy field, and its effect on the rice leaf beetle and the rice stem borer. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:72-76, illus. 1974.
2859. KULSHRESHTHA, J. P., ANJANEYULU, A., and PADMANABHAN, S. Y. The disastrous brown plant-hopper attack in Kerala. Indian Farming 24(9):5-7, illus. Dec. 1974.
2860. KUREHA, S., and others. Life history and control of mole cricket, Gryllotalpa africana Polisot de Beauvois. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:192-197, illus. Aug. 1974.
S. Kobayashi, S. Asari, and T. Ishihara, joint authors.
2861. KWANGTUNG COLLEGE OF AGRICULTURE AND FORESTRY. DEPT. OF PLANT PROTECTION. THE TEACHING AND RESEARCH GROUP OF ENTOMOLOGY AND PESTICIDES. A preliminary study on the application of the sterility technique for the eradication of the paddy borer, Tryporyza incertulas. (In Chinese) Acta Entomol. Sin. 17(2):135-147, illus. May 1974.
English summary.
2862. LAL, O. P., and AGGARWAL, V. D. Note on the incidence of the grey blister Epicauta hirtipes Waterh. (Coleoptera: Meloidae) on paddy in Himachal Pradesh. Indian J. Agric. Res. 8(2):132. Apr./June 1974.
2863. LAMB, K. P. Economic entomology in the tropics. New York, Academic Press, 1974. 195 p., illus.
Major pests of rice; p.171-175.
2864. LAOSINCHAI, B., and HONGSAPRUG, W. Study on biology and population dynamics of the brown planthopper, Nilaparvata lugens (Stal). (In Thai) In Thailand. Rice Dept. Annual Research report, 1971, p.440-444, illus. Bangkok, 1974.
English summary.

2865. LEE, J. O., PARK, J. S., and KIM, H. S. Studies on varietal resistance of rice to striped rice borer, Chilo suppressalis Walker. Korean J. Plant Protect. 13(2):83-88, illus. Ref. Aug. 1974.
Korean summary.
2866. LEEUWANGH, J., PANUDJU, P., and SOEKARNA, D. The profitability of insecticide use for rice insect control in Indonesia. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.112-125, illus. Ref. Jakarta, 1974.
2867. LEEUWANGH, J., and others. Varietal screening for resistance to insect pests in foodcrops in Indonesia. XII. Future prospects in Indonesia for varietal resistance to insects in rice. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.172-174. Jakarta, 1974.
G. van Vreden, J. Soejitno, and M. Soehardjan, joint authors.
2868. LEWVANICH, A. A correct name of rice armyworm in Thailand. Thai J. Agric. Sci. 7(3):161-167, illus. July 1974.
Mythimna separata (Walker).
2869. LIM, G. S. Control of rice insects using ULV concentrate and high spreading oil insecticides in Malaysia. Malays. Agric. J. 49(2):122-130, illus. July 1973.
2870. LIM, G. S. Potential for the biological control of rice insect pests. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IIRI, 1974) 34 p., figs., tables. Ref.
2871. LIMPAPHAYOM, C., KIRITHAVIP, T., and LEAUMSANG, P. Study on losses caused by rice gall midge Pachytiplosis oryzae. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.395-398, illus. Bangkok, 1974.
2872. LIN, K. S. Notes on some natural enemies of Nephotettix cincticeps (Uhler) and Nilaparvata lugens (Stal) in Taiwan. (In Chinese) J. Taiwan Agric. Res. 23(2):91-115, illus. Ref. June 1974.
English summary.
2873. MACQUILLAN, M. J. Influence of crop husbandry on rice planthoppers (Hemiptera: Delphacidae) in the Solomon Islands. Agro-Ecosystems 1(4):339-358, illus. Ref. Dec. 1974.
Nilaparvata lugens and Sogatella furcifera.
2874. MAEDA, H., and others. Studies on the causes and the control of the spotted rice. I. On the causing factors of the spotted rice occurred in the mountainous region of western part of Hiroshima Prefecture. (In Japanese) Bull. Hiroshima Prefect. Agric. Exp. Stn. 33:15-22, illus. Ref. Mar. 1974.
T. Takihiro, M. Nakayabu, and H. Kimura, joint authors.
English summary.
2875. MAMMEN, K. V., and DAS, N. M. Egg-laying preference of the paddy leaf hopper to different varieties of paddy. Entomol. Newsl. 4(4):25. Apr. 1974.
Nilaparvata lugens.
2876. MANO, Y. Noteworthy insect pests which occurred in 1973. (In Japanese) Hokino 41(4):12-20, illus. Apr. 1974.
2877. MARTINS, J. F. S., LOWE, J. A., and BERTELS, A. Aspectos sobre a seleção de cultivares tolerantes a bicheira-do-arroz. [Aspects on the selection of cultivars resistant to rice beetle.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.127-128, illus.
2878. MARTINS, J. F. S., BERTELS, A., and LOWE, J. A. Competição de inseticidas e estudo de metodos de aplicação no controle a bicheira-do-arroz. [Competition of insecticides and the study of the methods of application to control the rice beetle.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.122-126, illus.
Oryzophagus oryzae.
2879. MARTINS, J. F. S., BERTELS, A., and LOWE, J. A. Efeitos da aplicação de inseticidas em diferentes épocas de semeadura do arroz. [Effects of application of insecticides during the different sowing periods on rice.] In An. IV Reuniao Geral da Cultura do Arroz, IPEAS-IRGA, Pelotas, 1974, p.118-121, illus.
2880. MATHEW, G., CHAKRABORTY, D. P., and DHUA, S. P. Insecticides on pest incidence and the yield of paddies under different nitrogen levels. Pesticides 8(11):40-42, illus. Nov. 1974.
2881. MIHARA, K., and MIYAMOTO, J. Metabolism of Salithion (2-methoxy-4H-1,3,2-benzodioxaphosphorin-2-sulfide) in rats and plants. Agric. Biol. Chem. 38(10):1913-1924, illus. Ref. Oct. 1974.
Organophosphorus insecticide tested on rice plants.
2882. MITSUHASHI, J., and KOYAMA, K. Folic acid as a dietary factor affecting the wing morph of the planthopper, Laodelphax striatellus (Hemiptera, Delphacidae). Entomol. Exp. Appl. 17(1):77-82, illus. 1974.
French summary.
2883. MITSUHASHI, J. Methods for rearing leafhoppers and planthoppers on artificial diets. Rev. Plant Protect. Res. 7:57-67, illus. Ref. 1974.
Laodelphax striatellus Fallen mainly used.

2884. MOCHIDA, O. An estimation of loss of rice yield due to insect pests in Kyushu, Japan. *Rice Entomol. Newsl.* 1:14-17, illus. Dec. 1974.
2885. MOCHIDA, O. A summary of some current researches on rice insect pests in Japan. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 4 p.
2886. MOGI, M., and WADA, Y. Spatial distribution of larvae of mosquito Culex tritaeniorhynchus summorosus in a rice field area. *Trop. Med.* 15(2):69-83, illus. 1973.
Japanese summary.
2887. MOHAMED HANIFA, A., SUBRAMANIAM, T. R., and PONNAIYA, B. W. X. Role of silica in resistance to the leaf roller, Cnaphalocrossis medinalis Guenée, in rice. *Indian J. Exp. Biol.* 12(5):463-465, illus. Ref. Sept. 1974.
2888. MOOKERJEE, A. L., and CHATTERJEE, D. K. Studies on the efficacy of some new insecticides on major rice pests and their effect on yield. *Agric. Agro-Ind. J.* 6(2):34-36, illus. Feb. 1973.
2889. MORGAN, H. G., and ABU, J. F. Seasonal abundance of Diopsis (Diptera, Diopsidae) on irrigated rice in the Accra plains. *Ghana J. Agric. Sci.* 6(3):185-191, illus. Dec. 1973.
2890. MOULTON, T. P. The effects of various insecticides (especially Thiodan and BHC) on fish in the paddy-fields of West Malaysia. *Malays. Agric. J.* 49(2):224-253, illus. Ref. July 1973.
2891. MUKHARJI, S. P., and MISHRA, D. S. Effects of certain insecticides on the gut epithelia, ceaca and the Malpighian tubules of paddy grasshopper: Hieroglyphus bantian F. (Acrididae: Orthoptera). *Indian J. Zootomy* 12(2):135-142, illus. Ref. 1971.
2892. MUNROE, D. D. Hill rice entomology in Sarawak. *Rice Entomol. Newsl.* 1:13-14. Dec. 1974.
2893. MURAKAMI, M., SUZUKI, K., and WATANABE, K. Fundamental studies on the forecast of the smaller brown planthopper. 6-7. (In Japanese) *Proc. Kanto-Tosan Plant Protect. Soc.* 21:81-82; 83, illus. Aug. 1974.
6. On the relation between the period of occurrence of the first adult and quantity of occurrence of the first generation period; 7. On the relation between the quantity and period of occurrence of the second adult and occurrence of the stripe and black-streaked dwarf.
2894. NAGAI, K., TANIGUCHI, S., and NONAKA, K. Chemical control of the paddy borer in the third generation with several insecticides. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:12-13, illus. 1974.
2895. NAGAI, K., and others. Effectiveness of several insecticides against the insecticide-resistant green rice leafhopper. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 29:3-5, illus. 1974.
M. Sakimura, T. Miura, and S. Goto, joint authors.
2896. NAGATA, T., and MORITA, S. Resistance in the brown planthopper, Nilaparvata lugens Stål, to lindane. (In Japanese) *Jap. J. Appl. Entomol. Zool.* 18(2):73-80, illus. June 1974.
English summary.
2897. NAKASUGA, T., HIGUCHI, T., and YOKOMIZO, K. Annual trends of the occurrence of the insecticide-resistant green rice leafhopper and field effect of some insecticides in Nagasaki Pref. (In Japanese) *Proc. Assoc. Plant Protect. Kyushu* 20:1-2, illus. 1974.
2898. NAKASUJI, F., and KIRITANI, K. Control of the leaf- and planthoppers with low concentration of carbamates. (In Japanese) *Proc. Assoc. Plant Protect. Shikoku* 9:1-6, illus. June 1974.
English summary.
2899. NAKASUJI, F., and KAWAZAWA, T. Minimum population level which requires chemical control for suctorial rice stink bugs and its forecasting by using Italian ryegrass. (In Japanese) *Noyaku Kenkyu* 20(3):43-55, illus. Feb. 1974.
2900. NASUDA, K., and others. Speckled rice caused by bugs in Fukui Prefecture and its countermeasure. (In Japanese) *Bull. Fukui Agric. Exp. Stn.* 11:1-43, illus. Ref. Mar. 1974.
T. Sugimoto, K. Imamura, N. Machimura, S. Yamazaki, G. Kawabata, H. Kurokawa, M. Isaka, M. Kan, M. Miyagoshi, and K. Horiuchi, joint authors.
English summary.
2901. NGUYEN VAN HUYNH. Toxicity of carbofuran to the brown planthopper, Nilaparvata lugens (Stal.) and its metabolism in the rice plant. College, Laguna, 1974. 49 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
2902. NIREI, M., and EMURA, K. On the outbreak of green rice leafhopper, Nephotettix cincticeps Uhler, and its some occurrence factors. (In Japanese) *Proc. Assoc. Plant Protect. Hokuriku* 22:32-34, illus. Ref. 1974.
2903. NODA, H. Preliminary histological observation and population dynamics of intracellular yeast-like symbiotes in the smaller brown planthopper, Laodelphax striatellus (Homoptera: Delphacidae). *Appl. Entomol. Zool.* 9(4):275-277, illus. Dec. 1974.

2904. NOGUCHI, Y. The influence of rainfall on the control of rice stem borer. (In Japanese) Rep. Tokushima Agric. Exp. Stn. 13:17-20, illus. Mar. 1972.
2905. OGANE, Z., AIDA, K., and ODA, K. On the susceptibility of the green rice leafhopper to carbamate insecticide in Tochigi Prefecture. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:83, illus. Aug. 1974.
2906. OKAMOTO, D. Progress of occurrence and researches on insecticide resistant insect pests of rice plant in Chugoku-region. (In Japanese) Chugoku Agric. Res. 47:75-79, illus. Dec. 1973.
2907. OKAZAKI, K. Parasitic wasps of rice leaf miner, Agromyza oryzae Murakata. 1. A report of the studies on the primary parasitic Chalcid flies (Hymenoptera: Eulophidae and Entedontidae) bred from the larvae of rice leaf miner (Diptera: Agromyzidae). (In Japanese) Annu. Rep. Soc. Plant Protect. North Japan 24:38-42, illus. Dec. 1973.
English summary.
2908. OKUMA, C. Aeronautic spiders caught by the trap net above paddy fields. (In Japanese) Sci. Bull. Fac. Agric. Kyushu Univ. 29(3):79-85, illus. Ref. Dec. 1974.
English summary.
2909. OKUMA, C., and WONGSIRI, T. Second report on the spider-fauna of the paddy fields in Thailand. Mushi 47(2):1-17, illus. 1973.
2910. OKUYAMA, S., and INOUE, H. On the relation between the occurrence of the black rot of rice grains and insects; especially the relation of rice leaf bug (Trigonotylus costalis Kirkaldy). (In Japanese) Bull. Hokkaido Prefect. Agric. Exp. Stn. 30:85-94, illus. Ref. Oct. 1974.
English summary.
2911. OKUYAMA, Y., and SHIMODA, T. Studies on the control method of smaller rice leaf miner. I. Effect of insecticides on smaller rice leaf miner, when applied to young rice seedlings grown on the nursery beds. (In Japanese) Bull. Tottori Agric. Exp. Stn. 14:15-22, illus. Ref. Oct. 1974.
English summary.
2912. ORITA, S. Longevity and fecundity of Nephotettix cincticeps Uhler and Tettigella viridis Linne on some weeds in non-cultivating paddy fields. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:68-72, illus. 1973.
2913. OYA, S., and SATO, A. Influence of low temperature, host-plants and submerged conditions to the green rice leafhopper, Nephotettix cincticeps Uhler, before continuous snow cover. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:65-68, illus. 1973.
2914. OYA, S., and SUZUKI, T. The population dynamics of the green rice leafhopper, Nephotettix cincticeps Uhler, before continuous snow cover. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:61-64, illus. 1973.
2915. OZAKI, K. Current low population density of the rice stem borer in relation to changes in cultural practice of rice plant. (In Japanese) Proc. Assoc. Plant Protect. Shikoku 9:13-23, illus. Ref. June 1974.
2916. OZAKI, K., and KASSAI, T. Toxicity of twenty different insecticides to the white-backed planthopper, Sogatella furcifera (Horvath). (In Japanese) Bull. Kagawa Agric. Exp. Stn. 23:7-10, illus. Sept. 1973.
2917. PANDA, N., and others. Survival and development of the larvae of yellow rice-borer, Tryporyza incertulas Walker (Lepidoptera: Pyralidae), on resistant and susceptible rice varieties. Indian J. Agric. Sci. 43(9):879-881, illus. Sept. 1973, pub. 1974.
A. P. Samal, N. C. Patra, and T. G. Reddy, joint authors.
2918. PANUDJU, P., and others. Insecticide selection for stem borer and other rice insect control in Indonesia. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.63-72, illus. Ref. Jakarta, 1974.
J. Lecuwangh, S. Sama, K. M. Saleh, and P. van Halteren, joint authors.
2919. PANUDJU, P., and LEEUWANGH, J. Time and number of insecticide applications. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.73-82, illus. Jakarta, 1974.
2920. PATHAK, M. D. Methods of testing for varietal resistance to stem borer, leafhopper and planthopper pests of rice and a list of selected resistant varieties. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 10 p.
2921. PAWAR, A. D. Collection and identification of insect pests of rice; terminal report. Los Baños, Laguna, IRRI, Feb. 1974. 67, 3 p. Ref.
2922. PHILIPPINES (REPUBLIC). BUREAU OF PLANT INDUSTRY, U. P. AT LOS BAÑOS, and INTERNATIONAL RICE RESEARCH INSTITUTE. Emergency control recommendations for brown planthoppers. Plant Protect. News 3(9):30-31, illus. Apr. 1974.

2923. PONGPRASERT, S. Resistance to the zigzag leafhopper, Recilia dorsalis (Motschulsky), in rice varieties. College, Laguna, 1974. 76 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
2924. PONGPRASERT, S., and PURIVIRODKUL, W. Screening for resistance to stem borers, gall midge in rice. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.76-87, illus. Bangkok, 1974.
English summary.
2925. PRADHAN, S., and KUMAR, S. Intensive agriculture and pest problems. Entomol. Newsl. 4(3):17-20, illus. Mar. 197.
In multiple cropping.
2926. PRAKASA RAO, P. S. Ecology and control of Tryporyza incertulas Walker and Pachytiplosis oryzae Wood-Mason in rice. Bhubaneswar, 1972. 282, xix p., illus. Ref.
Thesis (Ph.D.)--Utkal University.
2927. PRAKASA RAO, P. S. Recent ecological studies in rice insects--stem borers, gall midge and rice hispa. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 20, IV p. Ref.
2928. PRAKASA RAO, P. S. Recent researches on rice pests in India. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 7 p.
2929. PURA, C. D. Resistance to the brown planthopper, Nilaparvata lugens (Stal) in rice varieties. College, Laguna, 1971. 79 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
2930. QUISTAD, G. B., STAIGER, L. E., and SCHOOLEY, D. A. Environmental degradation of the insect growth regulator methoprene (isopropyl (2E, 4E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate). I. Metabolism by alfalfa and rice. J. Agric. Food Chem. 22(4):582-589, illus. Ref. July/Aug. 1974.
2931. RAFAEL TRUJILLO, M. Biología y control de la "Chinche grande del arroz". [Biology and control of "Chinche grande del arroz".] Corrientes, Estación Experimental Regional Agropecuaria, n.d. 1 v. (unpaged)
Tibraca limbaventrís Stal. 1860.
2932. RAI, B. K. Losses caused by the paddy bug and "red rice" in Guyana. FAO Plant Protect. Bull. 22(4):82-86, illus. Aug. 1974.
2933. RAMAKRISHNAN, C., and SITHANANTHAM, S. Control of rice leaf roller with newer insecticides. Farm J. [India] 15(4):16-18, illus. Feb. 1974.
2934. RATISOONTORN, P. A biological and toxicological study of striped rice borer Chilo suppressalis (Walker). College, Laguna, 1971. 51 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
2935. RODRIGUEZ RIVERA, R. Resistance to the whitebacked planthopper, Sogatella furcifera (Horvath) in rice varieties. College, Laguna, 1972. 69 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines
2936. SAJJAN, S. S. Varietal resistance of rice to Nephotettix nigropictus (Stal). Los Baños, Laguna, IRRI, 1972. 10 p., tables.
2937. SALEH, K. M., HALTEREN, P. VAN, and SAMA, S. Response of rice, maize, sorghum, groundnut and soybean to foliage losses. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.185-189, illus. Jakarta, 1974.
Insect damage.
2938. SAMA, S., and HALTEREN, P. VAN. Hama penting pada tanaman padi serta pemberantasannya. [Major pests of rice and their control in South Sulawesi.] Sulawesi Selatan, 1973. 20 p., illus. (Lembaga Penelitian Pertanian Maros Bull. No.2)
2939. SAMA, S., HALTEREN, P. VAN, and SALEH, K. M. Insecticide application in the rice plant root zone. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.90-94, illus. Jakarta, 1974.
2940. SANCIDE for the control of leafhopper, planthopper, leaf beetle and leaf miner of rice plant. (In Japanese) Noyaku Graph 51:8-9, illus. July 1974.
2941. SANTA, H. Summary of the researches on insecticide resistant insect pests of rice plant in Chugoku-region. (In Japanese) Chugoku Agric. Res. 47:161-163, illus. Dec. 1973.
2942. SASABA, T. Computer simulation studies on the life system of the green rice leafhopper, Nephotettix cincticeps Uhler. Rev. Plant Protect. Res. 7:81-98, illus. Ref. 1974.

2943. SASABA, T., and KIRITANI, K. Simulations of the population changes of Lycosa in the paddy field (Lycosidae: Lycosa). Appl. Entomol. Zool. 9(4):273-275, illus. Dec. 1974.
2944. SATO, H. Control of mosquitoes in paddy and non-cropping fields. (In Japanese) Plant Protect. [Japan] 28(1):12-16, illus. Jan. 1974.
2945. SCHEIBELREITER, G. Notes on the biology of Cerodontha orbitona Spencer (Diptera, Agromyzidae)--a new leaf miner on rice. Ghana J. Agric. Sci. 6:127-131, illus. 1973.
French summary.
2946. SEKIGUCHI, W., and JOHRAKU, T. On the occurring area of rice leaf beetle and its environmental conditions. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:46-49, illus. Ref. 1973.
2947. SEKIGUCHI, W., and JOHRAKU, T. On the efficiency of the sweeping method by comparison with the sighting method on the green rice leafhopper, Nephotettix cincticeps Uhler. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 22:25-29, illus. 1974.
2948. SHASTRY, S. V. S. Review of international gall midge screening tests 1971-73. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 8 p., illus.
2949. SHIBAMOTO, T., and others. Controlling effect of microgranular-F insecticides with aerial application on green rice leafhopper in autumn. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:87, illus. Aug. 1974.
Y. Kureha, S. Kobayashi, and T. Fujisawa, joint authors.
2950. SHIM, J. W. Studies on the host resistance of the rice plant to the rice stem borer, Chilo suppressalis Walker. (In Korean) Korean J. Breed. 1(1):29-34, illus. Ref. Dec. 1969.
English summary.
2951. SHIMAZU, H., SHINOZUKA, S., and KASE, Y. Seasonal occurrence of rice leaf beetle in Chiba Prefecture. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:93, illus. Aug. 1974.
2952. SHIMOMATSU, A., and KAWAZAWA, T. Insecticides for rice plant weevil. (In Japanese) Noyaku Kenkyu 20(3):23-25, illus. Feb. 1974.
2953. SINGH, D., SARDANA, M. G., and KHOSLA, R. K. Estimates of pests infestation and consequent field losses in the yield of paddy crop. Indian J. Entomol. 34(3):196-205, illus. Sept. 1972.
2954. SINGH, S. R., SUTANDAR, A., and BENJAMIN, B. Performance of different galecron formulations applied to paddy water vs. Tryporyza incertulas in Indonesia. J. Econ. Entomol. 67(1):131-132, illus. Feb. 1974.
2955. SOEHARDJAN, M., SOEKARNA, D., and LEEUWANGH, J. Stem borer and gallmidge infestations at different growth stages of the rice plant under field conditions. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.126-130, illus. Jakarta, 1974.
2956. SOEHARDJAN, M., LEEUWANGH, J., and SURACHMAN, E. Studies on the light trap catches of rice stem borers. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.131-133, illus. Jakarta, 1974.
2957. SOEHARDJAN, M., RUHENDI, AND LEEUWANGH, J. Varietal screening for resistance to insect pests in foodcrops in Indonesia. III. Varietal screening for resistance to the rice gallmidge. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.155-159. Jakarta, 1974.
2958. SOEHARDJAN, M., RUHENDI, and LEEUWANGH, J. Varietal screening for resistance to insect pests in foodcrops in Indonesia. V. Varietal screening for resistance to the leaf folder, Cnaphalocrosis medinalis, in rice. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.164-165, illus. Jakarta, 1974.
2959. SOEJITNO, J., VREDEN, G. VAN, and SUARTINI. Biology and mass rearing of rice insects. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.139-145, illus. Jakarta, 1974.
2960. SOEJITNO, J. Varietal screening for resistance to insect pests in foodcrops in Indonesia. I. Introduction. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.151-152. Jakarta, 1974.
2961. SOEJITNO, J., and others. Varietal screening for resistance to insect pests in foodcrops in Indonesia. II. Varietal screening for resistance to rice stem borers. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.152-155. Jakarta, 1974.
M. Soehardjan, Ruhendi, G. van Vreden, and J. Leeuwangh, joint authors.

2962. SOEJTNO, J., and VREDEN, G. VAN. Varietal screening for resistance to insect pests in foodcrops in Indonesia. VI. Varietal screening for resistance to the army worm, Spodoptera mauritia, in rice. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.166-167. Jakarta, 1974.
2963. SOEKARNA, D., HARNOTO, and LEEUWANGH, J. Amount of spray liquid in high volume insecticide applications for the control of rice insect pests. In Indonesia. Ministry of Agriculture. Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.83-89, illus. Jakarta, 1974.
2964. SOGAWA, K. Studies on the feeding habits of the brown planthopper, Nilaparvata lugens (Stal) (Hemiptera: Delphacidae). IV. Probing stimulant. Appl. Entomol. Zool. 9(4):204-214, illus. Ref. Dec. 1974.
2965. SONG, Y. H., and others. Studies on the resistance of rice to the leaf-and planthoppers. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Soil Sci. Fert.):11-20, illus. Ref. Aug. 1974.
J. S. Park, J. O. Lee, and S. Y. Choi, joint authors.
English summary.
2966. SRIHARAN, S., GARG, A. K., and PRASAD, Y. Feasibility of labelling green leaf hopper, Nephotettix virescens (Distant) with P³². Entomol. Newsl. 4(6):44-45. Aug. 1974.
2967. SRIHARAN, S., and GARG, A. K. A method to mark green leaf hopper, Nephotettix virescens (Distant) with fluorescent dyes. Entomol. Newsl. 4(10):54-55. Oct. 1974.
2968. SRIHARAN, S., GARG, A. K., and PRASAD, Y. Movement of insecticides in flooded and non-flooded rice soils. Entomol. Newsl. 4(5):30-31. May 1974.
2969. STEELMAN, C. D. Field tests with chemicals which inhibit insect development for the control of the rice field mosquito Psorophora confinnis (Lynch-Arribalzaga). Annu. Progr. Rep. La. Rice Exp. Stn. 65th:150-152, illus. 1973.
2970. SUARTINI, and others. Varietal screening for resistance to insect pests in foodcrops in Indonesia. IV. Varietal screening for resistance to the brown planthopper, Nilaparvata lugens on rice. In Indonesia. Ministry of Agriculture, Agricultural Cooperation, Indonesia - The Netherlands, Research reports 1968-1974, Section II, p.159-164, illus. Jakarta, 1974.
R. Arlianti, S. Siwi, and G. van Vreden, joint authors.
2971. SUBBA RAO, B. R. Four new species of Paracentrobia Howard, 1897 (Hymenoptera: Trichogrammatidae). Mushi 48 (1):1-5, illus. 1974.
Rice pests.
2972. SUBBA RAO, D. V. Studies on the resistance in some rice cultures to the first instar larva of Tryporyza incertulas Walker (Pyralidae: Schoenobiinae). Bapatla, 1973. 56 p., illus. Ref.
Thesis (M.S.)--Andhra Pradesh Agricultural University.
2973. SUGIMOTO, T. Studies on the speckled rice. VIII. The fecundity and food plants of Togo hemipterus Scott. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:49-52, illus. 1973.
2974. SUMITA, K., ENDO, K., and KODAMA, S. Some investigations of the speckled rice by rice ear injurious bugs and their control in Sado Island. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 21:97-100, illus. 1973.
2975. SUMMARY of research work on insect pests of rice, at Kala Shah Kaku, (Punjab), April, 1974. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 2 p., tables.
2976. SUPHARNGKASEN, P. Studies on chemical control, damage as related to fertilization, dispersal, effects of cold temperature, and sex ratios of the rice stalk borer, Chilo plejadellus Zincken. Baton Rouge, La., 1973. 163 p., illus. Ref.
Thesis (Ph.D.)--Louisiana State University and Agricultural and Mechanical College.
2977. SWENSON, K. G. Insects as vectors of plant viruses and mycoplasma-like organisms. In Perspectives in aphid biology, p.92-102, illus. Ref. Auckland, N.Z., The Entomological Society of New Zealand, 1973.
Includes transmission of rice viruses.
2978. TAKAGI, S. The cause of slight occurrence of rice stem borer, Chilo suppressalis Walker. (In Japanese) Plant Protect. [Japan] 28(1):7-11, illus. Jan. 1974.
2979. TAKAHASHI, I., and MASUI, A. Behavior of diazinon applied in paddy field, and investigation on suitable application period. (In Japanese) Jap. J. Appl. Entomol. Zool. 18(4):171-176, illus. Dec. 1974.
English summary.
2980. TAKAHASHI, S. Control of the small brown planthopper Laodelphax striatellus, a vector of stripe virus infection in rice in early spring. (In Japanese) Nogyo Gijutsu 29(4):178-183, illus. Apr. 1974.

2981. TAKAI, A. Measures for controlling rice stink bugs in Ibaraki Prefecture for 1974. (In Japanese) Noyaku Kenkyu 21 (2):28-32, illus. Nov. 1974.
2982. TAKANO, M. Control of harmful insects in drained paddy field in direct seeding culture. (In Japanese) Noyaku Kenkyu 20(3):8-12, illus. Feb. 1974.
2983. TAKAYAMA, T., HARA, E., and NAKAZATO, F. The relation between density of green rice leafhopper and damage of rice plants. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:84, illus. Aug. 1974.
2984. TAKEDA, M. Mating behaviour of the brown planthopper, Nilaparvata lugens Stål. (In Japanese) J.r.p. J. Appl. Entomol. Zool. 18(2):43-51, illus. Ref. June 1974.
English summary.
2985. TAKIHIRO, T., MAEDA, H., and NAKAYABU, M. Ecology and control of red-veined leaf bug causing speckled rice in mountainous region in Hiroshima Prefecture. (In Japanese) Noyaku Kenkyu 20(1):16-23, illus. Aug. 1973.
2986. TAKIHIRO, T., NAKAYABU, M., and MAEDA, H. Studies on the causes and the control of the spotted rice. II. On the bionomics and the control of the red-veined leaf bug. (In Japanese) Bull. Hiroshima Prefect. Agric. Exp. Stn. 33:23-32, illus. Ref. Mar. 1974.
English summary.
2987. TANAKA, H. Ecological studies of spiders in paddy fields in Kinki. I. Studies on the life-cycle of spiders, Oedothorax insecticeps Bös. et Str. and Enoplognatha japonica Bös et Str. (In Japanese) Acta Arachnol. 25(1):10-15, illus. Dec. 25, 1973.
English summary.
2988. TANAKA, K., and TSUTSUI, K. Occurrence of smaller brown planthopper, Laodelphax striatellus, on early-cultured paddy rice and recovery of rice plants infected with stripe soon after the transplanting. (In Japanese) Bull. Tokai-Kinki Natl. Agric. Exp. Stn. 26:48-54, illus. Ref. Mar. 1974.
English summary.
2989. TEJ KUMAR, S., and AZAM, K. M. Panicum repens, an alternate host for paddy leaf folder, Cnaphalocerosis medinalis Guen. in Andhra Pradesh. Andhra Agric. J. 19(3/4):109. May-June/July-Aug. 1972.
2990. THAN, H. Pest control research work in Burma. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 2 p.
2991. THOMAS, M. J., and ABRAHAM, C. C. Ischaemum aristatum H. as an alternate host plant for the paddy gall midge Pachytiplosis oryzae Wood Mason (Cecidomyiidae: Diptera). Agric. Res. J. Kerala 11(1):80. Mar. 1973.
2992. TOGASHI, I. The hymenopterous parasites of Oulema oryzae (Kuwayama) (Coleoptera, Chrysomelidae) in Ishikawa prefecture. Mushi 48(2):7-13, illus. 1974.
2993. TOKI, A., FUJIMURA, T., and FUJITA, K. Hymenopterous parasites of the hibernating larvae of the rice stem borer, Chilo suppressalis Walker, and from-year-to-year change in the species composition. (In Japanese) Bull. Aomori Agric. Exp. Stn. 19:51-54, illus. Mar. 1974.
2994. TORII, T. The population dynamics of the Carabid beetles trapped at the levee of the paddy field. Mushi 47(9):119-126, illus. 1974.
2995. TSUBOI, A. Control of harmful insects in drained paddy field in direct sowing culture. (In Japanese) Noyaku Kenkyu 20(3):1-7, illus. Feb. 1974.
2996. TSUBOI, A., HIRAMATSU, T., and KOBAYASHI, M. Effect of several dust-insecticides to brown planthopper, Nilaparvata lugens Stal. (In Japanese) Chugoku Agric. Res. 47:148-149, illus. Dec. 1973.
2997. TSUBOI, A., HIRAMATSU, T., and KOBAYASHI, M. Esterase zymogram in green rice leafhopper, Nephotettix cincticeps Uhler. (In Japanese) Chugoku Agric. Res. 47:112-114, illus. Dec. 1973.
2998. TSUBOI, A., HIRAMATSU, T., and KOBAYASHI, M. Geographical distribution of resistant green rice leafhopper, Nephotettix cincticeps Uhler to organophosphorus-insecticide in Okayama Prefecture. (In Japanese) Chugoku Agric. Res. 47:97-99, illus. Dec. 1973.
2999. TSUBOI, A., KOBAYASHI, M., and SHIRAGA, T. Occurrence of the resistance to organophosphorus insecticides in the green rice leafhopper, Nephotettix cincticeps Uhler in Okayama Prefecture. (In Japanese) Chugoku Agric. Res. 47:94-96, illus. Dec. 1973.
3000. TSUBOI, A., and others. Susceptibility to other insecticides in methyl parathion resistant green rice leafhopper, Nephotettix cincticeps Uhler. (In Japanese) Chugoku Agric. Res. 47:115-117, illus. Dec. 1973.
T. Hiramatsu, F. Tanaka, and M. Kobayashi, joint authors.

3001. UCHIDA, N., and others. Evaluation of resistance to the rice stem maggot in several new rice varieties. (In Japanese) Proc. Assoc. Plant Protect. Kyushu 20:14-15, illus. 1974.
N. Gytoku, Y. Hirata, S. Yokoyama, and H. Sakai, joint authors.
3002. ULMANN, E. Lindane: monograph of an insecticide. Freiburg im Breisgau, Verlag K. Schillinger, 1972. 384 p., illus. Ref.
Uses on rice, p.181-183.
3003. URABE, Y., and others. Control of the flecked grains of rice by aerial application of insecticides. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:91-92, illus. Aug. 1974.
H. Abe, H. Sakuma, and H. Anzai, joint authors.
3004. VEGA, C. R. Resistance to insect pests in rice varieties. In Proc. Conf. on Plant Protection in Tropical and Sub-tropical Areas, Manila, 1974, 12 p., tables, figs.
3005. VELUSAMY, R., JANAKI, I. P., and SUBRAMANIAM, T. R. New record of host plants of the rice leaf roller Cnaphalocrosis medinalis Guen. (Pyraustidae: Lepidoptera). Madras Agric. J. 60(7):571. July 1973.
3006. VELUSWAMY, R., and others. Pathogenicity of Aspergillus flavus on rice skipper Pelopidas mathias (Hesperiidae: Lepidoptera). Madras Agric. J. 60(7):575, illus. July 1973.
I. P. Janaki, A. Palaniswamy, and T. Jaganathan, joint authors.
3007. VENKATARAMAN, A., ABRAHAM, E. V., and SAMUEL, J. C. Control of rice pests with granular insecticides in Thanjavur District. Madras Agric. J. 60(7):428-430, illus. July 1973.
3008. VIRAKTAMATH, C. A., PUTTARUDRIAN, M., and CHANNABASAVANNA, G. P. Studies on the biology of rice case-worm Nymphula depunctalis Guenée (Pyraustidae: Lepidoptera). Mysore J. Agric. Sci. 8(2):234-241, illus. 1974.
3009. VISWESWARIAH, K., and JAYARAM, M. Colorimetric method for the estimation of malathion. Agric. Biol. Chem. 38(10):2031-2033, illus. Oct. 1974.
3010. VO-TONG XUAN, HA TRIEU HIEP, and THAI THI UT. Screening rice varieties for brown planthopper resistance. In Colorado State Univ. Water Management Research Project. Annual report, 1973-74, p.59-61, illus. Fort Collins, Colorado, 1974.
3011. WADHI, S. R., and others. Insects intercepted from plants and plant materials imported and intended for export for plant introduction purposes. Indian J. Entomol. 34(3):219-224, illus. Sept. 1972.
B. R. Verma, K. M. Srivastava, and R. Lal, joint authors.
Includes paddy.
3012. WAKAMATSU, T., and KATO, S. On the number of times of molting and the periods of instar of rice stem borer, Chilo suppressalis Walker, in the first generation. (In Japanese) Proc. Assoc. Plant Protect. Hokuriku 32:23-25, illus. 1974.
3013. WONGSIRI, N., and HONGSAPRUG, W. Light trap study on seasonal variation of various rice insect pests. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.371-375. Bangkok, 1974.
3014. WONGSIRI, T., and others. Remarks on two noteworthy dipterous predators of the larvae of stalk borers including Chilo polychrysus (Meyrick) in S. E. Asia. Mushi 47(8):111-117, illus. 1974.
S. Navavichit, P. Nilpanit, K. Yano, and K. Yasumatsu, joint authors.
3015. WONGSIRI, T. Research on rice insects in Thailand. In The sterile-insect technique and its field applications; proc. of a panel, 1972, p.117-127, illus. Vienna, International Atomic Energy Agency, 1974.
3016. YAGI, S., and FUKAYA, M. Juvenile hormone as a key factor regulating larval diapause of the rice stem borer, Chilo suppressalis (Lepidoptera: Pyralidae). Appl. Entomol. Zool. 9(4):247-255, illus. Ref. Dec. 1974.
3017. YAMADA, K., KADOWAKI, T., and OMOSO, N. On the relation between varieties or cultivation method and the ear blighting of rice plant caused by Sphaeralina orizina Hara and its control with chemicals. (In Japanese) Chugoku Agric. Res. 47:3-7, illus. Ref. Dec. 1973.
3018. YAMAGUCHI, F., and IMAI, K. Distribution of resistant green rice leafhopper, Nephotettix cincticeps Uhler to organophosphorus insecticides in Hyogo Prefecture. (In Japanese) Chugoku Agric. Res. 47:109-111, illus. Dec. 1973.
3019. YAMAGUCHI, F., and IMAI, K. Resistance to the organophosphorus insecticides in the smaller brown planthopper, Laodelphax striatellus Fallen in Hyogo Prefecture. (In Japanese) Chugoku Agric. Res. 47:129-130, illus. Dec. 1973.
3020. YAMASHINA, H. Problems of pesticide resistance of rice plant insects. (In Japanese) Noyaku Kagaku 2(3):91-106, illus. Ref. Dec. 1974.

3021. YAMASHITA, M. Insecticide resistance in the rice stem borer, Chilo suppressalis Walker in Hyogo Prefecture. (In Japanese) Chugoku Agric. Res. 47:89-93, illus. Dec. 1973.

OTHER PESTS

3022. ALAM, M. Z. Problems of rat in Bangladesh. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 4 p.
3023. BENIGNO, E. A. Estimating population parameters of the ricefield rat (Rattus rattus Mindanensis Mearns). College, Laguna, 1972. 49 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3024. CASTRO, F., and others. Rat problems in the Philippines. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 3 p.
C. Mendoza, A. Musico, P. Trinidad, and H. Villate, joint authors.
3025. CHEN, Y. Y. Status of rodent problems in Peninsular Malaysia. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 7 p.
3026. DENVER WILDLIFE RESEARCH CENTER. Exploratory studies to reduce cotton rat damage to rice in Nicaragua. Denver, Colorado, Aug. 1971. 22 p., illus.
3027. FERRER, L. S. Laboratory study on juvenile growth of the common ricefield rat (Rattus rattus Mindanensis Mearns). College, Laguna, 1973. 49 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
3028. HOPPE, A. H. Implementation of a special BPI programme. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 9 - Technical papers, 7 p.
Rat control in ricefields.
3029. JAPAN PLANT PROTECTION ASSOCIATION. Handbook of rodent control. (In Japanese) Tokyo, 1974. 104 p., illus.
3030. KAISER, K. E., WJEYARATNAM, C., and BANDARA, A. G. S. Rat problems in Sri Lanka. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 2 p.
3031. KAISER, K. E., WJEYARATNAM, C., and BANDARA, A. G. S. Some brief notes on the rice field mole rat of Sri Lanka, Bandicota bengalensis (Syn. Gunomys gracialis). In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 3 p.
3032. KOBAYASHI, T., and others. Studies on the arthropod associations in paddy fields, with particular reference to insecticidal effect on them. I. General composition of the arthropod fauna in paddy fields revealed by new-sweeping in Tokushima Prefecture. (In Japanese) Kontyu 41(3):359-373, illus. Ref. Sept. 1973.
Y. Noguchi, T. Hiwada, K. Kanayama, and N. Maruoka, joint authors.
English summary.
3033. KONUMA, S., and KUREHA, Y. On the relation between the nest hole of wild rats and damage in rice field. (In Japanese) Proc. Kanto-Tosan Plant Protect. Soc. 21:149, illus. Aug. 1974.
3034. LIM, B. L. Small mammals associated with rice fields. MARDI (Malays. Agric. Res. Dev. Inst.) Res. Bull. 2(1):25-33, illus. Ref. June 1974.
Malaysian summary.
3035. LIN, H. K. Rat control in Taiwan. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 19 p.
3036. MARGES, B. E. Reproduction and seasonal abundance of the ricefield rat (Rattus rattus Mindanensis Mearns) at Siniloan, Laguna. College, Laguna, 1972. 43 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3037. MENGUITO, M. P. BPI program of rat control work. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 9 - Technical papers, 12 p.
3038. MENGUITO, M. P. Rat control programs of the Bureau of Plant Industry. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 9 - Technical papers, 12 p.
3039. PARK, A. W. Biology of the rice rat (Oryzomys palustris natator) in a laboratory environment. VI. Differentiation of the sexes. Z. Säugetierkd. 39(5):276-284, illus. Ref. 1974.
German summary.

3040. PARTOATMODJO, S. Rat problem on foodcrops in Indonesia. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 8 p.
3041. RODENT RESEARCH CENTER, PHILIPPINES. Annual report 1973. College, Laguna, n.d. 94 p., illus.
3042. ROY, S. K. Pre-harvest loss of rice due to field rodents. Econ. Polit. Wkly. 9(26):Rev. Agric., A-66-A-67, illus. June 1974.
3043. SANCHEZ, F. F. Vertebrate pest problems in Southeast Asia. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 5 p.
Rat damage.
3044. SENGUPTA, S. The common Baya (Ploceus philippinus) - a serious pest of agriculture. Curr. Sci. 43(4):124-125. Feb. 20, 1974.
Rice pest.
3045. SHIN, Y. M. Influence of rice ripening time and neighboring habitat on rodent species composition and crop damage. (In Korean) Korean J. Plant Protect. 13(3):135-139, illus. Ref. Oct. 1974.
English summary.
3046. SOEDARMO. Field rats (R. argentiventer) in Wonosobo successfully controlled in 1973. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 8 p., tables.
3047. SUDTO, P. Effects of some miticides. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.702-708, illus. Bangkok, 1974.
English summary.
3048. SUDTO, P. Taxonomic and biological study on rice spider mite. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.709-712. Bangkok, 1974.
English summary.
3049. SUMANGIL, J. P. The effect of rain and shower in the feeding activity of Cotabato field rats. Philipp. Agric. 56 (7/8):267-273, illus. Ref. Dec. 1972/Jan. 1973.
Mostly ricefield rats (R. argentiventer).
3050. SUNG, T. H. Preliminary notes on the behaviour of some paddy-field leeches from Ninghsien, Chekiang Province, China. (In Chinese) Acta Zool. Sin. 20(1):52-80. Mar. 1974.
English summary.
3051. SWINK, F. N., SUMANGIL, J. P., and TOLENTINO, D. O. A method of estimating rat damage to growing rice. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 9 - Technical papers, 3 p.
3052. TAYLOR, K. D. Rodent problems in tropical agriculture. PANS (Pest Artic. News Summ.) 18(1):81-86, illus. Ref. Mar. 1972.
Includes rat damage to rice crops.
3053. TOLENTINO, D. O. A method for random selection for rat damage estimates and the procedure for calculating the estimated percent of damage to ripening rice. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 9 - Technical papers, 6 p.
3054. TONGTAVEE, K., and YENBUTRA, S. Toxicology of zinc phosphide and warfarin. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.696-701, illus. Bangkok, 1974.
English summary.
Rodenticides.
3055. YENBUTRA, S., TONGTAVEE, K., and BOONSONG, P. Biology of the greater bandicoot rat (Bandicota indica) and the rice field rat (Rattus argentiventer). (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.691-695, illus. Bangkok, 1974.
English summary.
3056. YENBUTRA, S., and WUTHIJINDAROJ, O. Report on the present status of vertebrate pest problem and program in Thailand. In Proc. Regional Seminar on Field Rat Control and Research, Manila, 1974, Annex 8 - Country reports, 5 p.

THE RICE PRODUCT

STORAGE AND STORAGE PESTS

3057. ABDU, R. M., and EL-SAWAF, B. M. Life span of adult rice moth Corcyra cephalonica (Staint) emerged from different irradiated stages. *Z. Angew. Entomol.* 76(2):144-143, illus. Aug. 1974.
German summary
3058. ABDULLAH, N., and HOEDAYA, M. S. The prospect of applying food irradiation in Indonesia. In *Aspects of the introduction of food irradiation in developing countries; proc. of a Panel, 1972.* p.71-77. Ref. Vienna, International Atomic Energy Agency, 1973.
Status of rice problem, p.72-73.
3059. ALAM, M. Z. Pest of stored grains and other stored products and their control. *Dacca. Agricultural Information Service*, 1971. 61 p., illus. Ref.
3060. AMARITSUTH, W., AMARITSUTH, W., and KNAPP, F. W. Stored grain insect studies. I-II. *Thai J. Agric. Sci.* 7(1):63-70, illus. Jan. 1974.
I. Susceptibility of the bean and rice weevil to three insecticides; II. Resistance of mung bean and sorghum seed to laboratory infestations of bean and rice weevil.
3061. ARBOGAST, R. T. Humidity response of adult Oryzaephilus mercator. *Environ. Entomol.* 3(6):961-964, illus. Ref. Dec. 16, 1974.
3062. BAGCIOGLU, E., SECKIN, H., and MENE, G. Etudes sur la distribution et la densite de silvain (Oryzaephilus surinamensis L.) dans la region de Marmara. [Studies on the distribution and density of the weevil (Oryzaephilus surinamensis L.) in the Marmara region.] *Zirai Mucadele Arastirma Yilligi (Plant Protect. Res. Annu.)* 1973:156.
Turkish text, p.57.
3063. BAKER, J. E. Differential net food utilization by larvae of Sitophilus oryzae and Sitophilus granarius. *J. Insect Physiol.* 20(10):1937-1942, illus. Ref. Oct. 1974.
3064. BAKER, J. E. Differential sterol utilization by larvae of Sitophilus oryzae and Sitophilus granarius. *Ann. Entomol. Soc. Am.* 67(4):591-594, illus. Ref. July 1974.
3065. BANSODE, P. C. Studies on the development of resistance to malathion in Sitophilus oryzae (L.). *Entomol. Newsl.* 4 (2):8. Feb. 1974.
3066. BAUN, L. C., MONSERRATE, R. U., and JULIANO, B. O. Changing in physicochemical properties of rice during storage. In *Proc. fourth Scientific Meeting, Crop Science Society of the Philippines, Cebu City, 1973*, p.362-378, illus. Ref.
3067. BEKKI, E., and others. Seasonal changes in storage conditions of rough rice in steel bins of a dry-store. (In Japanese) *J. Soc. Agric. Mach. Japan* 38(3):426-432, illus. Ref. Dec. 1974.
T. Takeda, T. Takahashi, and T. Komine, joint authors.
English summary.
3068. BEKKI, E., TAKEDA, T., and TAKAHASHI, T. Studies on the quality of half-dried rough rice in storage. I-III. (In Japanese) *Bull. Fac. Agric. Hirosaki Univ.* 22:44-60; 61-71; 72-84, illus. Ref. June 1974.
English summaries.
I. Storage under non air flow conditions; II. Storage under ventilated conditions; III. Dry-storing.
3069. BHATNAGAR, A. P. Engineering approach to grain storage and handling in India. *Ann. Technol. Agric.* 22(3):291-304, illus. Ref. 1973.
French and German summaries.
3070. BOLCHI, G. S. Esperimenti di protezione del riso e del risone dagli attacchi di Sitophilus oryzae (L.) [Experiments for the protection of rice and unpolished rice from the attacks of Sitophilus oryzae (L.).] *Tec. Molit.* 24(24):730-736, illus. Ref. Dec. 30, 1973.
3071. BOLES, H. P. The effect of sublethal dosages of pyrethrins on the mating efficiency of the rice weevil, Sitophilus oryzae (L.) (Coleoptera: Curculionidae). *J. Kans. Entomol. Soc.* 47(4):444-451, illus. Oct. 1974.
3072. BOLLER, R. A., and SCHROEDER, H. W. Influence of Aspergillus candidus on production of aflatoxin in rice by Aspergillus parasiticus. *Phytopathology* 64(1):121-123, illus. Jan. 1974.
3073. BOLLER, R. A., and SCHROEDER, H. W. Influence of relative humidity on production of aflatoxin in rice by Aspergillus parasiticus. *Phytopathology* 64(1):17-21, illus. Ref. Jan. 1974.

3074. BOLLER, R. A., and SCHROEDER, H. W. Influence of temperature on production of aflatoxin in rice by Aspergillus parasiticus. *Phytopathology* 64(3):283-286, illus. Ref. Mar. 1974.
3075. BROWER, J. H. Fitness and radioresistance of the rice weevil, Sitophilus oryzae (Coleoptera: Curculionidae), after 25 generations of substerilizing irradiation. *J. Kans. Entomol. Soc.* 47(4):437-444, illus. Ref. Oct. 1974.
3076. CHERKOVSKAYA, A., and TIKHONOVA, L. Karbofos dliya zashchity risa-zerna ot vreditelie. [Carbophos to protect rice grain from storage pests.] *Mukomol'no-Elevat. Kombikormovaya Prom-st.* 7:37-38. 1974.
3077. CHIKUBU, S. The storage and transporation of rice in Japan. *Ext. Bull. ASPAC Food Fert. Technol. Cent.* 39:26 p., illus. June 1974.
3078. CHO, D. H., CHUN, J. K., and KIM, Y. B. Types of deterioration of stored rice in Korea and identification of the causative microorganisms. I. (In Korean) *J. Korean Agric. Chem. Soc.* 15(3):193-198, illus. Ref. 1972.
English summary.
3079. CIESIELSKA, Z. Interspecific competition between populations of three species of Coleoptera: Calandra granaria L., Oryzaephilus surinamensis L. and Rhizoperta dominica F. *Ekol. Pols.* 20(23):287-297, illus. Ref. 1972.
Polish summary.
3080. COGBURN, R. R. Detia Ex-B for phosphine fumigation in sacked milled rice. *J. Econ. Entomol.* 67(3):436-438, illus. June 1974.
3081. COGBURN, R. R. Domestic rice varieties: apparent resistance to rice weevils, lesser grain borers, and Angoumois grain moths. *Environ. Entomol.* 3(4):681-685, illus. Ref. Aug. 1974.
3082. COGBURN, R. R. Stored rice insects research. *Rice J.* 77(7):69-70. July 1974.
3083. DHALIWAL, G. S., BHATNAGAR, A. P., and KAUR, B. Infestation of stored paddy by psocids. *Entomol. Newsl.* 4 (8):45. Aug. 1974.
3084. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Airtight grain storage (with particular reference to hot climates and developing countries). Rome, 1973. 71 p., illus.
3085. FREEMAN, J. A. Infestation of stored food in temperate countries with special reference to Great Britain. *Outlook Agric.* 8(1):34-41, illus. Ref. 1974.
3086. GOLOB, P., and ASHMAN, F. The effect of oil content and insecticides on insects attacking rice bran. *J. Stored Prod. Res.* 10(2):93-103, illus. Ref. Aug. 1974.
3087. GUNDU RAO, H. R., and HAREIN, P. K. Dichlorvos as an inhibitor of aflatoxin production in wheat, corn, rice and peanuts. *Ann. Technol. Agric.* 22(3):477-481, illus. Ref. 1973.
French and German summaries.
3088. HUSAIN, A., CHEN, C. S., and CLAYTON, J. T. Simultaneous heat and mass diffusion in biological materials. *J. Agric. Eng. Res.* 18(4):343-354, illus. Ref. Dec. 1973.
Drying of rough rice.
3089. HYUN, J. S., and YU, M. I. A study on the effects of the storage molds on the biology of the rice weevil, Sitophilus oryzae L. *Korean J. Plant Protect.* 15(2):71-75, illus. Aug. 1974.
English summary.
3090. ICHIKAWA, Y., and others. Change of quality of husked rice during storage and circulation. (In Japanese) *J. Niigata Agric. Exp. Sta.* 23:9-17, illus. Ref. Mar. 1974.
K. Ueki, S. Fujizuka, Y. Sasaki, and H. Yoshida, joint authors.
English summary.
3091. IMAMURA, K. Some observations on Togo hemipterus Scott, causing a speckled rice. (In Japanese) *Bull. Fukui Agric. Exp. Sta.* 11:45-53, illus. Ref. Mar. 1974.
English summary.
3092. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of a Grain Storage Project, Brazil. Its Rep. No. PA-135a, 21 p., annexes, maps. [Washington, D. C.] 1972.
Includes rice.
3093. ISHIBASHI, S., TANAKA, S., and FUKUMOTO, Y. Studies on cooling and cold air drying for grain storage. IV. Aspects of fluiding behaviour and heat transfer in fluidized beds of unhulled rice. (In Japanese) *J. Soc. Agric. Mach. Japan* 36(2):290-297, illus. Ref. Sept. 1974.
English summary.

3094. JOSHI, G. P. Feeding, development and oviposition of Oryzaephilus mercator Fauvel on some rice varieties (Coleoptera: Silvanidae). Appl. Entomol. Zool. 9(3):195-196, illus. Sept. 1974.
3095. JOSHI, G. P. Sex-ratio of Oryzaephilus mercator, Fauvel on different feeds. Curr. Sci. 43(19):618-619, illus. Oct. 5, 1974.
Includes IR-8.
3096. JOSHI, G. P. Toxicity of certain chemicals on Oryzaephilus mercator F. (Coleoptera: Cucujidae). Appl. Entomol. Zool. 9(4):280-281, illus. Dec. 1974.
3097. KAJARAVED, K. Rice insect survey in private and government mill and storages to determine species, quantity of insects and losses caused by them. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 490-493. Bangkok, 1974.
3098. KAJARAVED, K. Study on mass rearing techniques of rice stored insect pests in the laboratory. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p. 485-489, illus. Bangkok, 1974.
3099. KALKAN, M. Studies on the effectiveness of Detia Gas-Ex-B against the granary weevil (Sitophilus granarius L.) rice weevil (Sitophilus oryzae L.) and confused flour beetle (Tribolium confusum Duv.). Zirai Mucadele Arastirma Yilligi (Plant Protect. Res. Annu.) 1973:151.
Turkish text, p.52.
3100. KANSAS STATE UNIVERSITY. FOOD AND FEED GRAIN INSTITUTE. Review of an advance draft: Rice storage, handling and marketing study for the Republic of Indonesia (Economic and Engineering aspects). Manhattan, Kansas, Feb. 1972. Various pagings. (Rep. No.29)
3101. KHARE, B. P., and AGRAWAL, R. K. Effect of non-toxic materials on insect infestation in stored grain. Indian J. Entomol. 34(2):169-172, illus. June 1972.
Effects on rice weevil, Sitophilus oryzae Linn.
3102. KHUSRO, A. M. Buffer stocks and storage of foodgrains in India. New Delhi, Tata McGraw-Hill, 1973. 144 p., illus.
Includes rice.
3103. KIM, H. S., KIM, S. K., and HARN, I. J. Studies on the preservation of Korean rice by gamma-radiation. IV. On the free amino acids contents in gamma-irradiated rice. Korean J. Food Sci. Technol. 3(1):15-18, illus. Ref. 1971.
Korean summary.
3104. KIM, H. S., and KIM, S. K. Studies on the preservation of Korean rice by gamma-radiation. V. Effect of low temperature storage of gamma-irradiated rice. Korean J. Food Sci. Technol. 3(1):19-24, illus. 1971.
Korean summary.
3105. KONAKA, T., HORIBE, K., and HASEGAWA, M. Aerodynamic properties of grains in vacuum pick up device. (In Japanese) J. Soc. Agric. Mach. Japan 36(3):433-439, illus. Dec. 1974.
English summary.
3106. MCGAUGHEY, W. H. Insect development in milled rice: effects of variety, degree of milling, parboiling and broken kernels. J. Stored Prod. Res. 10(2):71-86, illus. Aug. 1974.
3107. MALLIKARJUNA RAO, K., JACOB, S. A., and MOHAN, M. S. Resistance of flexible packaging materials to some important pests of stored products. Indian J. Entomol. 34(2):94-101, illus. June 1972.
Includes pests of stored rice.
3108. MATSUDA, J., and others. A new conditioning method with half-dried rice storage and its effects on rice qualities. I. Qualities of half-dried rice in temporary storage. (In Japanese) J. Soc. Agric. Mach. Japan 35(4):399-405, illus. Ref. Mar. 1974.
K. Ito, Y. Ikeuchi, and T. Yoshida, joint authors.
English summary.
3109. MUTHU, M., and SRINATH, D. Toxicity of methyl iodide to the adults of five beetles from stored products. J. Stored Prod. Res. 10(1):65-66, illus. Ref. Apr. 1974.
Includes Oryzaephilus surinamensis (L.), Rhyzopertha dominica (F.), and Sitophilus oryzae (L.)
3110. NAKANO, N., KUNIMOTO, T., and AIBARA, K. Studies on chemical and biological assays of fusareon-X and diacetoxyscirpenol in cereal grains. (In Japanese) J. Food Hyg. Soc. Japan 14(1):56-64, illus. Feb. 1973.
English summary
3111. NAMIKI, M., and others. An ESR study on free radicals trapped in irradiated foods. (In Japanese) J. Food Sci. Technol. [Japan] 20(10):478-484, illus. Ref. Oct. 1973.
T. Hayashi, K. Kameda, and S. Kawakishi, joint authors.
English summary.

3112. OWENS, T. R., and CARPENTER, J. R. A rice milling-flour milling grain silo storage complex for Danang-CVN. Saigon, USAID, Aug. 1973. 49 p., illus.
Executive summary, 6 p., tables.
3113. PARSONS, R. A., and HENDERSON, S. M. Deep bed storage and drying of smooth hulled rice varieties. *Agron. Notes* Jan./Feb. 1974:23-24.
3114. PERSON, N. K., and SORENSON, J. W. The effects of gaseous nitrogen on emergence of immature stages of rice weevils (*Sitophilus oryzae* L.) in cereal grains. *Ann. Technol. Agric.* 22(3):541-549, illus. 1973.
French and German summaries.
3115. RAGUNATHAN, A. N., SRINATH, D., and MAJUMDER, S. K. Storage fungi associated with rice weevil (*Sitophilus oryzae* L.). *J. Food Sci. Technol.* 11(1):19-22, illus. Jan./Feb. 1974.
3116. RAI, B. K., and CROAL, K. Chemical control of *Sitotroga cerealella* (Olivier) infesting paddy stored in bags. *Indian J. Entomol.* 35(1):57-62, illus. Mar. 1973.
3117. RECOMMENDED methods for the detection and measurement of resistance of agricultural pests to pesticides. 15. Tentative method for adults of some major beetle pests of stored cereals with malathion or lindane. *FAO Plant Protect. Bull.* 22(5/6):127-141, illus. Oct./Dec. 1974.
Includes rice storage pests.
3118. REVIEW of economic and engineering study, rice storage, handling and marketing. The Republic of Indonesia. Manhattan, Kansas, Food & Feed Grain Institute, Kansas State University, Mar. 1973. 35 p. (Rep. No. 35)
3119. ROSSETTO, C. J., PAINTER, H., and WILBUR, D. A. Resistance of varieties of rough rice to *Sitophilus zeamais* Motschulsky (Coleoptera, Curculionidae). *In Proc. Int. Congr. Entomol.*, 13th, Moscow, 1968, Vol. 2, p.381-392. Leningrad, "Nauka", 1971.
3120. SANTHOY, O. Toxicity of six organophosphorus insecticides to a field collected DDT resistant strain of rice weevil, *Sitophilus oryzae* (L) and red flour beetle, *Tribolium castaneum* (Herbst). College, Laguna, 1972. 46 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
3121. SARADAMMA, K., and NAIR, M. R. G. K. Effect of pre-harvest application of insecticides on insect infestation in stored paddy. *Agric. Res. J. Kerala* 11(2):179-189, illus. Sept. 1973.
3122. SARADAMMA, K., SASIDHARAN PILLAI, K., and DAS, N. M. Relative susceptibility of the rice variety 'Rohini' grown under different levels of nitrogen, to the storage pests. *Agric. Res. J. Kerala* 11(2):182-183, illus. Sept. 1973.
3123. SATO, K., and SUWANAI, M. Adsorption of hydrogen phosphide to cereal products. *Appl. Entomol. Zool.* 9(3):127-132, illus. Sept. 1974.
Includes hulled rice.
3124. SAXENA, S. C., and KAUL, S. Free amino acids in the developmental stages of *Oryzaephilus surinamensis* (L.) *Curr. Sci.* 43(23):752-754, illus. Ref. Dec. 5, 1974.
3125. SETHI, G. R., BHATIA, P., and PRASAD, H. H. Estimation of losses of stored grains due to release of sterile adults. *Entomol. Newsl.* 4(5):32. May 1974.
3126. SHAHJAHAN, M. Extent of damage of unhusked stored rice by *Sitotroga cerealella* Oliv. (Lepidoptera, gelechiidae) in Bangladesh. *J. Stored Prod. Res.* 10(1):23-26, illus. Apr. 1974.
3127. SHIBUYA, N., and others. Studies on deterioration of rice during storage. I. Changes of brown rice and milled rice during storage. (In Japanese) *J. Food Sci. Technol. [Japan]* 21(12):597-603, illus. Ref. Dec. 1974.
T. Iwasaki, H. Yanase, and S. Chikubu, joint authors.
English summary.
3128. SITTICHAJ, T. The relation between storing period and rice damage caused by fungi or unfavorable environmental conditions in storages. (In Thai) *In Thailand. Rice Dept. Annual research report*, 1971, p.527-531, illus. Bangkok, 1974.
English summary.
3129. TAKANO, H., and UMEDA, K. Radiation disinfestation of cereal insect. III. Radiosensitivity of *Plodia interpunctella*. (In Japanese) *J. Food Sci. Technol. [Japan]* 21(6):267-272, illus. Ref. June 1974.
English summary.
3130. WALKER, D. J., and BOXALL, R. A. An annotated list of the insects associated with stored products in Ethiopia, including notes on mites found in Harar province. *East Afr. Agric. For. J.* 39(3):330-335, illus. Jan. 1974.
Includes polished rice.

3131. YAGHASHI, R., and others. Storage drying as a drying method of rice. (In Japanese) Tohoku Agric. Res. 15:158-160, illus. Apr. 1974.
H. Ishibashi, I. Sato, and K. Mori-yuki, joint authors.
3132. YANASE, H., and others. Changes of atmosphere and dewing inside of the small scale container for rice storage. (In Japanese) Rep. Natl. Food Res. Inst. [Japan] 29:1-8, illus. Mar. 1974.
M. Niikura, S. Chikubu, and T. Tani, joint authors.
English summary.
3133. YERINGTON, A. P. Rice packaging research. Ricemill News 10(5):53-54. Jan./Feb. 1974.
3134. YOSHIDA, H., and others. Storage system quality change of rice. (In Japanese) J. Niigata Agric. Exp. Stn. 23:18-26, illus. Ref. Mar. 1974.
K. Hasegawa, T. Endo, Y. Takano, and J. Morohashi, joint authors.
English summary.
3135. YOSHIDA, T. Effect of sun-drying on the mortality of immature rice weevils, *Sitophilus zeamais* Motsch. (Coleoptera, Curculionidae). (In Japanese) Sci. Rep. Fac. Agric. Okayama Univ. 43:11-17, illus. Ref. Mar. 1974.
English summary.

TRANSPORTATION AND PROCESSING

3136. ACASIO, U. A. Some factors affecting the efficient burning of rice hull for grain drying purposes. College, Laguna, 1972. 51 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3137. AGRAWAL, K. K., and CHAND, P. Pressure drop across fixed beds of rough rice. Trans. ASAE 17(3):560-563, illus. Ref. May/June 1974.
3138. ALI, N., and PANDYA, A. C. Basic concept of parboiling of paddy. J. Agric. Eng. Res. 19(2):111-115, illus. June 1974.
3139. ALKUINO, J. M. Utilization of improved rice processing facilities in Camarines Sur. College, Laguna, 1974. 198 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
3140. AMLA, B. L. Post-harvest technology of food. In National Symp. on Agricultural Research and Development Since Independence, 1973, p.496-513, illus. New Delhi, Indian Council of Agricultural Research, 1974.
Rice processing, p.501-503.
3141. ARBOLEDA, J. R., MANALO, A. S., and KHAN, A. U. Accelerated drying of paddy. Ann. Technol. Agric. 22(3):257-273, illus. 1973.
French and German summaries.
3142. BABCHENKO, V. D., and MINAEV, V. N. O razdelenii semiyan risa na otrazhatel'nom stole. [On the separation of rice seeds on the reflective table.] Dokl. Vses. Akad. S-kh. Nauk 1:41-43, illus. Jan. 1974.
3143. BAIRD, J. H. Work starts on new Leeton rice mill. Ricemill News 10(6):7. June/July 1974.
3144. BAL, S., and RAMA RAO, V. V. Fuel requirements in rice processing industry. Harvester 15:39-45, illus. 1973.
3145. BAL, S., and OJHA, T. P. Paddy drying. J. Food Mark. Cent. 1(3):143-157, illus. Sept. 1973.
3146. BAN, T. and SUWA, K. Efficient use and maintenance of rice drying machine. (In Japanese) Farming Mech. 2680:9-12. Sept. 1974.
3147. BAN, T. Grain moisture meter and moisture detector for flowing grain. JARQ (Japan Agric. Res. Q.) 8(3):177-182, illus. July 1974.
3148. BAN, T., and SUSAWA, K. Studies on grain moisture content measurements by air oven methods. II. Investigation on the methods without the apparent loss of dry matter. (In Japanese) J. Soc. Agric. Mach. Japan 35(4):406-415, illus. Mar. 1974.
English summary.
3149. BARRE, H. J. A report on paddy conditioning, handling and storage to the Paddy Marketing Board. Colombo, Sri Lanka, 1974. 65 p., illus.

3150. BESWAS, D. K. A solar dryer for small farmers. *Indian Farming* 24(5):21-22, illus. Aug. 1974.
3151. BROOKER, D. B., BAKKER-ARKEEMA, F. W., and HALL, C. W. Drying cereal grains. Westport, Conn., AVI Pub. Co., 1974. 285 p., illus. Ref.
Includes rice.
3152. BULAWIN, C. G. New rice milling process. *Mod. Agric. Ind.* 2(8):37-38. Aug. 1974.
3153. CALDERWOOD, D. L. Effect of rice temperature on continuous flow dryer operation. *In Rice research in Texas, 1971*, p.32-34, illus. Texas Agric. Exp. Stn., Sept. 1972. (Consolidated PR-3092-3105)
3154. CALDERWOOD, D. L. Rice drying and storage studies. *Rice J.* 77(7):68. July 1974.
3155. CHEBOTAREV, O. N., and ILVITSKII, N. A. Kinetika i dinamika obrazovaniya treshchin v zernakh risa pri konvektivno-sushke. [Kinetics and dynamics of formation of rice grain cracks in convection drying.] *Izv. Vyssh. Uchebn. Zaved. Pishch. Tekhnol.* 4:137-138, illus. 1974.
3156. COLLIER, W. A., and others. Choice of technique in rice milling on Java--a comment. *Bull. Indones. Econ. Stud.* 10(1):106-120, illus. Mar. 1974.
J. Colter, Sinarhadi, and R.d'A. Shaw, joint authors.
Reply by C. P. Timmer, p.121-128.
3157. CONILL, A. F. A embalagem plastica na comercializacão do arroz. [Plastic packaging in the commercialization of rice] *Lav. Arroz.* 27(281):30-31, illus. Sept./Oct. 1974.
3158. COVANICH, A. Performance characteristics of three types of laboratory rice mills. College, Laguna, 1972. 52 p., illus.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3159. DE PADUA, D. B. Post-harvest protection and processing of rice. *In Interaction of agriculture with food science; proc. symp.*, p.111-120. Ottawa, Canada, International Development Centre, 1974.
French summary.
3160. DMITRIEVA, E. T., BELAVANTSEVA, G. V., and RAKCHEEVA, T. S. Predotvrashobenie skleivaniya risa pri gidrotermicheskoj obrabotke v proizvodstve pishchevykh konsentratov. [Prevention of rice sticking during hydrothermic processing for food concentrates.] *Tr. Vses. Nauchno-issled. Inst. Konserv. Ovosh. Prom.* 17:63-67, illus. 1973.
3161. FINASSI, A. Proposta di automazione della conduzione di un impianto di essiccamento del riso. [Proposal for automation of the operation of an installation for drying rice.] *MMA (Macch. Mot. Agric.)* 31(12):53-55, illus. Dec. 1973.
3162. FINASSI, A. Proposta di un sistema automatico per il controllo e la conduzione di un essiccatoio statico per riso. [Proposal for an automatic management and control system of a static drying plant for paddy.] *Riso* 23(1):53-58, illus. Mar. 1974.
English summary.
3163. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report to the government of Thailand on food science and technology, based on the work of P. E. Andersen, and others. Rome, 1973. 37 p., illus. (Spec. Ind. Serv. Rep. No.11)
Includes rice processing.
3164. GARIBOLDI, F. Rice milling equipment operation and maintenance. Rome, FAO, 1974. 95 p.
3165. HASHIMOTO, S. Efficient use of rice drying machinery and equipment: program of unhulled rice drying. (In Japanese) *Farming Mech.* 2680:5-8, illus. Sept. 1974.
3166. HOLDER, S. H., MORRISON, W. R., and TRAYLOR, H. D. Economic models for rice mills in the south. *South. Coop. Ser. Bull.* 187, 55 p., illus. June 1974.
3167. HORIUCHI, T., and YAMASHITA, R. Studies on sun drying of rice grains in West Malaysia. *Jap. J. Trop. Agric.* 18(1):4-11, illus. Sept. 1974.
Japanese summary.
3168. INANO, T. Drying method of rice bundle. 3. Occurrence of checked rice by different drying methods. (In Japanese) *Proc. Kinki Symp. Crop Sci. Plant Breed. Soc.* 16:11-18, illus. Mar. 1971.
3169. ITOH, K., and others. Drying of rough rice. I-II. (In Japanese) *J. Soc. Agric. Mach. Japan* 35(4):385-392; 393-398, illus. Mar. 1974.
H. Terao, Y. Ikeuchi, and T. Yoshida, joint authors.
English summary.
I. The relation of drying conditions with the drying rate; II. The relation between drying conditions and rice qualities.

3170. ITOH, K., and others. Drying of rough rice. III. The analysis of tempering effects. (In Japanese) *J. Soc. Agric. Mach. Japan* 36(1):115-125, illus. Ref. June 1974.
H. Terao, Y. Ikeuchi, and T. Yoshida, joint authors.
English summary.
3171. JAPAN MACHINERY EXPORTERS' ASSOCIATION. Guide to Japan's agricultural processing machinery. Tokyo, n.d. 87 p., illus.
3172. KACHRU, P. P. Statics and kinetics of rough rice drying. Mississippi, 1973. 80 p., illus. Ref. Thesis (Ph. D.)--Mississippi State University.
3173. KANATSU, T. Official test of rice dryer in Japan. *JARQ (Japan Agric. Res. Q.)* 8(4):204-208, illus. Oct. 1974.
3174. KASUMI, K. Operation of rice center and development of regional agriculture--a case study in Yasaka-Cho in Kyoto Prefecture. (In Japanese) *J. Rural Probl.* 8(4):22-31, illus. Dec. 1972.
3175. KENNEDY, B. M., SCHEIISTRAETE, M., and DEL ROSARIO, A. R. Chemical, physical, and nutritional properties of high-protein flours and residual kernel from the over-milling of uncoated milled rice. I. Milling procedure and protein, fat, ash, amylose, and starch content. *Cereal Chem.* 51(4):435-448, illus. Ref. July/Aug. 1974.
3176. KHAN, A. U., and others. Accelerated drying of rice using heat-conduction media. *Trans. ASAE* 17(5):949-955, illus. Sept./Oct. 1974.
A. Amilhussin, J. R. Arboleda, A. S. Manalo, and W. J. Chancellor, joint authors.
3177. KIREEV, V. M., and MIL'NIKOV, E. M. Kachestvo risovoi krupy v zavisimosti ot rezhima gidrotermicheskoi obrabotki zerna. [Quality of rice groats in relation to the hybrid thermal treatment process for grain.] *Izv. Vyssh. Ucheb. Zaved. Pishch. Tekhnol.* 1:58-60, illus. 1974.
3178. KONAKA, T., NAGAI, H., and NORO, S. Sequential control simulator of the rice center. (In Japanese) *Bull. Fac. Agric. Mie Univ.* 46:245-259, illus. Jan. 1974.
English summary.
3179. KOZMINA, E. P., SAKHAROV, E. V., and TROITSKAYA, E. YA. Issledovanie vnutrennego vlagoraspredeleniya v risovoi krupe pri vodno-tep'lovoi obrabotke. [Internal moisture distribution in rice groats during hydrothermal treatment.] *Izv. Vyssh. Ucheb. Zaved. Pishch. Tekhnol.* 2:52-55, illus. 1974.
3180. KUNZE, O. R., and CHOUDHURY, M. S. Effects of moisture adsorption on tensile strength of rice. *In Rice research in Texas, 1971*, p.34-37, illus. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)
3181. KUPPUSWAMY, M. Application of Bessel's functions to rice-drying problems. *In National Symp. on Agricultural Research and Development Since Independence, 1973*, p.534-538. New Delhi, Indian Council of Agricultural Research, 1974.
3182. KUPPUSWAMY, M., and RAMAKRISHNA RAO, M. Application of linear programming for the selection and economic operation of rice mills. *Agric. Situat. India* 29(5):289-293, illus. Aug. 1974.
3183. LEQUERICA, J. L., FLORS, A., and CERNI, R. Estudio del secado de arroz sancochado por la tecnica de fluidificación. [Fluidized bed drying of parboiled rice.] *Rev. Agroquim. Technol. Aliment.* 14(3):439-450, illus. Ref. Sept. 1974.
3184. MONTAÑEZ, A. T. Efecto de la temperatura sobre la apariencia del arroz molinado. [Effect of temperature on the appearance of milled rice.] *In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974*, p.14-18, illus.
Includes discussion.
3185. MORI, K. Technique of moisture measurement of rice grain. (In Japanese) *Farming Mech.* 2680:13-14, illus. Sept. 1974.
3186. MORIYUKI, K., and others. Screening of brown rice by rice sorter with rolling screen. (In Japanese) *Bull. Aomori Agric. Exp. Stn.* 19:49-50, illus. Mar. 1974.
R. Yagihashi, H. Ishibashi, and I. Sato, joint authors.
3187. MOTA, T. P. Indústria de descasque de arroz em Moçambique. [Rice milling in Mozambique.] *Agron. Moçamb.* 8(2):79-91, illus. Apr.-June 1974.
English and French summaries.
3188. NAKAE, K., and KIKUCHI, H. A technical study on rice drying and storage by round-shaped shed for bin drying. (In Japanese) *Bull. Tohoku Natl. Agric. Exp. Stn.* 49:123-206, illus. Ref. Mar. 1974.
English summary.
3189. NOVOSOLOV, S., ORLOVA, Z., and ALEKSEEVA, L. Predel'no dopustimaya temperatura nagreva risa-zerna pri sushke. [Limits of temperature allowed in heating rice grain during drying.] *Mukomol'no-Elevat. Prom-st.* 2:18-19, illus. Feb. 1974.

3190. ONI, S. A., and OLAYEMI, J. K. The economics of rice milling in Kwara and north-western states of Nigeria: a comparative analysis. (Paper presented at the WARDA Seminar on Socio-Economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 27 p., illus.
3191. OSIFO, D. E., and TEMPELMAN, A. The economics of processing paddy rice at Ilushi, Mid-western Nigeria. *Niger. Agric. J.* 8(2):155-162, illus. 1971.
3192. PADUA, A. B., and JULIANO, B. O. Effect of parboiling on thiamin, protein and fat of rice. *J. Sci. Food Agric.* 25(6):697-701, illus. Ref. June 1974.
3193. PARKER, R. E. Virtues of a modernized rice processing system for the West African region. (Paper presented at the WARDA Seminar on Socio-economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 12 p.
3194. PRAKASH, S. S., BISWAS, D. K., and SIROHI, B. S. Drying 'Padma' rice with heated air in a batch-dryer. *Indian J. Agric. Sci.* 43(4):341-343, illus. Apr. 1973.
3195. RICE PROCESS ENGINEERING CENTRE, INDIA. Research summaries (1970-1974). Kharagpur, May 1974. 148 p. illus.
3196. RICHTLINE für die herstellung und das inverkehrbringen von Reis und Bruchreis. [Guideline for the processing and marketing of rice and broken rice.] *Schriftenr. Bund Lebensmittelkunde* 74:13 p. 1973.
3197. ROZEBOOM, H. P., and PARKER, R. E. Economics of small-scale rice mills. (Paper presented at the WARDA Seminar on Socio-economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 16 p., illus.
3198. RUTLEDGE, J. E., ISLAM, M. N., and JAMES, W. H. Improved canning stability of parboiled rice through cross-linking. *Cereal Chem.* 51(1):46-51, illus. Jan./Feb. 1974.
3199. SHAW, D. L. Costs of building and operating rice drying and storage facilities in California, 1973. U.S.D.A. Econ. Res. Serv. Agric. Econ. Rep. 273, 69 p., illus. Dec. 1974.
3200. SHCHERBAKOV, V. G., DAVIDENKO, E. K., and PRUDNIKOVA, T. N. *Izmenenie lipidnogo kompleksa zernovki risa pri tenlovoi sushke.* [Change in a lipid complex of rice caryopsis during heat drying.] *Izv. Vyssh. Ucheb. Zaved. Pishch. Tekhnol.* 2:48-51, illus. 1974.
3201. SHINBORI, F. Drying method of high moisture rice and eating quality. (In Japanese) *Agric. Hortic.* 49(7):878-882, illus. Ref. July 1974.
3202. SHIVANNA, C. S. Economics of pressure parboiling of paddy. *J. Food Sci. Technol.* 11(6):286-287, illus. Nov./Dec. 1974.
3203. SORENSON, O. A review of rice drying and storage problems in Ecuador. Manhattan, Kansas, Food & Feed Grain Institute, Kansas State University, 1970. 1 v. (various pagings)
3204. SRINIVAS, T., and DESIKACHAR, H. S. R. Removal of bran and aleurone layers at different points on the surface of rice grain during progressive polishing. *J. Food Sci. Technol.* 11(2):83-84, illus. Mar./Apr. 1974.
3205. STIPE, D. R., WRATTEN, F. T., and MILLER, M. F. Effects of steaming, drying, and tempering conditions on mill yields of rough rice. *Annu. Prog. Rep. La. Rice Exp. Sta.* 66th:78-95, illus. 1974.
3206. STIPE, D. R., and MILLER, M. F. Rice drying and processing. *Rice J.* 77(7):55-56. July 1974.
3207. STIPE, D. R., WRATTEN, F. T., and MILLER, M. F. Rice drying and processing. *Annu. Prog. Rep. La. Rice Exp. Sta.* 65th:95-112, illus. 1973.
3208. SUBRAMANYAN, V. Advances and perspectives in paddy processing. In *National Symp. on Agricultural Research and Development Since Independence, 1973*, p.473-490, illus. New Delhi, Indian Council of Agricultural Research, 1974.
3209. TAKEO, S. Rice drying and taste of rice. (In Japanese) *Farming Mech.* 2889:19. Sept. 1974.
3210. TANAKA, M. Studies on preserved drying method of unhulled rice. (In Japanese) *Bull. Mie Agric. Tech. Cent.* 1:27-40, illus. Mar. 1972.
3211. UICHANCO, V. A. Determination of optimum design parameters of rotary screen cleaner using dimensional analysis. College, Laguna, 1971. 61 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
3212. VAN RUITEN, H. The milling of paddy. I-II. Los Baños, Dec. 1974. 2 v., illus. (FAO/UNDP project)
3213. VAN RUITEN, H. Operation and maintenance manual for the rice mill training laboratory. Los Baños, n.d. 1 v. (various pagings) (FAO/UNDP project)

3214. WEBB, B. D. Laboratory instruments for evaluating rice milling quality. *Rice J.* 77(7):71-72, illus. July 1974.
3215. WIMBERLEY, J. E. Modern approach to paddy post-production technology. (Paper presented at the Egyptian Rice Conference, Cairo, 1974) 6 p.
3216. WORENSEN, J. W., CHILDERS, R., and STERMER, R. A. Evaluation of laboratory shellers for removal of husk from rough rice. *In Rice research in Texas*, 1971, p.39-44, illus. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)
3217. YAMAZAWA, S., YOSHIKAWA, S., and MAEKAWA, T. Characteristics of a continuous flow conveyer for cereal grains. (In Japanese) *J. Soc. Agric. Mach. Japan* 36(1):97-101, illus. June 1974.
English summary.
3218. YANO, K. Examination on the effect of rice mixture milling. (In Japanese) *J. Niigata Agric. Exp. Stn.* 23:1-8, illus. Ref. Mar. 1974.
English summary.

QUALITY AND GRADING

3219. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Mission report to the Danish International Development Agency on a task force for rice grading, storage and processing in Nepal. Rome, 1973. 45 p., illus.
3220. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Recommended model grading system for rice in international trade. Rev. Rome, 1972. 13 p.
3221. JULIANO, B. O. Rice quality. *In Working Papers*, Australian Rice Research Conference, Leeton, New South Wales, Feb. 1972, p.6(a)-1-6(a)-7.
3222. KUNITAKE, M. Problems of rice quality. 11. Improvement of rice production in Niigata Prefecture. (In Japanese) *Nogyo Gijutsu* 29(4):145-151, illus. Apr. 1974.
3223. LEGE, E. J., SKEELS, B. T., and MARTIN, T. E. Field report - Rice Grading Team, Rice Marketing Development Project, Liberia, August 15 - October 11, 1972. Washington, D.C., U.S. Dept. Agr., Econ. Res. Serv., n.d. 10 p.
3224. MIURA, S. Problems of rice quality. 14. Past and future of quality improvement of rice produced in Miyagi Prefecture. (In Japanese) *Nogyo Gijutsu* 29(7):289-292, illus. July 1974.
3225. NAGATO, K., SUZUKI, S., and SADO, T. On the whiteness of rice grains. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(4):550-556, illus. Dec. 1974.
English summary.
3226. ONUMA, W. Problems of rice quality. 13. Past and future of quality improvement of rice produced in Yamanashi Prefecture. (In Japanese) *Nogyo Gijutsu* 29(8):247-253, illus. June 1974.
3227. OTA, I. Quality inspection of hulled rice by soft X-ray irradiation. 1-2. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 70:73-76; 77-82, illus. July 1974.
1. Irradiated conditions and tracing patterns of hulled rice; 2. Space in hulled rice and quality.
3228. OTA, I. Quality inspection of hulled rice by soft X-ray irradiation. 3-4. (In Japanese) *Rep. Tokai Br. Crop Sci. Soc. Japan* 71:5-9; 11-13, illus. Nov. 1974.
3. Contrast in projection chart of husked rice and rice quality; 4. Ratio of space between grain and lemma to the space between grain and palea, and rice quality.
3229. PRIESTLEY, R. J., and BIRCH, G. G. An alternative to the alkali test for assessing the quality of milled rice. *Lebensmittel-Wiss. Technol.* 6(6):224-226, illus. 1973.
3230. SHIBATA, K. Problems of rice quality. 12. Improvement of rice production in Hokkaido. (In Japanese) *Nogyo Gijutsu* 29(5):199-204, illus. May 1974.
3231. STERMER, R. A., and BEERWINKLE, K. R. Calibration of indent-plate rice sizer. *In Rice research in Texas*, 1971, p.38-39. *Texas Agric. Exp. Stn.*, Sept. 1972. (Consolidated PR-3092-3105)
3232. THET ZIN, U. Standardization and grading of padi in Malaysia. Serdang, Food Technology and Development Centre, Feb. 1970. 29 p., tables.
3233. YAMAGUCHI, K. Problems of rice quality. 15. Past and future of quality improvement of rice produced in Akita Prefecture. (In Japanese) *Nogyo Gijutsu* 29(8):342-346, illus. Aug. 1974.

3234. YARIMIZU, S., HASHIMOTO, S., and ASANO, K. Characteristics of cylindrical rice grader. (In Japanese) *Tohoku Agric. Res.* 15:93-97, illus. Apr. 1974.

UTILIZATION

Rice as Food

Analysis and Composition, Properties, and Nutritive Value of the Rice Grain

3235. AHMAD, M., HUSSAIN, A., and HAIDER, F. G. Effect of gamma radiation on the physicochemical, cooking and organoleptic characteristics of rice. *Pak. J. Sci. Ind. Res.* 17(4/5):139-143, illus. Ref. Aug./Oct. 1974.
3236. AHMAD, M., HAIDER, F. G., and ALI, A. Physicochemical characteristics of some rice varieties grown in Pakistan. *Agric. Pak.* 25(2):67-72, illus. Ref. June 1974.
3237. ANDO, T., and ICHIKAWA, K. An examination of the endosperm structure of rice grain with a transmission and a scanning electron microscope. (In Japanese) *J. Ferment. Technol.* 52(1):43-57, illus. Ref. 1974.
English summary.
3238. ARROYO, P. T. The science of Philippine foods. 1st ed. Quezon City, Philippines, Abaniko Enterprises, 1973. 321 p., illus. Ref.
Rice, p. 39-62.
3239. ASANO, J., and TOKUNAGA, Y. The simple estimation methods of cadmium concentration in brown rice. (In Japanese) *Bull. Tokai-Kinki Natl. Agric. Exp. Stn.* 26:55-65, illus. Ref. Mar. 1974.
English summary.
3240. BAETZ, R. A., and KENNER, C. T. Determination of low levels of cadmium in foods using a chelating ion exchange resin. *J. Assoc. Off. Anal. Chem.* 57(1):14-17, illus. Ref. Jan. 1974.
Includes rice.
3241. BALDI, G., and others. Composizione chimica e caratteristiche qualitative delle principali varietà Italiane di riso. [Chemical composition and quality of Italian rice varieties.] *Riso* 23(Spec. No.):3-20, illus. Ref. n.d.
R. Malagoni, E. Pela, and F. Ranghino, joint authors.
English summary.
3242. BOLLING, H., and others. Evaluation of some physicochemical characteristics of rice varieties grown in Turkey as related to their cooking quality. *Riso* 23(4):399-403, illus. Dec. 1974.
G. Hampel, A. W. El Baya, and N. Isik, joint authors.
Italian summary.
3243. EFFECTS of protein content on the distribution and properties of rice protein. *Nutr. Rev.* 32(3):85-86. Mar. 1974.
3244. ERMAN, A. S., and ANIKANNOVA, Z. F. Analiz zerna risa no mikronaveskam. [Analysis of rice grain with microscopes.] *Sel. Semenovod.* 4:36-38. July/Aug. 1974.
3245. FERRETTI, R. J., and LEVANDER, O. A. Effect of milling and processing on the selenium content of grains and cereal products. *J. Agric. Food Chem.* 22(6):1049-1051, illus. Ref. Nov./Dec. 1974.
Includes rice.
3246. FILHO, F. P., GERMANY, C. J., and MELO, G. S. Inativação da lipase do farelo de arroz. [Inactivation of lipase of rice bran.] *Lav. Arroz.* 27(280):4-11, illus. Ref. July/Aug. 1974.
3247. FUSSELLO, N. Contenuto di triptofano in alcune varietà di riso. [Tryptophan content of some varieties of rice.] *Inf. Bot. Ital.* 5(3):261-263, illus. Sept./Dec. 1973.
English summary.
3248. FUJINO, Y., SAKATA, S., and NAKANO, M. Cerebroside in rice grain. *J. Food Sci.* 30(3):471-473, illus. Ref. May/June 1974.
3249. FUKUHARA, K., TAKEDA, M., and TANABE, H. Studies on analysis of pesticide residues in foods. XIII. Analytical method of organophosphorus insecticide residues in agricultural products. (In Japanese) *J. Food Hyg. Soc. Japan* 14(6):524-529, illus. Dec. 1973.
English summary.

3250. HEGSTED, D. M., and JULIANO, B. O. Difficulties in assessing the nutritional quality of rice protein. *J. Nutr.* 104 (6):772-781, illus. Ref. June 1974.
3251. INTERNATIONAL RICE RESEARCH INSTITUTE. DEPT. OF CEREAL CHEMISTRY. Cereal chemistry procedures. Los Baños, Laguna, 1974. 165, ix p.
3252. INTERNATIONAL RICE RESEARCH INSTITUTE. DEPT. OF CEREAL CHEMISTRY. Improvement of the protein content of rice. Los Baños, Laguna, 1974. 17 p., tables, figs.
3253. SLAM, M. N., RUTLEDGE, J. E., and JAMES, W. H. Influence of rice crystallinity on cross-linking. *Cereal Chem.* 51(1):51-56, illus. Jan./Feb. 1974.
3254. KIM, S. K., LEE, K. Y., and LEE, S. R. Studies on the wholesomeness of gamma-irradiated rice. II. On the weight gain, reproduction ratio, mortality and growth rate after weaning of mice. (In Korean) *Korean J. Food Sci. Technol.* 5(3):149-152, illus. 1973.
English summary.
3255. KONDO, Y., ITO, S., and FUJINO, Y. Sulfoquinovosyldiglyceride and triglycosyldiglyceride in rice grains. *Agriol. Biol. Chem.* 33(12):2549-2552, illus. Ref. Dec. 1974.
3256. KONGSEREE, N. Physicochemical properties of the rice grain and starch of selected lines differing in amylose content and gelatinization temperature. College, Laguna, 1971. 69 p., illus. Ref.
Thesis (M.S.)--College of Agriculture. University of the Philippines.
3257. KURASAWA, H., and others. Studies on the eating quality of non-glutinous rice produced in Niigata prefecture. 15. Physicochemical properties of glutinous rice starch and sticky and less-sticky non-glutinous rice starches. (In Japanese) *Niigata Agric. Sci.* 26:77-87, illus. Mar. 1974.
Y. Kanauchi, H. Sakai, T. Takahashi, T. Hayakawa, and I. Igane, joint authors.
3258. KUSHIZAKI, M. Results of examination on present situation of total mercury contents in rice grains by means of high sensitivity mercury analyzer (Shimadzu UV-201). (In Japanese) *J. Sci. Soil Manure Japan* 45(11):536-538, illus. Nov. 1974.
3259. MEHROTRA, O. N., and others. Quality characteristics of rice grain of some new strains of Uttar Pradesh. *Indian J. Agric. Chem.* 6(2):73-78, illus. Ref. Dec. 1973.
A. B. Abidi, G. P. Srivastava, and R. D. Tripathi, joint authors.
3260. MERTZ, E. T., MSRA, P. S., and JAMBUNATHAN, R. Rapid ninhydrin color test for screening high-lysine mutants of maize, sorghum, barley, and other cereal grains. *Cereal Chem.* 51(2):304-307, illus. Mar./Apr. 1974.
3261. MITSUDA, H., and MITSUNAGA, T. A convenient method for rapid determination of cereal proteins: a device to eliminate the effect of color substances on the biuret procedure. *Agric. Biol. Chem.* 33(11):2265-2266, illus. Nov. 1974.
3262. MITSUDA, H., TOMIYAMA, S., and DEURA, H. Removal of cadmium in rice grain by use of sulfonate-type-surfactants. (In Japanese) *J. Jap. Soc. Food Nutr.* 27(3):125-131, illus. Ref. 1974.
English summary.
3263. MONTAÑEZ, A. T. Determinación del contenido de amilosa en líneas y variedades de arroz. [Determination of amylose content in lines and varieties of rice.] In *Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunión anual del Programa Nacional de Arroz*, 1974, p.22-23.
3264. PARK, H., CHUN, J. K., and CHO, I. H. Free amino acids of brown rice in relation to specific gravity grade. (In Korean) *J. Korean Agric. Chem. Soc.* 15(1):35-40, illus. Ref. Apr. 1972.
English summary.
3265. PARK, H., and LEE, C. Y. A new approach in analysis of the factors affecting the chemical components in brown rice. *J. Korean Agric. Chem. Soc.* 14(1):103-107, illus. Apr. 1971.
Korean summary.
3266. PARK, S. H. Comparative studies on the analysis of pesticide residues in rice, barley and wheat. (In Korean) *Korean J. Plant Protect.* 13(4):235-243, illus. Ref. Dec. 1974.
English summary.
3267. PATRICK, R. M., and others. Protein and amino acid content of rice as affected by application of nitrogen fertilizer. *Cereal Chem.* 51(1):84-95, illus. Ref. Jan./Feb. 1974.
F. H. Hoskins, E. Wilson, and F. J. Peterson, joint authors.
3268. RANGASWAMY, J. R., and MAJUMDER, S. K. Colorimetric method for estimation of carbaryl and its residues on grains. *J. Assoc. Off. Anal. Chem.* 57(3):592-594, illus. May 1974.
Includes rice.

3269. SHCHERBAKOV, V. G., and others. Metodika vydeleniya belkovykh tel endosperma risa. [Isolation of rice endosperm protein substances.] *Izv. Vyssh. Ucheb. Zaved. Pishch. Tekhnol.* 6:126-129, illus. Ref. 1973.
D. I. Ivanova, S. A. Fedorova, and N. V. Ekdakov, joint authors.
3270. TAKAGI, Y., and TANIDA, K. On the pretreatment for photometric determination of carbaryl in unpolished rice. (In Japanese) *J. Food Hyg. Soc. Japan* 14(5):482-485, illus. Nov. 1973.
English summary.
3271. TAKEDA, M., and others. Studies on analysis of pesticide residues in foods. X. Analytical method of residues of carbaryl in agricultural products. (In Japanese) *J. Food Hyg. Soc. Japan* 14(5):467-473, illus. Oct. 1973.
H. Sekita, K. Otsuki, C. Takamatsu, and H. Tanabe, joint authors.
English summary.
3272. TAKEDA, M., and others. Studies on the analysis of pesticide residues in foods. XI. Influence of the degree of powdering on the extraction of organochlorine pesticides from cereals and beans. (In Japanese) *J. Food Hyg. Soc. Japan* 14(6):569-573, illus. Dec. 1973.
H. Sekita, K. Otsuki, H. Tanabe, Y. Kawai, Y. Mishima, K. Kogo, and Y. Katayama, joint authors.
English summary.
3273. TOMITA, T. Chemical diagnosis of rice and measures for improvement of eating quality. 1-2. (In Japanese) *Agric. Hortic.* 49(2):205-298; (3):331-384, illus. Ref. Feb.-Mar. 1974.
3274. TOMITA, T., NAMIOKA, M., and NAGAO, T. Crop diagnostic study and its application. Diagnostic study on chemical characteristics of rice to improve the taste. (In Japanese) *Proc. Crop Sci. Soc. Japan* 43(4):469-474, illus. Dec. 1974.
English summary.
3275. UEJI, M., and KANAZAWA, J. Method for the residue determination of carbamate pesticides in crops. *JARQ (Japan Agric. Res. Q.)* 8(2):67-71, illus. Ref. Apr. 1974.
In unpolished rice grain and rice straw.
3276. UTSUNOMIYA, H., YAMAGATA, M., and DOI, Y. Scanning electron microscopy of the endosperm of cereal crops. 2. Starch cell layer of japonica type rice, non-glutinous. (In Japanese) *Bull. Fac. Agric. Yamaguti Univ.* 25:891-903, illus. Ref. 1974.
English summary.
3277. YOUSSEF, A. M., EL-FOULY, M. M., and EL-BAZ, F. K. Isolation and chemical composition of protein concentrates from soya-bean, rice-bran and protelan. *Qualit. Plant.* 24(1/2):71-84, illus. Ref. Dec. 20, 1974.
German summary.

Rice Diets and Supplements

3278. CLARK, H. E., and others. Nitrogen balances of adult human subjects fed combinations of wheat, beans, corn, milk, and rice. *Am. J. Clin. Nutr.* 26(7):702-706, illus. Ref. July 1973.
J. L. Malzer, H. M. Onderka, J. M. Howe, and W. H. Moon, joint authors.
3279. DANIEL, V. A., and others. Supplementary relations between the proteins of bengal gram, rice and ragi (Eleusine coracana). *Indian J. Nutr. Diet.* 11(3):137-143, illus. May 1974.
S. Kurien, D. Narayanaswamy, and M. Swaminathan, joint authors.
3280. NARAYANASWAMY, D., and others. Supplementary value of protein enriched cereal foods containing varying amounts of proteins to poor rice and ragi diets. *Indian J. Nutr. Diet.* 11(2):72-76, illus. Mar. 1974.
V. A. Dantei, S. Kurien, D. Rajalakshmi, M. Swaminathan, and H. A. B. Parpia, joint authors.
3281. PHADNIS, A. D., and SOHONIE, K. The study of calcium and phosphorus metabolism of rats fed paddy diets by balance sheet method and bone ash analysis. IV. *Indian J. Nutr. Diet.* 11(6):342-349, illus. Ref. Nov. 1974.
3282. RAMASASTRI, B. V. Improving the nutritive value of diets through fortification of accessory foods. *Indian J. Nutr. Diet.* 11(4):213-216, illus. July 1974.
3283. YANG, T. H., and others. Evaluation of a predominantly rice diet in human adults. *Mem. Coll. Agric. Natl. Taiwan Univ.* 15(2):1-12, illus. Ref. Dec. 1974.
Y. C. Tsai, C. T. Sheu, C. K. Chong, S. M. Lin, C. C. Lu, K. S. K. Chinn, and R. Q. Blackwell, joint authors.
Chinese summary.

Enrichment

3284. HARADA, Y. L-lysine fortification of cereals. In Report on Protein Food Promotion, Bangkok, Kasetsart University, 1970. [18 p.]
3285. MITSUDA, H., and YASUMOTO, K. The amino acid fortification of intact cereal grains. In New protein foods. Vol. 1A, p.121-154, illus. Ref. New York, Academic Press, 1974.
Includes rice.
3286. NATIONAL RESEARCH COUNCIL. FOOD AND NUTRITION BOARD. Proposed fortification policy for cereal-grain products. Washington, D. C., 1974. 38 p., illus. Ref.
Rice fortification, p.31-33.
3287. ROSENFELD, D., and BERTSON, B. L. Economics and technology of cereal fortification. In Symp.: Seed Proteins, p.5-18, illus. Ref. Westport, Conn., AVI Pub. Co., 1972.
Includes rice.

Cooking and Cooking Quality

3288. BALAKRISHNA PILLAI, P., and VIJAYAN, P. K. Volume expansion of rice varieties on cooking. Agrio. Res. J. Kerala 11(2):170-171, illus. Sept. 1973.
3289. CHOI, H. O., and others. Studies on rice quality. Relationship between amylose content and palatability in rice. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Crop):41-45, illus. Ref. Aug. 1974.
S. H. Bae, R. K. Park, J. H. Lee, and S. J. Choi, joint authors.
English summary.
3290. ISHIMA, T., and others. Effect of nitrogenous fertilizer application and protein content in milled rice on organoleptic quality of cooked rice. (In Japanese) Rep. Natl. Food Res. Inst. [Japan] 29:9-15, illus. Mar. 1974.
H. Taira, H. Taira, and K. Mikoshiba, joint authors.
English summary.
3291. KANEMITSU, T., and MIYAGAWA, K. Calorimetric studies on swelling of rice. I. Swelling of rice grain and rice powder. Cereal Chem. 51(3):335-341, illus. May/June 1974.
3292. NAKANO, K., KUWANO, S., and FUTATUGI, E. On the taste for the cooked rice by several kinds of cookers. (In Japanese) Sci. Human Life 10(1):58-80, illus. Ref. Jan. 1974.
English summary.
3293. ONO F., and DAIMATSU, T. The effect of cooking on the sodium and potassium content in foods. I. Changes in the sodium and potassium content of rice caused by polishing and washing. (In Japanese) Jap. J. Nutr. 32(1):19-23, illus. Jan. 1974.
English summary.
3294. SCHUTZ, H. G., and DAMRELL, J. D. Prediction of hedonic ratings of rice by sensory analysis. J. Food Sci. 39(1):203-206, illus. Jan./Feb. 1974.
3295. SONE, T. Consistency of foodstuffs. Dordrecht-Holland, D. Reidel Pub. Co., 1972. 188 p., illus. Ref.
Rice and boiled rice, p.110-112.
3296. SRINIVAS, T., LAKSHMI, T. K., and DESIKACHAR, H. S. R. Varietal differences in puffing quality of paddy. J. Food Sci. Technol. 11(3):134-135, illus. May/June 1974.

Special Food Products

3297. JAYARAMAN, K. S., and others. Compressed ready-to-eat fruited cereals. J. Food Sci. Technol. 11(4):181-185, illus. July/Aug. 1974.
T. Goverdhan, R. Sankaran, B. S. Bhatia, and H. Nath, joint authors.
3298. KENNEDY, B. M., and SCHELSTRAETE, M. Chemical, physical, and nutritional properties of high-protein flours and residual kernel from the overmilling of uncoated milled rice. II. Amino acid composition and biological evaluation of the protein. Cereal Chem. 51(4):448-457, illus. July/Aug. 1974.

3299. NARASHIMA, H. V., and others. Suitability of raw and steamed cereal grains for making deep fried preparations. *J. Food Sci. Technol.* 11(2):76-78, illus. Mar./Apr. 1974.
T. K. Ananthachar, M. S. Gopal, and H. S. R. Desikachar, joint authors.
3300. SANCHEZ, P. C. Varietal influence on the quality of Philippine fermented rice cake (puto). *In Proc. of the Fifth Scientific Meeting, Crop Science Society of the Philippines, Naga City, 1974*, p.270-274, illus.
3301. SCHUTZ, H. G., and FRIDGEN, J. D. Consumer preference research on rice: ranking descriptions for improved products. *Food Prod. Dev.* 8(1):75-78, illus. Ref. Feb. 1974.
3302. TONGANANTA, Q. Studies on the Philippine fermented rice cake (puto). College, Laguna, 1971. 82 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.

By-products and Non-food Utilizations

3303. ANDO, T., and ICHIKAWA, K. Investigation of physical properties of rice for saké brewing with texturometer. (In Japanese) *J. Ferment. Technol.* 51(9):683-691, illus. Ref. 1973.
English summary.
3304. BARBER, S., and BENEDITO DE BARBER, C. Basic and applied research needs for optimizing utilization of rice bran as food and feed. (Paper presented at the Rice By-Products Utilization International Conf., Spain, 1974) 42, viii p., tables, figs.
3305. BEAGLE, E. C. Basic and applied research needs for optimizing utilization of rice husk. (Paper presented at the Rice By-Products Utilization International Conf., Spain, 1974) 28 p.
3306. BIRCH, G. G., and others. The molecular basis of starch technology in new food products. *In Molecular structure and function of food carbohydrate*, p.195-207, illus. Ref. New York, Wiley, 1973.
J. G. Brennan, R. J. Priestley, and G. Sodah-Ayernor, joint authors.
Measurement of molecular changes during gelatinisation of rice, p.196-200.
3307. CALVET, H., and others. La paille de riz dans l'alimentation au Senegal. [Rice straw as a feed for cattle in Senegal.] I-II. *Rev. Elev. Med. Vet. Pays Trop. New Ser.* 7(2):207-221; (3):347-382, illus. Ref. 1974.
J. Valenza, R. Bourdegues, S. Diallo, D. Friot, and J. Chambon, joint authors.
English summaries.
I. Bromatological analysis--in vivo and in vitro digestibility, nitrogenous and mineral balances; II. Rumen biochemistry, intensive fattening, conclusions.
3308. CASTILLO, L. S., and others. Rice middlings, opaque-2 corn, and normal corn in swine rations. *In U.P. at Los Baños, College of Agriculture. Dept. of Animal Science. Rice middlings, opaque-2 corn, normal corn, and other carbohydrates in livestock and poultry rations*, p.26-37, illus. College, Laguna, 1974.
A. L. Gerpacio, C. C. Custodio, D. B. Roxas, N. M. Uichanco, N. P. Roxas, V. G. Argafosa, and F. C. Argafosa, joint authors.
3309. CASTILLO, L. S., and others. Rice middlings or opaque-2 corn as energy source in practical broiler rations. *In U.P. at Los Baños. College of Agriculture. Dept. of Animal Science. Rice middlings, opaque-2 corn, normal corn, and other carbohydrates in livestock and poultry rations*, p.1-11, illus. College, Laguna, 1974.
A. L. Gerpacio, N. M. Uichanco, N. P. Roxas, and D. B. Roxas, joint authors.
3310. CENTRAL AGRICULTURAL EXPERIMENT STATION, JAPAN. Studies on making of baled fresh rice straw silage and its use. (In Japanese) *J. Cent. Agric. Exp. Stn. [Japan]* 20:195-233, illus. Ref. Mar. 1974.
English summary.
3311. DESIKACHAR, H. S. R. Preservation of byproducts of rice milling. (Paper presented at the Rice By-Products Utilization International Conf., Spain, 1974) 11 p., tables, figs. Ref.
3312. DIMOPOULOS, J. S. Analysis of the main constituents of bran and polishings of raw and parboiled rice. (In Greek) *Chem. Chron. Genike Ekdosis* 38(8/9):178-181, illus. Ref. 1973.
English summary.
3313. DUMLAO, C. T. Improving the feeding value of rice straw by calcium oxide treatment. College, Laguna, 1974. 99 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.

3314. EBINE, H., ITO, H., and MATSUURA, M. Discrimination of commercial fermented vinegars and synthetic acetate. I. A simple discrimination by fluorescent method. (In Japanese) Rep. Natl. Food Res. Inst. [Japan] 29-35-41, illus. Ref. Mar. 1974.
English summary.
Includes rice vinegars.
3315. EL SAADANY, R. M. A., EL SAADANY, F. M., and FODA, Y. H. Modification of rice starch by gamma irradiation to produce soluble starch of low viscosity for industrial purposes. Stärke 26(12):422-425, illus. Ref. Dec. 1974.
German and French summaries.
3316. FAHMY, Y. A., MANSOUR, O. Y., and EL-DIEN, M. S. Structure of alkali hemilignins isolated by short and long cooking cycles from rice straw and its leaves. Indian Pulp Pap. 27(10):11-15. Ref. Apr. 1973.
3317. FILHO, F. P., and MELO, G. S. Desceramento do óleo de farelo de arroz. [Extraction of rice bran oil.] Lav. Arroz. 27(282):8-11. Nov./Dec. 1974.
3318. FILHO, F. P., and MELO, G. S. Refinação do óleo de farelo de arroz. [Refining of rice bran oil.] Lav. Arroz. 27(281):23-28, illus. Ref. Sept./Oct. 1974.
3319. GERPACIO, A. L., and others. The nutritive value of different kinds of rice brans for broilers. In U. P. at Los Baños. College of Agriculture. Dept. of Animal Science. Rice middlings, opaque-2 corn, normal corn, and other carbohydrates in livestock and poultry rations, p.12-18, illus. College, Laguna, 1974.
L. S. Castillo, N. M. Uichanco, N. P. Roxas, D. B. Roxas, and C. C. Custodio, joint authors.
3320. GOERING, K. J., FRITTS, D. H., and ALEN, K. G. D. A comparison of loss of birefringence with the percent gelatinization and viscosity on potato, wheat, rice, corn, cow cockle, and several barley starches. Cereal Chem. 51(6):764-771, illus. Ref. Nov./Dec. 1974.
3321. GONZALEZ, C. T., and others. Utilización del hidroxitolueno butilado en la conservación del polvo de arroz en dietas para pollos de ceba. [Utilization of butyl hydroxitoluene in the conservation of rice powder in the diets for fattening chickens.] Rev. Cubana Cienc. Agric. 6(3):363-366, illus. Nov. 1972.
A. J. Fernandez, R. Rodriguez, and E. I. Salcedo, joint authors.
3322. HAN, Y. W., and ANDERSON, A. W. The problem of rice straw waste - a possible feed through fermentation. Econ. Bot. 28(3):338-344, illus. Ref. July/Sept. 1974.
3323. HASEKURA, S., and others. Studies on improving the quality of rice bran mash. 10. Application of riboflavin-producing lactic acid bacteria and proteases to the rice bran mash. (In Japanese) Sci. Human Life 9(2):76-89, illus. 1972.
K. Hayashida, K. Ono, and M. Nozaki, joint authors.
English summary.
3324. HULL, J. L., DOSIE, J. B., and MORRIS, J. G. Processing roughages for wintering steer calves. Calif. Agric. 28(2):10-11, illus. Feb. 1974.
Includes rice straw.
3325. HUTANUWATR, N., HINDS, F. C., and DAVIS, C. L. An evaluation of methods for improving the *in vitro* digestibility of rice hulls. J. Anim. Sci. 38(1):140-148, illus. Ref. Jan. 1974.
3326. IJIMA, A., and others. The value of ammoniated rice hulls as a roughage for beef cattle. I. Feeding. (In Japanese) Bull. Farms Tokyo Univ. Agric. Technol. 4:1-17, illus. Apr. 1971.
A. Terada, K. Saito, N. Hara, T. Konno, M. Ohta, T. Morita, and T. Katsuki, joint authors.
English summary.
3327. INOUE, H., and NOGUCHI, T. Methanol extraction components of rice bran. (In Japanese) Hokkaidoritsu Nogyo Shikenjo Hokoku 189:6-14, illus. 1972.
3328. INSTITUTE OF AGRICULTURAL MACHINERY, JAPAN. Effect of clay binding material on making graminaceous hay grass and rice straw. (In Japanese) Saitama, 1974. 22 p., illus.
3329. ISHIKAWA, T., and YOSHIZAWA, K. Studies on changes of lipids in sake brewing. II-III. (In Japanese) J. Agric. Chem. Soc. Japan 48(6):337-341; (12):657-662, illus. Ref. 1974.
English summaries.
II. Changes of lipids in the process of washing, steeping and steaming of rice for sake brewing; III. Changes of lipids during digestion of steamed rice by saccharifying enzymes.
3330. ITO, H., IZUKA, H., and SATO, T. A new radio-resistant yeast of *Trichosporon oryzae* nov. sp. isolated from rice. Agric. Biol. Chem. 38(9):1597-1602, illus. Ref. Sept. 1974.
3331. IVANCENKO, D., ZAJAC, P., and KOTOVA, E. Využitie ryzových zvyškov v skrobarenskom priemysle. [Use of rice residues in the starch industry.] Zb. Pr. Chemickotechnol. Fak. SVST 1972:357-361, illus. Ref.
Russian and German summaries.

3332. JOSHI, B. V. Indian poultry feed ingredients. I. Rice polish. *Indian Poul. Gaz.* 58(2):107-110, illus. June 1974.
3333. KAMEOKA, K. Utilization of cereal crop residues as livestock feed. *Ext. Bull. ASPAC Food Fert. Technol. Cent.* 42:10 p., illus. Oct. 1974.
Rice straw for feeding of livestock.
3334. KAWAMURA, N., and LEE, J. K. Study on the rolling-compressing machine. 1. Torsional displacement roller type wafering machine and water-ability. (In Japanese) *J. Soc. Agric. Mach. Japan* 36(2):311-318, illus. Sept. 1974.
English summary.
Includes rice straw.
3335. KIBE, K. Utilization of rice straw as feedstuff. (In Japanese) *Anim. Husb.* 28(1):51-54, illus. Jan. 1974.
3336. KIKUCHI, S., and NAKAJIMA, Y. Preparation of rice straw for feed and its feeding rations for livestock. 1. (In Japanese) *Anim. Husb.* 28(3):69-72, illus. Mar. 1974.
3337. KIKUCHI, S. Revaluation of rice straw feed. (In Japanese) *Farming Mech.* 2682:14-16, illus. Nov. 1974.
3338. KOBAYASHI, J., and YAMAZAKI, Y. Distribution and utilization of rice straw in Japan. (In Japanese) *Farming Mech.* 2681:19-21. Oct. 1974.
3339. KRATZER, F. H., EARL, L., and CHIARAVANONT, C. Factors influencing the feeding value of rice bran for chickens. *Poult. Sci.* 53(5):1795-1800, illus. Sept. 1974.
3340. KURASAWA, H., and others. Relation of rheological properties with starch components among glutinous, sticky, less-sticky non-glutinous rice starches. *Agric. Biol. Chem.* 37(12):2913-2916, illus. Ref. Dec. 1973.
Y. Kannuchi, T. Wakayama, T. Hayakawa, and I. Igaue, joint authors.
3341. LEE, J. I., SHIGA, T., and TAKAYANAGI, K. A study on oil content and composition of fatty acids in edible oil crops in Korea. (In Korean) *Res. Rep. Off. Rural Dev. [Korea]* 16(Crop):53-64, illus. Ref. Aug. 1974.
English summary.
Includes rice bran oil.
3342. MADANE, N. P., MORE, B. B., and PATIL, P. L. Spawn production in paddy straw mushroom. *Res. J. Mahatma Phule Agric. Univ.* 5(1):33-41. Jan. 1974.
3343. MAEKAWA, K., and HIRATA, Y. Influence of sake quality of rice contaminated with PCB. (In Japanese) *J. Soc. Brew. Japan* 69(3):175-178, illus. Mar. 1974.
3344. MAKITA, M. Managing common drying equipment for by-products of rice crop. (In Japanese) *Farming Mech.* 2681:22-24. Oct. 1974.
3345. MANDAL, L., BANERJEE, G. C., and SANKAR, S. K. Metabolizable energy value of deoiled rice polish in chicks. *Indian Vet. J.* 51(7/8):527-533, illus. Ref. July/Aug. 1974.
3346. MEDINA, C. R. The reesterification of rice bran oil. College, Laguna, 1972. 65 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3347. MELLISH, K. S., DEVENDRA, C., and MAHENDRANATHAN, T. The utilisation of rice by growing pigs in Malaysia. *MARDI (Malays. Agric. Res. Dev. Inst.) Res Bull.* 1(2):41-47, illus. Ref. Dec. 1973.
Malaysian summary.
3348. METWALLY, A. M., HABIB, A. M., and KHAFAGY, S. M. Sterols and triterpene alcohols from rice bran oil. *Plant Med.* 25(1):68-72, illus. Feb. 1974.
3349. MIURA, T., and others. Studies on the utilization of farm by-products as feed and fertilizers. (In Japanese) *Farming Mech.* 2681:33-38. Oct. 1974.
N. Nizawa, K. Shimizu, K. Goto, and S. Takezono, joint authors.
Rice straw.
3350. MOBARAK, F., EL-ASHMAWY, A. E., and FAHMY, Y. Hemicelluloses as additive in papermaking. II. The role of added hemicellulose, and hemicellulose *in situ* on paper properties. *Cellul. Chem. Technol.* 7(3):325-335, illus. May/June 1973.
Includes rice straw.
3351. NAKAE, K. Treatment and utilization of rice straw. (In Japanese) *Farming Mech.* 2679:8-10. Aug. 1974.
3352. NECHAEV, A. P., and others. K voprosy refinatsii vysokokislotnogo risovogo masla. [Refining of highly acidic rice oil.] *Maslo-Zhir. Prom.* 12:14-16, illus. 1973.
Ya. I. Denisenko, A. A. Shmidt, A. I. Askinazi, Zh. Ya. Sandler, and S. M. Severinenko, joint authors.

3353. NODA, M., FUJITA, Y., and KIMURA, K. Forage characteristics of foreign rice varieties. (In Japanese) Proc. Hokuriku Br. Crop Sci. Soc. Japan 7:20-22, illus. Mar. 1972.
3354. NOGUCHI, T., and INOUE, H. Components of free and ester type sterols and triterpenes in rice-bran oil. (In Japanese) Hokkaidoritsu Nogyo Shikenjo Hokoku 189:1-5, illus. 1972.
3355. NUMAKAWA, T., and HIROSE, M. Studies on the chemical component of rice straw for live-stock feeding in Tohoku districts. The relation between cultural conditions and variation of the crude protein contents of rice straw. (In Japanese) Bull. Tohoku Natl. Agric. Exp. Stn. 48:97-122, illus. Ref. Mar. 1974.
English summary.
3356. OHTA, M., and others. The value of ammoniated rice hulls as a roughage for beef cattle. 2. Effect of ARH on structure of rumen. (In Japanese) Bull. Farms Tokyo Univ. Agric. Technol. 4:18-28, illus. Apr. 1971.
A. Terada, K. Saito, N. Hara, K. Hangan, A. Hijiima, T. Morita, and T. Katsuki, joint authors.
English summary.
3357. OKAWA, Y., and UCHIDA, S. Manuring experiment for rice straw production for forage. (In Japanese) Tohoku Agric. Res. 15:65-67, illus. Apr. 1974.
3358. ONKURA, Y. Limitation of direct plowing of rice straw fields by machine. (In Japanese) Farming Mech. 2681:25-27. Oct. 1974.
3359. PARK, C. M., CHON, W. B., and PARK, M. S. Effect of the addition of Lactobacillus plantarum and rice bran on the quality of silage. (In Korean) Korean J. Anim. Sci. 15(2):142-148, illus. Ref. 1973.
English summary.
3360. RAO, V. A. A preliminary note on the use of crude rice bran oil (sludge) in broiler ration. Indian Poult. Gaz. 58(2):111-112, illus. June 1974.
3361. REPKA, V. P., and others. Issledovanie gidrolizatorov risovoi solomy i podsolnechnogo steblya. [Research on hydrolyzates of rice straw and sunflower stems.] Vopr. Khim. Khim. Technol. Respub. Mezhdovom. Temat. Nauch.-Tekh. Sb. 28:22-26, illus. 1973.
V. G. Panasyuk, K. A. Mel'nikov, and N. I. Lazarenko, joint authors.
3362. RHEE, J. Y., and others. Studies on the prevention of oil rancidity in rice bran by heat treatment. (In Korean) Res. Rep. Off. Rural Dev. [Korea] 16(Agric.-Eng.):1-7, illus. Ref. Aug. 1974.
P. J. Han, K. S. Chang, and I. W. Yoon, joint authors.
English summary.
3363. ROXAS, D. B. In vivo and in vitro utilization by cattle and carabaos of rice straw-based rations. College, Laguna, 1974. 122 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
3364. SHIBATA, Y. Farmers' organization for the effective use of agricultural by-products as feed or manure. (In Japanese) Farming Mech. 2681:31-32. Oct. 1974.
3365. SHIMIZU, H. What is the effective use of agricultural by-products? (In Japanese) Farming Mech. 2681:6-9. Oct. 1974.
Rice straw.
3366. SOM, M. N. M., and JALALUDIN, S. Comparative study of metabolisable energy of some cereals. Malay. Agric. 12:19-22, illus. Ref. 1973/74.
3367. SUGANO, N., AKIYAMA, H., and NOSHIRO, K. Isolation and purification of cell walls in the starchy endosperm of rice kernels, and the aggregation of sake yeasts with the cell walls. (In Japanese) J. Agric. Chem. Soc. Japan 47(12):763-769, illus. Ref. 1973.
English summary.
3368. SULIMENKO, O. F., and MITSENKO, E. A. Opyt promyshlennoi pererabotki risovykh otrubel. [Industrial treatment of rice siftings.] Maslo-Zhir. Prom. 1:37-33, illus. 1974.
3369. SURIYAJUNTRATONG, W., and others. The utilization of rice straw by water buffalo when supplemented with molasses and urea. (In Thai) Kasetsart J. 8(2):103-108, illus. Ref. July/Dec. 1974.
J. Suksuchok, S. Pollarp, C. Sarapol, and U. Pisone, joint authors.
English summary.
3370. SYED ALI BIN SYED ABU BAKAR, YEONG, S. W., and SEET, C. P. Direct substitution of maize with broken rice in the broiler diet. MARDI (Malays. Agric. Res. Dev. Inst.) Res. Bull. 1(2):37-40, illus. Dec. 1973.
Malaysian summary.
3371. TAKANO, N. Ensilage of rice straw. (In Japanese) Farming Mech. 2681:28-29. Oct. 1974.

3372. TAKEDA, C., and HIZUKURI, S. Studies on the gelatinization of starches. I. Characterization of the heat dependent pasting behavior of starches. (In Japanese) *J. Agric. Chem. Soc. Japan* 48(12):663-669, illus. Ref. 1974.
English summary.
Includes rice starch.
3373. TAKESHITA, Y., and YOSHIDA, H. An investigation of the cause of chlorinated biphenyl poisoning. III. About the mechanism of contamination of fatty oil in refining process by P. C. B. (In Japanese) *Trans. Kokushikan Univ. Dep. Eng.* 7:31-35, illus. Mar. 1974.
English summary.
Rice bran oil.
3374. TANAKA, A. Methods of handling of cereal crop residues in Asian countries and related problems. *Ext. Bull. ASPAC Food Fert. Technol. Cent.* 43:29 p., illus. Ref. Nov. 1974.
Includes rice straw.
3375. TOYOKAWA, K., TAKAYASU, I., and TSUBOMATSU, K. Studies on the utilization of rice straw. V. On the ensiling of soaked rice straw together with wasted apples with special regard to appetite promoting effects for wethers. (In Japanese) *Bull. Fac. Agric. Hiroasaki Univ.* 23:66-73, illus. Ref. Dec. 1974.
English summary.
3376. VIRAKTAMATH, C. S. Large scale trials for stabilization of rice bran with steam. *J. Food Sci. Technol.* 11(4):191-193, illus. July/Aug. 1974.
3377. VIRAKTAMATH, C. S. Practical approach to the production of edible rice bran oil in India. *Oils Oilseed J.* 26(4):5-7, illus. Oct. 1973.
3378. WHITE, T. W., HEMBRY, F. G., and REYNOLDS, W. L. Digestibility of dehydrated coastal bermudagrass and rice straw pellets at various levels of the ration. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:274-278, illus. 1973.
3379. WHITE, T. W., HEMBRY, F. G., and REYNOLDS, W. L. Influence of level of dehydrated coastal bermudagrass or rice straw on digestibility. *J. Anim. Sci.* 38(4):844-849, illus. Ref. 1974.
3380. WHITE, T. W. Studies on adding sodium acetate to rice hull feed mixture. *Rice J.* 77(7):57. July 1974.
3381. WHITE, T. W., and others. The value of rice straw and urea for steers fed whole and ground corn. *Annu. Prog. Rep. La. Rice Exp. Stn.* 65th:279-280, illus. 1973.
F. G. Hembry, W. L. Reynolds, and R. Habetz, joint authors.
3382. WILLIAMS, J. F. Rice straw burning practices in California; improvements are clearing the air. *Rice J.* 77(7):38-40, illus. July 1974.
3383. YOKOCHI, K. Rice bran processing for the production of rice-bran oil and rice-bran protein meal. (Paper presented at the Rice By-Products Utilization International Conf., Spain, 1974) 60 p., illus.
3384. YOSHIDA, M. Nutritive value of various energy sources for poultry feed. V. Nutritive value of alkaline foods for poultry feed. (In Japanese) *Jap. Poult. Sci.* 9(3):141-145, illus. May 1972.
English summary.
Includes rice foods.
3385. YOSHIDA, M., and HOSHII, H. Nutritive value of various energy sources for poultry feed. VI. Nutritive value of a mixture of rice oil alkaline foods and rice oil. (In Japanese) *Jap. Poult. Sci.* 10(6):243-246. Nov. 1973.
English summary.
3386. YOSHIZAWA, K., and others. Rice used for sake making. 6. Factor analysis of some properties of the white rice. (In Japanese) *J. Soc. Brew. Japan* 69(9):581-583, illus. Sept. 1974.
T. Ishikawa, M. Konishita, S. Takeda, and I. Fujie, joint authors.
3387. YOSHIZAWA, K., and ISHIKAWA, T. Rice used for sake making. 7. Analysis of the components lost from white rice during steamed rice preparation. (In Japanese) *J. Soc. Brew. Japan* 69(9):584-586, illus. Ref. Sept. 1974.
3388. YOSHIZAWA, K., and others. Water pollution in the sake industry. 8. Influence of rice protein on water discharged at rice washing. (In Japanese) *J. Soc. Brew. Japan* 69(1):51-55, illus. Jan. 1974.
T. Ishikawa, Y. Hamada, and M. Ohashi, joint authors.
3389. YUK, C. Y. A study on the comparative value of rice straw, native grass hay and corn silage as a main roughage for milking cows. (In Korean) *Korean J Anim. Sci.* 15(4):305-309, illus. 1973.
English summary.

ECONOMIC AND SOCIAL ASPECTS

GENERAL

3390. ADAS, M. The Burma Delta: economic development and social change on an Asian rice frontier, 1852-1941. Madison, Wis., University of Wisconsin Press, 1974. 256 p., illus. Ref.
3391. ADULAVIDHAYA, K., and PRACHUABMOH, V. Some aspects of agricultural production and population growth in Thailand. (Paper presented at the Seminar on Effects of Agricultural Innovations in Asia on Population Trends, Manila, 1972) 25 p., illus.
3392. AGRARIAN RESEARCH AND TRAINING INSTITUTE, SRI LANKA. The agrarian situation relating to paddy cultivation in five selected districts of Sri Lanka. 1. Hambantota District. Colombo, 1974. 148 p., illus.
3393. ARDILA, J., and HERTFORD, R. Rentabilidad social de las inversiones en investigación de arroz en Colombia. [Social return of the investments in rice research in Colombia] Rev. Inst. Colombiano Agropecuar. 9(1):121-135, illus. Mar. 1974.
3394. BARKER, R., and ANDEN, T. Factors influencing the use of modern rice technology in selected Asian villages. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 13 p., map, figs., tables.
3395. BHATI, U. N. Social and economic implications of large scale introduction of high yielding varieties of foodgrains - a village case study in West Malaysia. Penang, July 1973. 193 p., illus. Ref. (Draft)
3396. BIROWO, A. T. Agro-Economic Survey: an experience in coordinated economic research in Indonesia. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 4 p., annexes.
3397. CASTILLO, G. T. Agricultural innovation and population change: a search for interaction. (Paper presented at the Seminar on Effects of Agricultural Innovations in Asia on Population Trends, Manila, 1972) 35 p., illus. Ref.
3398. CHAUDHRY, A. M., KHAN, A. S., and ANWAR-UL-HAQ. Socio-economic bench mark survey of Shadab Pilot Project. Lyallpur, Faculty of Agricultural Economics & Rural Sociology, University of Agriculture, 1973. 194 p., appendix.
3399. COLLIER, W. L., and others. Agricultural technology and institutional change in Java. Food Res. Inst. Stud. Stanford Univ. 13(2):169-194, illus. Ref. 1974.
Soentoro, G. Wiradi, and Makali, joint authors.
3400. CUYNO, R. V. Organizing for change: the Philippine Rainfed Upland Rice Project, a temporary cooperative system for developing & diffusing agricultural knowledge. East Lansing, Mich., 1974. 303 p., illus.
Thesis (Ph.D.)--Michigan State University.
3401. FEUER, R., and others. The rice "Mini-kit": an extension approach in the Philippines. In Proc. First Scientific Meeting, Crop Science Society of the Philippines, College, Laguna, 1970, p.155-161.
W. G. Golden, R. A. Obordo, A. B. Guevarra, R. V. Cuyno, and G. V. Bautista, joint authors.
3402. GEERTZ, C. The wet and the dry: traditional irrigation in Bali and Morocco. Human Ecol. 1(1):23-39. Ref. 1972.
Social and cultural aspect of irrigation.
3403. GEORGE, P. S. Consumers' response to high-yielding varieties of rice. Community Dev. Panchayat Raj Dig. 4(3):127-138, illus. 1973.
3404. GOTSCH, C. H. Technology, prices and incomes in West Pakistan agriculture: some observations on the green revolution. Cambridge, Mass., Center for International Affairs, Harvard Univ., Oct. 1971. 47 p., illus. (Econ. Dev. Rep. No.199)
3405. GUINO, R. A., LABADAN, E. M., and BARKER, R. Approaches to problems of data collection. (Paper presented at the ADC Workshop on Field Collection of Socio-Economic Data in Developing Countries, Singapore, 1974) 7 p., appendices. Ref.
Data collection in economics research at IRRI.
3406. HARRISS, J. C. Problems of water management in relation to social organisation in Hambantota District. (Paper presented at a Seminar on Project on Agrarian Change in Rice-Growing Areas of Tamil Nadu and Sri Lanka, Cambridge, 1974) 17 p. Ref.
3407. IENAGA, Y. Green revolution and farmers in the Philippines. (In Japanese) Tokyo, Kokon Shoin, 1973. 220 p., illus.
3408. IZUMI, K., and RANATUNGA, A. S. Environmental and social constraints on paddy production under existing conditions: a case study in Hambantota District, Sri Lanka 1974. Colombo, Agrarian Research & Training Institute, Feb. 1974. 32 p., illus. (Occas. Publ. Ser. No.4)

3409. KHAN, A. U. Appropriate technologies: do we transfer, adapt, or develop? *In* *Employment in developing nations; report on a Ford Foundation study*, p.223-233, illus. New York, Columbia Univ. Press, 1974.
3410. KITAHARA, A. Economic structure of one traditional type of rice growing agriculture in Thailand. I-II. (In Japanese) *Ajia Keizai* 15(4):20-42; (7):24-38, illus. Apr., July 1974.
3411. LEE, T. H., and SUN, T. H. Agricultural development and population trends in Taiwan. (Paper presented at the Seminar on Effects of Agricultural Innovations in Asia on Population Trends, Manila, 1972) 38 p., illus.
3412. MANDAL, G. C., and GHOSH, M. G. Social and economic implications of the large-scale introduction of high-yielding varieties of foodgrains in the eastern region of India. Santiniketan, 1973. 189 p., illus.
3413. MANGAHAS, M. An economic analysis of the diffusion of new rice varieties in Central Luzon. Chicago, Ill., 1970. 114 p., illus. Ref.
Thesis (Ph. D.)--University of Chicago.
3414. MANTEN, A. A. Environmental aspects of use of high-yielding grain varieties in the third world. *Agric. Environ.* 1(2):197-198. Aug. 1974.
3415. MERCADO, C. M. Communication strategies in launching the "green revolution" in the Philippines: a socio-psychological study. Madison, Wisconsin, 1971. 192 p., illus. Ref.
Thesis (Ph. D.)--University of Wisconsin.
Abstract in *Diss. Abstr. Int. A* 32(10):5818-A. Apr. 1972.
3416. MONTAÑO, C. B. The economic significance of the relationship between rice yield, nitrogen input and solar energy. College, Laguna, 1972. 198 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3417. PALMER, I. The new rice in monsoon Asia. Geneva, United Nations Research Institute for Social Development, 1974. 3 v. (Draft)
3418. PARK, C. H. Korean economic development, agricultural innovations and farm population. (Paper presented at the Seminar on Effects of Agricultural Innovations in Asia on Population Trends, Manila, 1972) 12 p.
3419. PASTERNAK, B. Kinship & community in two Chinese villages. Stanford, Calif., Stanford Univ. Press, 1972. 174 p., illus.
Agriculture, p.20-59.
3420. PASTERNAK, B. The sociology of irrigation: two Taiwanese villages. *In* *Economic organization in Chinese society*, p.193-213, illus. Stanford, Calif., Stanford Univ. Press, 1972.
3421. PETERSON, W., and HAYAMI, Y. Technical change in agriculture. *Univ. Min. Inst. Agric. Staff Pap.* P73-20, 62, 16 p. Ref. July 1973.
3422. ROUMASSET, J. Estimating the risk of alternate techniques: nitrogenous fertilization of rice in the Philippines. *Rev. Mark. Agric. Econ.* 42(4):257-294, illus. Ref. Dec. 1974.
3423. RUTTAN, V. W. Induced technical and institutional change and the future of agriculture. *Pap. Rep. Int. Conf. Agric. Econ.* 1973:35-75, illus. 1974.
3424. SAKIURA, S. Factors affecting diffusion of improved rice varieties in Japan. (In Japanese) *J. Rural Econ.* 46(3):109-115, illus. Dec. 1974.
3425. SANDERATNE, N. Agricultural productivity considerations of the land reform law of 1972. *Cent. Bank Ceylon Staff Stud.* 4(1):57-73, illus. Apr. 1974.
3426. SOUTHEAST ASIAN REGIONAL CENTER FOR GRADUATE STUDY AND RESEARCH IN AGRICULTURE (SEARCA). Half a decade: SEARCA's first five years, 1969-1974. College, Laguna, 1974. 133 p.
Includes social and economic implications of HYVs study.
3427. SRI LANKA. UNIVERSITY. FACULTY OF AGRICULTURE. Socio-economic survey of the Elahera Colonization Project. Peradeniya, 1968. 45 p., illus.
3428. SRISWASDILEK, J. The yield performance and economic benefits of the high yielding rice varieties in Don Chedi, Suphan Buri, Thailand. College, Laguna, 1973. 125 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3429. TSUCHIYA, K. Population growth and technological progress in Japanese agriculture. (Paper presented at the Seminar on Effects of Agricultural Innovations in Asia on Population Trends, Manila, 1972) 57 p., illus.
3430. TYAGI, B. N. A study of the impact of green revolution on the regional development of agriculture in Uttar Pradesh. *Indian J. Agric. Econ.* 29(4):44-54, illus. Oct./Dec. 1974.

3431. UNITED NATIONS RESEARCH INSTITUTE FOR SOCIAL DEVELOPMENT. Research on social and economic implications of large-scale introduction of new varieties of food grains. Geneva, 1974. 41 p.
3432. UNITED NATIONS RESEARCH INSTITUTE FOR SOCIAL DEVELOPMENT. The social and economic implications of large-scale introduction of new varieties of foodgrain: summary of conclusions of a global research project. Geneva, 1974. 55 p., illus.
3433. U.S. BUREAU OF RECLAMATION. Pa Mong, Phase II. Appendix VI - Economic, agricultural, social, and financial analysis. Washington, D. C., 1972. 1 v. (various pagings)
An analysis of the Phase II study area of the Pa Mong Project on the Mekong River between Laos and Thailand.
3434. VEGA, M. R. Technological aspect of the population problem: sufficient food for the population. (Paper presented at the Symp. on a Multidisciplinary Approach to the Population Problem: Philippine Setting, Quezon City, University of the Philippines, 1974). 13 p., illus.
3435. VENUGOPAL, S., MOHAMED KUNJU, U., and KARAYALAR, K. S. A study on the technological changes in agriculture and the factors affecting the adoption of improved practices. Agric. Res. J. Kerala 11(2):150-154, illus. Sept. 1973.

RICE FARMERS AND RICE WORKERS

3436. ABARIENTOS, E. P., and SAPLALA, P. E. L. The shaping of the new Filipino farmer with the advent of new technology. J. Agric. Econ. Dev. 3(2):154-164, illus. July 1973.
3437. BARI, F. An innovator in a traditional environment. Kotbari, Comilla, Bangladesh Academy for Rural Development, 1974. 45 p., illus.
3438. CASTILLO, G. T. Who is the Filipino farmer. (Paper presented at the Seminar on Effects of Agricultural Innovations in Asia on Population Trends, Manila, 1972) 54 p., illus.
Includes rice farmers.
3439. CHANNE GOWDA, M. B., and HALIHAL, K. A. Adoption of package of practices by paddy farmers of Mandya District in Karnataka. Mysore J. Agric. Sci. 8(2):276-282, illus. 1974.
3440. CHANNE GOWDA, M. B., and HALIHAL, K. A. Adoption of recommended varieties and seeding practices of paddy by farmers. Indian J. Ext. Educ. 10(1/2):70. Jan.-June 1974.
3441. CHU, E. C. High-yielding varieties at the crossroads: three post-trial alternative decisions among farmers. College, Laguna, 1973. 300, 12 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
3442. DOMINGO, L. P. "Rice farmers" response to the introduction of intermediate technology (table threshers, row seeders, and grain cleaners) in the land reform of Nueva Ecija. (Paper presented at the Philippine Society of Agricultural Engineers Convention, Manila and Mandaluyong, Rizal, 1973) 34 p.
3443. FUJIMOTO, A. A case study of human resources in peasant paddy farming in Kelantan. Southeast Asian Stud. 12(3):350-364, illus. Dec. 1974.
3444. HOQUE, M. M., ANWARUL KARIM, A. M., and SERAJUL ISLAM, A. F. M. Information sources used by the IRRI rice growers of Thakurgaon Thana Co-operative Tube-well Project. In Bangladesh Agricultural Univ. Research in agricultural extension education, p.35-44. Mymensingh, 1972.
3445. HOSSAIN, M. A., ANWARUL KARIM, A. M., and MAHBOOB, S. G. Adoption of improved farm practices by the transplanted Aman rice growers in Gouripur Union of Mymensingh District. In Bangladesh Agricultural Univ. Research in agricultural extension education, p.27-34. Mymensingh, 1972.
3446. JALIHAL, K. A., CHANNEGOWDA, M. B., and SUNDARA SWAMY, B. A scale to measure farmers' attitude towards HYVs of paddy. Indian J. Ext. Educ. 10(3/4):48-49. July-Dec. 1974.
3447. LAFORTEZA, M. R., and REYES, T. M. How some rice farmers used their increased incomes. Diliman, Quezon City, National Food and Agriculture Council, Sept. 1974. 8 p., illus.
3448. LESSOFF, J. M. Time perception among lowland rice farmers of two Laguna barrios. College, Laguna, 1971. 194 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3449. MANGAHAS, M., MIRALAO, V. A., and DE LOS REYES, R. P. Tenants, lessees, owners: welfare implications of tenure change. Quezon City, Ateneo de Manila University, 1974. 136 p., illus. Ref.

3450. RAMOS, E. M. Some economic factors affecting income of farmers in Nueva Ecija, a land reform area. College, Laguna, 1972. 108 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3451. ROY, N. K., and PRASAD, C. Training needs of farmers in relation to high-yielding varieties of paddy. *Indian J. Ext. Educ.* 10(3/4):54-56. July-Dec. 1974.
3452. SHARMA, S. K., and NAIR, G. T. A multi-variable study of adoption of high yielding varieties of paddy. *Indian J. Ext. Educ.* 10(1/2):30-35, illus. Jan.-June 1974.
3453. SINGH, N. P., and PRASAD, C. Communication behaviour and source credibility perception of young farmers. *Indian J. Ext. Educ.* 10(1/2):53-58, illus. Jan.-June 1974.
3454. TSENG, C. H. A research on the income of Taiwan farmers. (In Chinese) *Bank Taiwan Q.* 25(4):221-256, illus. Dec. 1974.
3455. TSUCHIYA, K. Land class and scale economy in agriculture. *J. Fac. Agric. Kyushu Univ.* 18(4):281-290, illus. Ref. Aug. 1974.
Rice production.
3456. UTTAR PRADESH AGRICULTURAL UNIVERSITY. Problems and prospects of small farmers in two regions of Uttar Pradesh in 1969-70. Pantnagar, 1971. 184 p., appendices, tables.
3457. VILLAVIZA, Q. N. Socio-economic factors associated with the spending behavior of lowland rice farmers. College, Laguna, 1974. 106 p., illus. Ref.
Thesis (Ph.D.)--University of the Philippines at Los Baños.
3458. ZIAUL KARIM, A. S. M., and MAHBOOB, S. G. Relationships of selected characteristics of transplanted aman rice growers with their adoption of fertilizers in a rural area in Bangladesh. *Indian J. Ext. Educ.* 10(1/2):16-22, illus. Jan./June 1974.

THE RICE ECONOMY

3459. ABDUKARIMOV, I. Kontsentratsiya proizvodstva risa. [Concentration in rice production.] *Ekon. Sel'skogo Hozjajstva* 7:52-55, illus. 1974.
3460. ABDUL HALIM, A. H. M. The role of extension organization in supporting a massive rice production program with HYV under rainfed condition in Bangladesh. *In* Pap. Workshop on Massive Production of HYV of Rice under Rainfed Condition in Bangladesh, 1974, p.140-155. Dacca, Bangladesh Rice Research Institute, 1974.
3451. AKRASANEE, N. Comparative advantage of rice production in Thailand: a domestic resource cost study. (Paper presented at the Workshop on Political Economy of Rice, Los Baños, Laguna, IRRI, 1974) 21 p., illus. Ref.
3462. ANDERSON, J. R. The state of world food production. *In* Man, food, and nutrition, p.35-54, illus. Ohio, CRC Press, 1973.
3463. AQUA, R. Local government and rural development in South Korea. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 69 p., illus. (Rural Local Govt. Ser. No.13)
Includes rice production.
3464. ARAGON, C. T. An analysis of consumption patterns for cereals and miscellaneous foods in the Philippines. College, Laguna, 1972. 183 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
Includes rice and rice products.
3465. ATTANATO, C. Policy review of irrigated agriculture in northern Thailand. *In* Irrigated agriculture in northern Thailand, p.22-29. New York, Agricultural Development Council, 1974.
Includes policy for rice.
3466. AURORA, D., and MEHRA, D. S. Productivity levels of major crops in drought prone areas programme districts. *Agric. Situat. India* 29(5):295-315, illus. Aug. 1974.
Includes rice.
3467. AUSTRALIA. BUREAU OF AGRICULTURAL ECONOMICS. Rice economy begins recovery. *Ricemill News* 10(5):3-7, illus. Jan./Feb. 1974.

3468. AZIZ, S. Problems and prospects of the green revolution. In Food production increase in West Pakistan; problems and effects, p.1-10, illus. Peshwar, Pakistan Academy for Rural Development, 1970.
Includes rice production.
3469. BARKER, R., and HERDT, R. W. Rice production 1973-74 and the impact of the fertilizer shortage for 1974-75. *World Crops* 26(6):256-260, illus. Ref. Nov./Dec. 1974.
3470. BARKER, R., and HERDT, R. W. Some economic issues to consider for would-be producers of rice under General Order 47. Los Baños, Laguna, IRRI, Agr. Econ. Dept., 1974. 7 p., tables.
3471. BIEBER, R. A. Rice shortage relief in sight. *Ricemill News* 10(5):11-14, illus. Jan./Feb. 1974.
3472. BLACKTON, J. S. Local government and rural development in Sri Lanka. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 68 p., illus. (Rural Local Govt. Ser. No.14)
Includes rice production.
3473. BLAIR, H. W. The elusiveness of equity: institutional approaches to rural development in Bangladesh. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 127 p., illus. Ref. (Rural Local Govt. Ser. No.1)
Includes rice production.
3474. CALIFORNIA. UNIVERSITY. FOOD TASK FORCE. A hungry world: the challenge to agriculture. Berkeley, July 1974. 68 p., illus.
Trends in rice production, p.18.
3475. CAMPBELL, L. The NSW rice industry. *Ricemill News* 10(5):24-26, illus. Jan./Feb. 1974.
3476. CHANG, T. T. Long-term projections of supply, demand and trade for selected agricultural products in Taiwan. Taipei, The Research Institute of Agricultural Economics, National Taiwan University, 1970. 262 p., illus.
Rice, p.66-84.
3477. CHANG, Y. Discussion on agricultural production and marketing in Malawi. II. (In Chinese) *Int. Tech. Coop. Bull.* 109:26-32, illus. Mar. 1974.
3478. CHASHI, M. A. Rice self-sufficiency in the shortest possible time--a self-reliant strategy. In Pap. Workshop on Massive Production of HYV Rice under Rainfed Condition in Bangladesh, 1974, p.8-16. Dacca, Bangladesh Rice Research Institute, 1974.
3479. CHEE, S. Rural local governance and rural development in Malaysia. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 102 p., illus. (Rural Local Govt. Ser. No.9)
Includes rice production.
3480. CHEN, H. Y., HSU, W. F., and MAO, Y. K. Rice policies of Taiwan. (Paper presented at the Workshop of Political Economy of Rice, Los Baños, Laguna, IRRI, 1974) 60 p., illus.
Annex tables, 18 p.
3481. CRISOSTOMO, C. Sources of output and productivity growth in the postwar Philippine agriculture. Diliman, Quezon City, 1972. 170 p., illus. Ref.
Thesis (M.A.)--University of the Philippines.
3482. CROOK, F. W. Agriculture in the United States and the People's Republic of China, 1967-71. U.S. Dep. Agric. For. Agric. Econ. Rep. 94, 38 p., illus. Ref. 1974.
Includes rice production.
3483. CUMMINGS, J. T. The supply responsiveness of Bangalee rice and cash crop cultivators. *Bangladesh Dev. Stud.* 11 (4):857-866, illus. Oct. 1974.
3484. DADEY, C. A. Agricultural policies involving rice production in WARDA countries. (Paper presented at the WARDA Seminar on Socio-economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 7 p., appendices.
3485. DALRYMPLE, D. G. Development and spread of high-yielding varieties of wheat and rice in the less developed nations. U.S. Dep. Agric. For. Agric. Econ. Rep. 95, 77 p., illus. July 1974.
3486. DE LOS ANGELES, M. Z. V., and others. Regional consumption patterns for major foods. *Econ. Res. J.* 21(1/2):302-321, illus. June/Sept. 1974.
E. M. Flores, M. R. Laforteza, T. M. M. Reyes, C. T. Opeñano, and C. L. G. Santos, joint authors.
3487. DHAWAN, K. C., and KAHN, A. S. Impact of yield increasing foodgrain technology on the cultivation of commercial crops. *Indian J. Agric. Econ.* 29(3):92-105, illus. July/Sept. 1974.
Includes paddy.

3488. DOERING, O. C. Malaysian rice policy and the Muda River Irrigation Project. Ithaca, N. Y., 1973. 261 p., illus. Ref. Thesis (Ph.D.)--Cornell University.
Abstract in Diss. Abstr. Int. A 34(10):6219-A-6220-A. Apr. 1974.
3489. DONALDSON, N. Premiums established for 1975 rice harvest varieties. Ricemill News 10(6):6. June/July 1974.
3490. DONOVAN, W. G. Employment generation in agriculture; a study in Mandya District, South India. Occas. Pap. Dep. Agric. Econ. Cornell Univ. 71, 49 p., illus. Ref. June 1974.
3491. ECONOMIST INTELLIGENCE UNIT, LONDON. World commodity outlook 1974-75. London, 1974. 96 p.
Rice, p. 56-58.
3492. ESDORN, I., and PIRSON, H. Die Nutzpflanzen der tropen und subtropen in der Weltwirtschaft. [Food of the tropics and subtropics in the world economy.] Stuttgart, Gustav Fischer Verlag, 1973. 170 p., illus.
Includes rice.
3493. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Rapport au gouvernement du Mali sur le problème de la commercialisation des céréales. [Report to the government of Mali on the problem of commercialization of cereals.] Rome, 1973. 41 p., illus. (UNDP Rep. No. AT 3157)
3494. FOOTE, R. J. Supply and utilization tables for rice and implications for policy and research; final report. Saigon, U.S. Agency for International Development, Dec.-Jan. 1971-1972. 12 p., appendix.
3495. GAESUWAN, Y., SIAMWALLA, A., and WELSCH, D. E. Thai rice production and consumption data, 1947-1970. Bangkok, Kasetsart University, Dept. of Agricultural Economics, June 1974. 22 p., map, tables, appendices.
3496. GARCIA DURAN, E. Desarrollo de los cultivos de arroz en Colombia en 1973. [Development in rice cultivation in Colombia.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p. 185-191, illus.
3497. GEORGE, P. S., CHOUKIDAR, V. V., and DAVE, M. B. Consumption pattern and preferences for rice; a study in Andhra Pradesh, India. Ahmedabad, Center for Management in Agriculture, 1972. 223 p., illus.
3498. GOLDMAN, R. H. The evolution of Malaysia's rice policy in the context of economic and political development. (Paper presented at the Workshop on Political Economy of Rice, Los Bafos, Laguna, IRRI, 1974) 30 p., tables, figs. Ref.
3499. GONCALVES, P. A. O arroz na Australia. [Rice in Australia.] Lav. Arroz. 27(281):8-10. Sept./Oct. 1974.
3500. GRILLENZONI, M. Política comunitaria ed economia risicola. [Community policy and the rice economy.] Riv. Polit. Agric. 20(4):53-62. 1973.
3501. GRIST, D. H. Rice production in the past quarter of a century. World Crops 26(5):213-214, illus. Sept./Oct. 1974.
3502. GUADALCANAL PLAINS LIMITED. Land utilization plan for Guadalcanal Plains Ltd. Honaira, British Solomon Islands, n.d. 19 p., maps.
Includes rice production.
3503. GUNADASA, J. M. A review of planning for paddy production, 1947-1970. Mod. Ceylon Stud. 3(2):159-193, illus. July 1972.
3504. HANNA, W. A. Bali: population and rice. Fieldstaff Rep. Am. Univ. Field Staff Southeast Asia Ser. 20(4):9 p., illus. Feb. 1972.
3505. HANSEN, G. E. Rural local government and agricultural development in Java, Indonesia. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 78 p., illus. (Rural Local Govt. Ser. No. 7)
Includes rice production.
3506. HASEYAMA, T. Development of Asian agriculture and international cooperation in the coming decade. Dev. Econ. 12(2):101-122, illus. June 1974.
3507. HASEYAMA, T. Outlook of food problem and international cooperation in Asia. (In Japanese) Ajia Keizai 15(10):17-31, illus. Oct. 1974.
3508. HASHEM, M. A. Availability of required inputs for launching a massive rice production programme under rain-fed condition in Bangladesh. In Pap. Workshop on Massive Production of HYV of Rice under Rainfed Condition in Bangladesh, 1974, p. 130-139, illus. Dacca, Bangladesh Rice Research Institute, 1974.
3509. HASSAN, M. N. Current status of the padi and rice industry in Malaysia. In Interaction of agriculture with food science; proc. symp., p. 145-149. Ottawa, Canada, International Development Centre, 1974.
French summary.

3510. HASZLER, H. Combined factors indicate bright outlook for NSW rice. *Ricemill News* 10(5):19. Jan./Feb. 1974.
3511. HAYAMI, Y., and CRISOSTOMO, C. Agricultural growth against land resource constraint: the Philippine experience. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 26 p., notes, tables.
3512. HAYAMI, Y., and HERDT, R. W. The impact of technological change in subsistence agriculture in income distribution. Los Baños, Laguna, IRRI, Agr. Econ. Dept., 1974. 14 p., tables.
3513. HAYNE, R. D. Sound future predicted for NSW rice. *Ricemill News* 10(5):15-18. Jan./Feb. 1974.
3514. HERDT, R. W., and BARKER, R. Possible effects of the fertilizer shortage on rice production in Asian countries. Los Baños, Laguna, IRRI, Agr. Econ. Dept., 1974. 16 p., tables. Ref.
3515. HERRING, R. J. The forgotten 1953 Paddy Lands Act in Ceylon: ideology, capacity and response. *Mod. Ceylon Stud.* 3(2):99-124, illus. July 1972.
3516. HIGNETT, T. P. Recent developments in fertilizer production technology and economics, with special reference to ammonia and compound fertilizers. *Ext. Bull. ASPAC Food Fert. Technol. Cent.* 40:70 p., illus. Ref. Aug. 1974.
3517. INDONESIA. AGRO ECONOMIC SURVEY. Agricultural census in thirty three villages located in the major rice producing areas of Indonesia. Bogor, Apr. 1972. 6 p., tables. (Res. Rep. No.6)
3518. INDONESIA. DEPT. OF AGRICULTURE. Laporan team penilai persiapan bimas palawidja 1972/1973. [Report on the preparation for increasing second crops production in 1972/1973.] Djakarta, 1972. 41 p.
3519. INDONESIA. DEPT. OF INFORMATION. Pokok-pokok rencana pembangunan lima tahun kedua, 1 April 1974-31 Maret 1979. [Highlights of the second five-year development plan, 1 April 1974-31 March 1979.] Djakarta, 1974. 42 p., illus.
Includes rice production.
3520. INGLE, M. D. Local governance and rural development in Thailand. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 96 p., illus. (Rural Local Govt. Ser. No.16)
Includes rice production.
3521. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Agricultural sector survey: Indonesia. *Its Rep. No.183-IND*, 4 v., maps. [Washington, D. C.] 1973.
The rice economy, Vol. IV, Annex 13.
3522. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Agricultural sector survey: Malaysia. *Its Rep. No. PA-86a*, 3 v., maps. [Washington, D. C.] 1971.
Rice, Vol. II, Annex 1.
3523. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Agricultural sector survey: Republic of Korea. *Its Rep. No. 213a-KO*, 4 v., maps. [Washington, D. C.] 1973.
Includes rice production.
3524. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of an agricultural development project, The Gambia. *Its Rep. No. PA-142a*, 23 p., annexes, maps. [Washington, D. C.] 1972.
Rice project.
3525. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of the Mopti Rice Project, Mali. *Its Rep. No. PA-107a*, 20 p., annexes, maps. [Washington, D. C.] 1971.
3526. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of the Morondava Irrigation and Rural Development Project, Malagasy Republic. *Its Rep. No. PA128a*, 22 p., annexes, maps. [Washington, D. C.] 1972.
Includes rice production.
3527. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of the SEMRY Rice Project, Cameroon. *Its Rep. No. PA-103*, 20 p., annexes, maps. [Washington, D. C.] 1971.
3528. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Development issues for Indonesia. *Its Rep. No. 25-IND*, 5 v., illus., map. [Washington, D. C.] 1972.
Agriculture Sector, Vol. III, Annex 3.
3529. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Effective demand for fertilizers in India. *Its Rep. No. SA-31*, 26 p., illus., annexes. [Washington, D. C.] 1972.
Includes rice.
3530. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Land and water resources sector study: Bangladesh. *Its Rep. No. PS-13*, 9 v. [Washington, D. C.] 1972.
Rice, Vol. IV, Tech. Rep. No. 7 and also in other volumes.

3531. ISEKI, S. Basic policies for the development of upland agriculture. (In Japanese) *Farm Work Res.* 21:14-17, illus. Aug. 1974.
In South Kyushu.
3532. JELLEMA, B. M. Improvement of cereal production and marketing in the Central African region. Ibadan, Nigeria, International Institute for Tropical Agriculture, 1973. 81 p., illus.
Includes rice production.
3533. JOHL, S. S., and MUDAHAR, M. S. The dynamics of institutional change and rural development in Punjab, India. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 171 p., illus. Ref. (Rural Local Govt. Ser. No. 5)
Includes rice production.
3534. KAIHARA, M. The present situation and future prospects of rice production in the Hokuriku region. (In Japanese) *J. Rural Probl.* 9(1):1-6. 1973.
3535. KAMIYA, M. Economic accounts for agriculture in selected Asian countries. (In Japanese) *Q. J. Agric. Econ* 28(1):141-169, illus. Jan. 1974.
3536. KIM, M. S. Yield increase of Tongil rice for food self-sufficiency. (In Korean) *Res. Guidance* 14(1):13-19, illus. 1973.
3537. KOREA. MINISTRY OF AGRICULTURE & FORESTRY. Report on the results of farm household economy survey and production cost survey of agricultural products. (In Korean) Seoul, 1972. 314 p., illus.
Includes rice production.
3538. KOREAN AGRICULTURAL SECTOR STUDY TEAM. Investment priorities in the Korean Agricultural Sector. Seoul, Agricultural Economics Research Institute, 1972. 322 p., illus. Ref.
Includes rice production.
3539. LAWAS, J. M. Agricultural diversification and development; the Philippine viewpoint. New York, The Asia Society - SEADAG, 1971. 18 p., appendices.
3540. LEE, E. W. Demand and supply of grains in the world and Korea. (In Korean) *J. Korean Soc. Crop Sci.* 16:3-19, illus. Feb. 1974.
3541. LEE, K. M. Current food policy and measures in Taiwan. (In Chinese) *J. Agric. Assoc. China* 88:91-97. Dec. 1974.
English summary.
Includes rice production and storage.
3542. LEGE, F. M. Australia's Riverina rice farms set world record for high yields. *Foreign Agric.* 12(22):13-15, illus. June 3, 1974.
3543. LEGE, F. M. US attache reviews Australian rice industry. *Ricemill News* 10(6):4-5. June/July 1974.
3544. LEVI, J. African agriculture misunderstood: policy in Sierra Leone. *Food Res. Inst. Stud. Stanford Univ.* 13(3):239-262, illus. Ref. 1974.
Includes rice production.
3545. LIM, D. Economic growth and development in West Malaysia, 1947-1970. Kuala Lumpur, Oxford University Press, 1973. 346 p., illus.
Rice, p.234-245.
3546. LOPES, J. Italy's rice output, exports high, but further growth doubtful. *Foreign Agric.* 12(32):8-9, 16, illus. Aug. 12, 1974.
3547. LOPEZ ARBELAEZ, G. Producción de arroz en Colombia en los años 1.971 y 1.972. [Rice production in Colombia in the years 1971 and 1972.] In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz, 1974, p.192-201, illus.
3548. MAHANTA, K. C. Trend of agricultural production in Assam. *Agric. Agro-Ind. J.* 7(1):27-30, illus. Jan. 1974.
Includes trends of five-yearly rice production in Assam.
3549. MANGAHAS, M., and LIBRERO, A. R. The high-yielding varieties of rice in the Philippines; a perspective. *Discuss. Pap. Inst. Econ. Dev. Res. School Econ. Univ. Philipp.* 73-11, 39 p., tables, figs. June 15, 1973.
3550. MANGAHAS, M. The political economy of rice in the New Society. (Paper presented at the Workshop on Political Economy of Rice, Los Baños, Laguna, IRRI, 1974) 41 p., illus. Ref.
3551. MARIANO, E. P. Masagana 99. Diliman, Quezon City, National Food and Agriculture Council, Oct. 1974. 59 p., illus.
3552. MEARS, L. A., and others. Rice economy of the Philippines. Quezon City, U. P. Press, 1974. 435 p., illus.
M. H. Agabin, T. L. Anden, and R. C. Marquez, joint authors.

3553. MEYERS, W. H. Alternative patterns of resource use for achieving self-sufficiency in rice in the 1970's: a linear programming analysis. College, Laguna, 1972. 196 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3554. MOON, P. Y. A brief review of the evolution of rice policy in Korea. Seoul, Korea Development Institute, 1974. 57 p., illus. Ref.
3555. MOTA, T. P. Produção comercialização e industrialização do arroz em Moçambique. [Production, trading and industrialization of the rice in Mozambique.] Agron. Moçamb. 7(4):221-230, illus. Ref. Oct.-Dec. 1973.
English and French summaries.
3556. MURSHED, M. Masagana-99 programme in the Philippines. In Pap. Workshop on Massive Production of HYV of Rice under Rainfed Condition in Bangladesh, 1974, p.17-29. Dacca, Bangladesh Rice Research Institute, 1974.
3557. NAKABAYASHI, S. Agriculture pressed for revaluation of rice culture under food crisis. (In Japanese) Nogyo Keizai 40(9):34-39. Sept. 1974.
3558. NATIONAL FOOD AND AGRICULTURE COUNCIL, PHILIPPINES. Masagana 99 rice program, phase IV, 1974-'75. Diliman, Quezon City, n.d. 40 p., appendices.
3559. NATIONAL GRAINS AUTHORITY, PHILIPPINES. Presidential decree 194, Letter of Instructions No. 79, Letter of Instructions No. 88, Council Resolutions, SOPS, and circulars, memoranda. Quezon City, 1973. 106 p.
Laws pertaining to rice.
3560. THE 1974 world rice situation and outlook. FAO Mo. Bull. Agric. Econ. Stat. 23(7/8):14-16. July/Aug. 1974.
3561. OKORO, E. B. The rice program of the Nigerian National Accelerated Food Production Project. (Paper presented at the WARDA Seminar on Socio-economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 10 p.
3562. OPLE, L V. Rice for every pot. Archipelago 1(8):3-5. Aug. 1974.
Rice production in the Philippines.
3563. ORTICIO, H. M. Taxation of the rice industry and prospects for the industry's future development. Econ. Res. J. 18 (4):247-252. Mar. 1972.
3564. OZAKI, K., and TODA, S. The trends and problems on the development of the upland agriculture in warm region of Japan. (In Japanese) Farm Work Res. 21:1-13, illus. Aug. 1974.
In South Kyushu.
3565. PARKER, J. B. Middle-East demand continues for rice. Ricemill News 10(8):10-11, illus. June/July 1974.
3566. PARTHASARATHY, G., and PRASAD, D. S. Responses to, and impact of, H. Y. V. rice according to land size and tenure in a Delta village, Andhra Pradesh, India. Dev. Econ. 12(2):182-198, illus. Ref. June 1974.
3567. PEARSON, S. R., and NELSON, G. C. The measurement of comparative advantage in rice production. (Paper presented at the Workshop on Political Economy of Rice, Los Baños, Laguna, IRR, 1974) 20 p., illus. Ref.
3568. LE PROBLÈME du riz et la politique rizicole de Madagascar. [The problem of rice and Madagascar's rice policy.] MARCHES Trop. 1432:3340-3342. Nov. 16, 1973.
3569. PROSPERT G., J. La planificación agrícola en Venezuela. [Agricultural planning in Venezuela.] Rev. Fac. Agron. Univ. Cent. Venezuela 20:65 p., illus. Ref. Dec. 1972.
Includes rice planning.
3570. PUGA REBELLO, A. DA., and others. Estrutura de excedente comercializável de arroz em áreas selecionadas do estado do Pará. [Structure of marketable surplus of rice in selected areas of the state of Para.] Experimentiae 17(1):1-24, illus. Ref. Jan. 1974.
S. A. Brandt, A. F. de Sousa, M. Ribon, L. M. de Moura, and A. A. Neto, joint authors.
English summary.
3571. RAHMAN, M. L. Rice demand and supply situations in Bangladesh and Pakistan and policy implications. College Station, Texas, 1973. 184 p., illus. Ref.
Thesis (Ph.D.)--Texas A & M University.
3572. RAM, G. S. Total supply response of cereals in different states of India. Agric. Situat. India 28(7):467-471, illus. Oct. 1973.
Includes rice.
3573. RAMANNA, R., MRUTHYUNJAYA, and MALLIKARJUNIAH, K. G. Marketable surplus of food grains in Bangalore District. Mysore J. Agric. Sci. 8(3):447-455, illus. 1974.
Includes paddy.

3574. RAMBACHAN, S. Management of change in the rice industry in Trinidad and Tobago. *In Proc. Semin. 'Rice Growing - What are the Problems?'*, 1974, p.44-74. St. Augustine, Trinidad, University of the West Indies, 1974.
3575. RAY, H. E. The first decade of the Intensive Agricultural District Program. New Delhi, Ford Foundation, July 1974. 177 p., illus.
Includes rice production.
3576. RICO, G. R. Estado de la industria arrocera en Venezuela. [State of rice industry in Venezuela.] *In Instituto Colombiano Agropecuario. Trabajos presentados en la VI reunion anual del Programa Nacional de Arroz*, 1974, p.60-63.
3577. RIZAL ECONOMIC DEVELOPMENT COMMISSION, PHILIPPINES. Masagana 99 in Rizal; an assessment of 1973 and a program for 1974-75. Pasig, Rizal, 1974. 55 p., maps, exhibits.
3578. ROBINSON, A. Economic prospects of Bangladesh. London, Overseas Development Institute, 1973. 59 p., illus.
Includes rice production.
3579. SAMUEL, S. N., and ABAYARATNA, G. M. An analysis of fertilizer marketing in the context of Sri Lanka's paddy subsector development. *Cent. Bank Ceylon Staff Stud.* 4(1):23-43, illus. Apr. 1974.
3580. SANKHAYAN, P. L., and SIDHU, D. S. Regional specialisation in the cultivation of commercial crops vis-a-vis regional self-sufficiency in foodgrain production--a case of Punjab. *Indian J. Agric. Econ.* 29(3):115-123, illus. July/Sept. 1974.
3581. SANTOS, C. L. G., and AVIGUETERO, E. F. Household storage stocks of rice and corn for food, sale, feed and seed. Dilliman, Quezon City, National Food and Agriculture Council, Aug. 1974. 12 p., illus.
3582. SANTOS, C. L. G., and DARRAH, L. B. Storage stocks of rice and corn for home use. Quezon City, National Food and Agriculture Council, Mar. 1974. 8 p., illus.
Also in *Econ. Res. J.* 20(3/4):178-185, illus. Dec. 1973/Mar. 1974.
3583. SCHACHT, S. Zur geographie des Reisanbaus. [The geography of rice production.] *Z. Wirtschaftsgeogr.* 16(2):33-38, illus. Ref. 1972.
3584. SHAND, R. T., and STRAATMANS, W. Transition from subsistence: cash crop development in Papua New Guinea. *New Guinea Res. Bull. No. 54*, 203 p., illus. Ref. 1974.
Rice, p.100-115.
3585. SHEN, T. H. The mechanism for agricultural planning. *In Agriculture's place in the strategy of development: the Taiwan experience*, p.17-37, illus. Taipei, Joint Commission on Rural Reconstruction, 1974.
Rice production, p.34-35.
3586. SHEN, T. H. A new agricultural policy. *In Agriculture's place in the strategy of development: the Taiwan experience*, p.33-56. Taipei, Joint Commission on Rural Reconstruction, 1974.
Rice-fertilizer barter system, p.42-45.
3587. SICAT, G. P. New economic directions in the Philippines. Manila, National Economic and Development Authority, 1974. 277 p., illus.
Includes rice production
3588. SILVEIRA, E. P. Geração avançada de arroz no Piauí. [Advanced production of rice in Piauí.] *Lav. Arroz.* 27(280):44-45. July/Aug. 1974.
3589. SIMPAS, S. S., CARIÑO, L., and PACHO, A. G. Local government and rural development in the Philippines. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 109 p., illus. (Rural Local Govt. Ser. No.12)
Includes rice production.
3590. SISODIA, J. S. Agricultural production trends in Madhya Pradesh. *Agric. Situat. India* 28(9):621-628, illus. Dec. 1973.
Includes rice.
3591. SMITH, D. P. Masagana 99: a programme for survival in the Philippines. *Spa* 17(2):79-81, illus. 1974.
3592. SPENCER, D. S. C. The economics of traditional and semi-traditional systems of rice production in Sierra Leone. (Paper presented at the WARDA Seminar on Socio-Economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 16 p., illus. Ref.
3593. SRI LANKA. LAWS, STATUTES, ETC. Agricultural Lands Law, No.42 of 1973 of the National State Assembly. Colombo, 1973. 35 p.
3594. STAVIS, B. Rural local governance and agricultural development in Taiwan. Ithaca, N. Y., Center for International Studies, Cornell Univ., 1974. 122 p., illus. (Rural Local Govt. Ser. No.15)
Includes rice production.

3595. TANZI, J. W., and PES CETTI, H. R. Situación agro-económica del arroz en la zona del alto Parana. [Agro-economic situation on rice in the zone of Upper Parana.] Corrientes, Instituto Nacional de Tecnología Agropecuario, 1974. 38 p., illus.
3596. THEPPACHONSHEWIN, P. Irrigated agriculture in the Third Development Plan and in the northern region. In Irrigated Agriculture in northern Thailand, p.1-12, illus. New York, Agricultural Development Council, 1974.
Includes rice production.
3597. TIMMER, C. P. The political economy of rice production and trade in Asia. (Paper presented at the Conference on Agriculture in Development Theory, Bellagio, Italy, 1973) 31 p., appendix. Ref.
3598. TSUJII, H. An econometric study of effects of national rice policies and the green revolution on national rice economies and international rice trade among less developed and developed countries: with special reference to Thailand, Indonesia, Japan, and the United States. Urbana, Ill., 1973. 305 p., illus. Ref.
Thesis (Ph. D.)--University of Illinois at Urbana-Champaign.
Abstract in Diss. Abstr. Int. A 34(9):5441-A. Mar. 1974.
3599. TYAGI, B. N. A study of green revolution in Uttar Pradesh. Agric. Situat. India 29(4):205-208, illus. July 1974.
Includes rice.
3600. U.S. DEPT. OF AGRICULTURE. US rice industry operations. Ricemill News 10(5):29-31. Jan./Feb. 1974.
3601. U.S. ECONOMIC RESEARCH SERVICE. The agricultural situation in the People's Republic of China and other Asian communist countries: review of 1973 and outlook for 1974. Washington, D.C., 1974. 31 p., illus.
Includes rice situation.
3602. U.S. ECONOMIC RESEARCH SERVICE. Agriculture in the Vietnam economy; a system for economic analysis. [Washington, D.C.] June 1973. 321 p., illus.
Includes rice economy.
3603. U.S. ECONOMIC RESEARCH SERVICE. The world food situation and prospects to 1985. Washington, D.C., 1974. 90 p., illus.
3604. VAN SANTEN, C. E. Some notes on smallholder rice production in Liberia. (Paper presented at the WARDA Seminar on Socio-economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 22 p., illus. Ref.
3605. VIANEN, J. G. The regional specialization model: a tentative quantification for Liberia. (Paper presented at the WARDA Seminar on Socio-economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 31 p., illus. Ref.
3606. VIANEN, J. G. Self-sufficiency in rice in the WARDA region - A model for specialization in paddy and rice production. (Paper presented at the WARDA Seminar on Socio-economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 30 p., illus.
3607. VYAS, V. S. Regional imbalances in foodgrains production in last decade; some preliminary results. Econ. Polit. Wkly. 8(52):Rev. Agric., A151-A156. Dec. 1973.
Includes rice.
3608. WANG, I. T. A study of land utilization and crop production in Chai-nan area, Taiwan. (In Chinese) Bank Taiwan Q. 25(3):285-359, illus., maps. Sept. 1974.
3609. WEINTRAUB, L. Introducing agricultural change: the inland valley swamp rice scheme in Sierra Leone. Madison, Wis., 1973. 337 p., illus. Ref.
Thesis (Ph. D.)--University of Wisconsin.
Abstract in Diss. Abstr. Int. A 35(1):563-A. July 1974.
3610. WILSON, A. G. Examination of alternative methods, approaches, and programs for production and market stabilization with particular reference to the Pacific rim market. Can. J. Agric. Econ. (1973 C.A.E.S. Workshop Proc.):98-140, illus.
Includes rice.
3611. WIMBERLEY, J. E. Observations on the paddy-rice industry in certain TCCA's in Bangladesh. Dacca, Ford Foundation, 1974. 32 p., illus.
3612. YEH, M. The empirical estimations of the Taiwan rice demand function and its prospects of trade. Econ. Rev. 157:3-7, illus. Jan./Feb. 1974.
3613. YOSHIDA, S. Current rice production and potentialities in Southeast Asia. (In Japanese) J. Soil. Soil Mamre Japan 45 (6):306-314, illus. Ref. June 1974.
3614. YUIZE, Y. Food problem and agricultural policy in Japan. (In Japanese) Ajia Keizai 15(10):32-45, illus. Oct. 1974.

3615. ZANINI, E. Les problemes techniques actuels de la riziculture europeenne. [Actual technical problems of European rice culture.] Bull. Inf. Rizicult. Fr. 151:7-16. Mar./Apr. 1974.

FARMS AND FARMING

3616. ABDUL HYE, A. H. M. The role of supervised credit in a package programme: lessons from the Philippines. In *Pap. Workshop on Massive Production of HYV of Rice under Rainfed Condition in Bangladesh*, 1974, p.156-165. Dacca, Bangladesh Rice Research Institute, 1974.
3617. AGRICULTURAL CREDIT ADMINISTRATION, PHILIPPINES. Annual report 1972-73. Manila, 1973. 22 p., illus.
3618. AITKEN, P. G. Relative rates of return to controlled irrigation among classes of summer paddy in the Guayas Basin, Ecuador. Logan, Utah, 1972. 89 p., illus.
Thesis (M.S.)--Utah State University.
Farm practices.
3619. AKAMA, T. Studies on the similar type of farm management in various regions (Adaptable combination of the rice plant and pig raising). (In Japanese) Tech. Bull. Miyagi Prefect. Agric. Exp. Sta. 44:29-53, illus. 1972.
3620. AKINO, M. A benefit-cost analysis of agricultural research activity--a case study of rice breeding in Japan. (In Japanese) Q. J. Agric. Econ. 28(2):1-33, illus. Apr. 1974.
3621. ALI, S. A., and AGRAWAL, R. C. Impact of farm mechanization on labour use in developing agriculture under new technology. AMA (Agric. Mech. Asia) 5(1):25-28, illus. Summer 1974.
3622. ALMEDA, J. P. Costs and returns in the production of high-yielding varieties (HYV), Nueva Ecija, 1973. 1-2. Agric. Econ. Stat. Mark. News Dig. [Philippines] 8(16):4 p. Apr. 17, 1974; 8(17):3 p. Apr. 24, 1974.
3623. AMERASINGHE, N. Efficiency of resource utilisation in paddy production on settlement farms in Sri Lanka. Mod. Ceylon Stud. 5(1):77-92, illus. Ref. Jan. 1974.
3624. AMERASINGHE, N. The impact of high yielding varieties of rice on a settlement scheme in Sri Lanka. Trop. Agric. [Sri Lanka] 130(2):63-86, illus. Apr./June 1974.
3625. ASIAN PRODUCTIVITY ORGANIZATION. A study on intensive farming and extension in irrigated area of Central Thailand. Tokyo, 1973. 98 p., illus.
3626. AUSTIN, J. E. Agribusiness in Latin America. New York, Praeger, 1974. 341 p., illus.
Rice, p.116-160.
3627. BADAN PERENTJANAAN PEMBANGUNAN ATJEH. Laporan survey areal sawah dan produksinya di daerah Kabupaten Atjeh Selatan. [Report on ricefield production and areal survey in Kabupaten Atjeh Selatan.] Banda Atjeh, 1971. 60 p., illus.
3628. BADAN PERENTJANAAN PEMBANGUNAN ATJEH. Laporan survey areal sawah dan produksinya di daerah Kabupaten Atjeh Pidie. [Ricefield production and areal survey in Kabupaten Atjeh Pidie.] Banda Atjeh, 1970. 44 p., illus.
3629. BALAGOT, Q. M. A study of financing small-farm operations in Mindanao, 1969-1970. College, Laguna, 1974. 246 p., illus. Ref.
Thesis (M.S.)--University of the Philippines at Los Baños.
Includes rice farms.
3630. BANGLADESH ACADEMY FOR RURAL DEVELOPMENT. A new rural co-operative system for Comilla Thana. Comilla, July 1973. 93 p., illus.
3631. BANGLADESH AGRICULTURAL DEVELOPMENT CORPORATION. "Massagana 99": report of the study team. Dacca, 1974. 49 p., illus.
3632. BATRA, B. B., and EASTER, K. W. High returns from field channels in irrigated Indian villages. Univ. Minn. Dep. Agric. Appl. Econ. Staff Pap. Ser. P72-24, 29 p., illus., maps. Sept. 1972.
3633. BECK, K. V. Aufwand und Ertrag des Reisbauprojekts im Hochland von Madagaskar. [Costs and returns of the rice project in the highlands of Madagascar.] Z. Ausl. Landwirt. 12(2):99-111, illus. 1973.
English and French summaries.
3634. BIRKELBACH, A. W. The subak association. Indonesia 16:153-169, illus. Oct. 1973.
Owners of rice fields who obtain water from one conduit or from one branch of a conduit constitute a subak association. Their primary concern is irrigation of wet-rice lands.

3635. CASTILLO, E. T. Resource productivity analysis of farmers in land reform areas, Central Luzon, 1967-68. *Econ. Res. J.* 20(1/2):35-51, illus. June/Sept. 1973.
3636. CHANDRA, S., BOER, A. J. DE, and EVENSON, J. P. Economics and energetics: Sigatoka Valley, Fiji. *World Crops* 26(1):34-37, illus. Ref. Jan./Feb. 1974.
Includes rice.
3637. CHANG, Y. C. A study on labor saving in paddy rice cultivation. (In Korean) *J. Korean Soc. Crop Sci.* 11(11):81-97, illus. Ref. July 1972.
English summary.
3638. CHEONG, K. M. Increasing more than 6,000 kg/ha of rice in cooperative farm with extension workers' instruction. (In Korean) *Agric. Technol. [Korea]* 8(7):19-20, illus. Sept. 1974.
3639. CHINESE AGRICULTURAL TECHNICAL MISSION TO THAILAND. First report on Sappaya Multi-purpose Cooperative Project and Vegetable Seed Production Project covering the period from June 1969 to May 1971. Bangkok, Ministry of National Development and Ministry of Agriculture, 1971. 175 p., illus.
3640. CHO, M. S. Effects and future prospect of the cooperative culture of low-land rice in Korea. (In Korean) *J. Korean Soc. Crop Sci.* 7(1):85-92, illus. Ref. Dec. 1969.
English summary.
3641. COST of production of paddy in Andhra Pradesh during 1971-72. *Agric. Situat. India* 29(5):329-336, illus. Aug. 1974.
3642. COST of production of paddy in Orissa during 1971-72 and 1972-73. *Agric. Situat. India* 29(9):649-659, illus. Dec. 1974.
3643. CROP production, 1973. I. *Agric. Econ. Stat. Mark. News Dig. [Philippines]* 8(11):7 p., illus. Mar. 13, 1974.
Includes rice.
3644. CRUZ, H. A. Conflict among farmers in an irrigation system in Iloilo Province, The Philippines. Ithaca, N. Y., 1974. 200 p., illus. Ref.
Thesis (Ph. D.)--Cornell University.
3645. DIAMANTE, T. D., and ALIX, J. C. An analysis of crop shifting and farm practices of IAS sample farmers in the Philippines. Quezon City, Bureau of Agricultural Economics, n.d. 54 p., illus.
3646. DOZINA, G. E., and HERDT, R. W. Upland rice farming in the Philippines. Los Baños, Laguna, IRRI, Agr. Econ. Dept., 1974. 15 p., tables, figs.
3647. EASTER, K. W. Returns from investment in improving village irrigation systems: an example from India. Univ. Minn. Dep. Agric. Appl. Econ. Staff Pap. Ser. 74-13, 24 p., illus. Ref. July 1974.
3648. ERUBAEV, A. K. Rezervy povyseniya proizvoditel'nosti tekhniki v risoseyushchikh khozyaistvakh. [Reserves for raising technical productivity in rice growing farms.] *Vestn. S-kh. Nauki Kaz.* 8:8-12, illus. 1973.
Kazakhstan summary.
3649. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Design and evaluation of land development units for Indonesia. Bogor, 1974. 138 p., illus., maps. (Land Capability Appraisal Project, Indonesia)
3650. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Farming systems and land use along a traverse of the Solo Valley, Central Java. Bogor, 1974. 82 p., illus. (Land Capability Appraisal Project, Indonesia)
3651. FUKUI, H., and HATTORI, T. Agricultures of six villages in central Thailand and central Java. *Southeast Asian Stud.* 12(3):308-321, illus., maps. Dec. 1974.
Includes rice cultivation.
3652. GARCIA, E. G. Realizaciones del Departamento Tecnico de Fedearroz en 1.973-1.974. [Accomplishments of the Technical Dept. of Fedearroz in 1973-1974.] In *Instituto Colombiano Agropecuario. Trabajos presentados en VI reunion anual del Programa Nacional de Arroz, 1974*, p.181-184, illus.
3653. GATICA, R. A. The economics of rice production. *Greenfields* 3(1):26-28. n.d.
In the Philippines.
3654. HASWELL, M. R. Tropical farming economics. London, Longman, 1973. 174 p., illus. Ref.
Includes farming in the Philippines.
3655. HERRERA, R. T. Changes in rice farming in Gapan, Nueva Ecija: a case study. College, Laguna, 1973. 189 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.

3658. HIRATSUKA, T. A study on the possibility of the realization in whole contract farming of paddy rice production. (In Japanese) *J. Rural Probl.* 10(1):9-18, illus. June 1974.
3657. HOSSAIN, M. Farm size and productivity in Bangladesh agriculture: a case study of Phulpur farms. Dacca, Bangladesh Institute of Development Economics, Oct. 1973. 45 p., illus. Ref. (Res. Rep. Ser. New Ser. No.14)
3658. INOUE, S., HASHIZUME, A., and KIKAWA, Y. The work system using low-power machines on paddy rice cultivation. (In Japanese) *Bull. Chiba-ken Agric. Exp. Stn.* 14:33-49, illus. Ref. 1974. English summary.
3659. ITO, T. A study on the development of the whole contract farming of paddy rice production. (In Japanese) *Niigata Agric. Sci.* 28:15-44, illus. Mar. 1974.
3680. JOGARATNAM, T. Report of the re-survey of the Elahera colonization scheme in Ceylon, 1971. Peradeniya, University of Ceylon, Agricultural Economics Research Unit, 1971. 32 p. Includes rice farming.
3661. JOHNSON, L., and DIAZ D., A. A continuous rice production system. *Inf. Bull. Cent. Int. Agric. Trop.* 2-E, 9 p., illus. Mar. 1974.
3662. KAGAYAMA, K. Small scale farming--key to agricultural development in Japan. Tokyo, Japan FAO Association, 1974. 54 p., illus.
3663. KAPRE, B. N. Comprehensive scheme for studying the cost of cultivation of principal crops. *Agric. Situat. India* 29(5):321-328, illus. Aug. 1974. Includes rice.
3664. KASRYNO, F. Farmers' association as a vehicle for rural development: a case study in Muda Irrigation Scheme, Malaysia, 1972-1973. College, Laguna, 1974. 210 p., illus. Ref. Thesis (M.S.)--University of the Philippines at Los Baños.
3665. KATO, T. On the advanced farms in Kasanohara Plateau. (In Japanese) *Farm Work Res.* 21:28-35, illus. Aug. 1974. In South Kyushu.
3666. KAWABATA, H. Developmental structure of rice cultural cooperatives: Example of Kaga plain in Ishikawa Prefecture. (In Japanese) *Nogyo to Keizai* 40(9):68-76. Sept. 1974.
3667. KAWABE, Y. Problems on the mechanization and improvement of farm works in upland agriculture in Kasanohara Plateau. (In Japanese) *Farm Work Res.* 21:36-47, illus. Aug. 1974. In South Kyushu.
3668. KOIKE, T. Problems of joint utilization of tractors from the viewpoint of rice nursery beds and readjust lands. (In Japanese) *Tohoku Agric. Res.* 15:39-42, illus. Apr. 1974.
3669. KOMORI, S. Analysis of labor for mechanized working on paddy field. *JARQ (Japan Agric. Res. Q.)* 8(3):150-152, illus. July 1974.
3670. KONGKAEOW, W. The adoption of farmers' association among farmers in Pila, Laguna, Philippines. College, Laguna, 1973. 139 p., illus., appendices. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
3671. KULP, E. M. Rural development planning; systems analysis and working method. New York, Praeger, 1970. 664 p., illus. Rice productivity operation in Madagascar, p.183-185.
3672. KUMAR, P. An economic study of water management programme in Sambalpur district (Orissa). *Indian J. Agric. Econ.* 29(2):43-51, illus. Apr.-June 1974. Includes irrigation of rice areas.
3673. LEE, H. K. Management of paddy field in early period. (In Korean) *Agric. Technol. [Korea]* 8(4):1-2, illus. June 1974.
3674. LEE, H. K. Management of paddy fields during July. (In Korean) *Agric. Technol. [Korea]* 8(5):1-2, illus. July 1974.
3675. LIN, P. T. Decreasing the requirement of chemical fertilizers and herbicides of paddy field and adopt another practice during the energy crisis. Taipei, Taiwan Provincial Department of Agriculture & Forestry, Aug. 1974. 4 p., photos.
3676. MANDAC, A. M. An economic analysis of factors affecting yields of rice in 1973-74 Central Luzon Farmer's field experiments. Los Baños, Laguna, IRRI, Agr. Econ. Dept., 1974. 8 p., tables, figs. Ref.
3677. MANTO, J. M., and TORRES, R. D. Sources and cost of credit to rice farmers in Central Luzon. Diliman, Q. C., National Food and Agriculture Council, June 1974. 16 p., illus.

3678. MATSUNO, T. The rice farming practice in Mekong Delta, Vietnam. I. On the possibility of mechanized farming. (In Japanese) *Jap. J. Trop. Agric.* 17(4):237-244, illus. Mar. 1974.
English summary.
3679. MSRA, A., and TOSH, G. C. Economics of nitrogen manuring to dwarf indica rice varieties. *Farm J. [India]* 15(3):9-11, illus. Jan. 1974.
3680. MONTGOMERY, R. D. The link between trade and labor absorption in rural Java: an input-output study of Jogjakarta. Ithaca, N. Y., 1974. 288 p., illus. Ref.
Thesis (Ph.D.)--Cornell University.
Includes labor in paddy production and rice trade.
3681. MORI, Y. Combining sericulture and other selected farm operations. II. Rice and wheat cropping. (In Japanese) *Sanshi Kenkyu (Acta Sericol.)* 87:13-22, illus. Mar. 1973.
3682. MORINIO, T. Cooperative organization of rice farming; present problems and development in future. (In Japanese) *Nogyo Kozo Mondai Kenkyu* 86:4-10. Nov. 1973.
3683. MUDA AGRICULTURAL DEVELOPMENT AUTHORITY and UNIVERSITY SAINS MALAYSIA. Land tenure survey, Farm locality D-II, Muda Irrigation Scheme; final report on work undertaken in 1973. Kuala Lumpur, Apr. 1974. 178 p., illus. Ref.
3684. MURSHED, S. M. M. An analysis of the effects of selected factors on minimum resource requirements with special emphasis on implications for farm firm growth in a major rice producing area of Texas. College Station, Texas, 1973. 163 p., illus. Ref.
Thesis (Ph.D.)--Texas A & M University.
3685. NEPAL. MINISTRY OF FOOD AND AGRICULTURE. ECONOMIC ANALYSIS AND PLANNING DIVISION. Farm management study in selected regions of Nepal, 1968-69. Kathmandu, 1971. 177 p., illus.
Economics of rice production, p.56-64.
3686. NICOLAS, J. S. Some aspects of farming and adoption of improved technology in Cavite. *J. Agric. Econ. Dev.* 4(1):46-64, illus. Jan. 1974.
3687. NOAKE, H. Actual condition of rice production adjustment up to 1972. (In Japanese) *Nogyo Kozo Mondai Kenkyu* 83:14-21, illus. Aug. 1973.
3688. OHARA, K. A study of farmers system on rice production. I. Prologue. (In Japanese) *Bull. Fac. Agric. Mie Univ.* 47:93-104, illus. Mar. 1974.
3689. OKA, T. The development works of the Kasanohara Plateau and the irrigation for upland fields. (In Japanese) *Farm Work Res.* 21:18-27, illus. Aug. 1974.
In South Kyushu.
3690. OMAR, A. H., WONG, H. S., and KASRYNO, F. Some aspects of labour utilization in the Muda Scheme. Kedah, Muda Agricultural Development Authority, Aug. 1974. 8 p., appendices. (MADA Publ. No.26)
3691. ORCINO, B. Economic aspects of hand tractor ownership and operation. (Paper presented at the Seminar on Farm Mechanization in Southeast Asia, Malaysia, 1972) 20 p., tables, figs.
3692. PADAO, L. O. An appraisal of the problems confronting the rice and corn farmers of Dipolog City and its neighboring municipalities. *OAR Q. [Philippines]* 2(2):1-14. Jan./Mar. 1974.
3693. PANTIN, D. A. The economics of rice production. In *Proc. Semin. 'Rice Growing - What are the Problems?'*, 1974, p.27-40, illus. St. Augustine, Trinidad, University of the West Indies, 1974.
Discussion, p.41.
3694. PARTHASARATHY, G. Breaking the barriers to changes in rice farming: systems of landholding. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 6 p., tables, map.
3695. PATEL, K. F., and PANDYA, D. N. Level of adoption of Massouri variety compared to potential area that can be put under Massouri variety in Navsari Taluka. *Bansilal Amrital Coll. Agric. Mag.* 25:17-20, illus. 1972/1973.
3696. PELLEGRINI, L. M., and others. Analise economica dos recursos utilizados na produçõo de arroz irrigado, no Vale do Paraíba, estado de Sao Paulo, 1969/70. [Economic analysis of resources used in the production of irrigated rice, at Vale do Paraíba, state of Sao Paulo.] *Agric. Sao Paulo* 20(1/2):185-209, illus. Ref. 1973.
E. M. Neves, H. F. de Noronha, and G. do Amaral, joint authors.
English summary.
3697. PENG, T. S. The development of mechanized rice culture and its problems in Taiwan. *Ind. Free China* 40:8-30, illus. Nov. 1973.

3698. PHILIPPINES (REPUBLIC). BUREAU OF AGRICULTURAL ECONOMICS. A farm management survey of Mindoro Oriental and Mindoro Occidental. Philipp. Agric. Situat. 11:75 p., illus. June 1974.
3699. PHILIPPINES (REPUBLIC). BUREAU OF AGRICULTURAL ECONOMICS. Farm wages, 1972-1973. Quezon City, n.d. 43 p., illus.
3700. POLITI, A. L'organizzazione dei lavori nelle operazioni di raccolta del risone. [Organization of labor during the harvesting of rice.] MMA (Macch. Mot. Agric.) 31(12):47-52, illus. Dec. 1973.
3701. POOKKACHATIKUL, J., and WELSCH, D. E. Thai rice premium data, 1954-1973. Bangkok, Dept. of Agricultural Economics, Kasetsart University, Jan. 1974. 24 p., illus.
3702. RALSTON, R. A. Economics of nitrogen fertilizer use on TN rice in Vietnam. In Fertilizer research in South Viet-Nam; papers presented at Fertilizer Research Seminar, Saigon, 1974, p.100-104.
3703. RAMOE, E. M., and DIONISIO, R. A. Costs and returns in partially-mechanized and nonmechanized farms, Central Luzon, 1973. I-II. Agric. Econ. Stat. Mark. News Dig. [Philippines] 8(13):3 p.; (14):4 p., illus. Mar. 27, 1974; Apr. 3, 1974.
3704. REYES, R. D. The economic and technical aspects of water application on rice. College, Laguna, 1972. 209 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines
3705. RICHARDSON, B. C. Distance regularities in Guyanese rice cultivation. J. Dev. Areas 8(2):235-255, illus. Jan. 1974.
3706. ROBERTSON, C. A. Economic analysis of ground water irrigation in Nueva Ecija, Philippines. Ithaca, N.Y., 1973. 255 p., illus. Ref. Thesis (Ph.D.)--Cornell University.
3707. RODRIGUEZ, G. R. Fertilizer: farm level use and aggregate demand. I. Fertilizer use at the farm level. Philipp. Agric. Situat. 11:1-66, illus. Dec. 1974.
3708. RYAN, J. G. Economist analyzes rice farming enterprises in NSW. Ricemill News 10(5):20-23, illus. Jan./Feb. 1974.
3709. SAKAI, M., and KURATA, K. Recent circumstances of the work process and the organization for rice cropping in Niigata Plain. (In Japanese) Farm Work Res. 20:61-67, illus. 1974.
3710. SANTOS MENDES, F. DOS. Custo da irrigação: insumo moderno. [Cost of irrigation: modern input.] Lav. Arroz. 26 (275):33-34, illus. Sept./Oct. 1973.
3711. SARDIDO, M. L. Analysis of income and resource productivity of alternative rice farm cropping patterns in Bicol. College, Laguna, 1974. 137 p., illus. Ref. Thesis (M.S.)--University of the Philippines at Los Baños.
3712. SCHLUTER, M. Differential rates of adoption of the new seed varieties in India; the problem of the small farm. Occas. Pap. Dep. Agric. Econ. Cornell Univ. 47, 61 p., illus. Ref. Aug. 1971.
3713. SCHLUTER, M., and MELLOR, J. W. New seed varieties and the small farm. Econ. Polit. Wkly. 7(13):A-31-A-36, illus. Ref. Mar. 25, 1972. Mainly rice and bajra.
3714. SCHLUTER, M. G. G. and PARIKH, G. O. The interaction of co-operative credit and uncertainty in small farmer adoption of the new cereal varieties. Occas. Pap. Dep. Agric. Econ. Cornell Univ. 61, 18 p., illus. Ref. July 1974.
3715. SCHLUTER, M. G. G. The interaction of credit and uncertainty in determining resource allocation and incomes on small farms, Surat District, India. Ithaca, N.Y., 1973. 199 p., illus. Ref. Thesis (Ph.D.)--Cornell University.
3716. SCHLUTER, M. G. G. The interaction of credit and uncertainty in determining resource allocation and incomes on small farms, Surat District, India. Occas. Pap. Dep. Agric. Econ. Cornell Univ. 68, 76 p., illus. Ref. Feb. 1974.
3717. SCHLUTER, M. G. G. Management objectives of the peasant farmer: an analysis of risk aversion in the choice of cropping pattern, Surat District, India. Occas. Pap. Dep. Agric. Econ. Cornell Univ. 78, 22 p., illus. Ref. Oct. 1974.
3718. SHIM, Y. K. The problems of fertilizer use by farmers in Korea. J. Korean Soc. Crop Sci. 11(11):127-131, illus. July 1972.
3719. SHINBO, S. Result of 5-years RP-Japan pilot farm in the Philippines. Farming Japan 8(4):11-17, illus. 1974. Agricultural technical cooperation in rice production.
3720. SHIRASAKI, T. Formation and reorganization of rice production system and its factors. (In Japanese) Agric. Hort. 49(4):489-494, illus. Apr. 1974.

3721. SHUKLA, V. P. An economic analysis of farm resource use, Jabalpur district, Madhya Pradesh, India, 1967-68. Occas. Pap. Dep. Agric. Econ. Cornell Univ. 26, 75 p., illus. Jan. 1970.
3722. SILVA, P. D. DA, and others. Estudo sobre o custo de produção do arroz no Rio Grande do Sul, safra 1973/74. [Study on the cost of rice production in Rio Grande do Sul, 1973/74.] Lav. Arroz. 27(278):4-28, 30-31, 33-43, illus. Mar./Apr. 1974.
C. de Jesus Gotuzzo, A. Herzog, F. V. Pereira, and L. Rossi, joint authors.
3723. SILVA, S. L. B. F. DA, and others. Economicidade dos insumos agropecuarios na cultura do arroz - Região de Viçosa - Zona da Mata - Minas Gerais. [Economics of agricultural inputs in rice production in the Region of Viçosa, Zona da Mata, Minas Gerais.] Experimentiae 18(3):59-72, illus. Aug. 1974.
J. L. e Silva, T. D. Teixeira, and D. S. Rocha, joint authors.
English summary.
3724. SITISARA, A. Factors associated with the adoption of rice farm practices in Kampangsaen Secondary School in Thailand. College, Laguna, 1972. 91 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3725. SLADE, R. H. Some aspects of investment appraisal related to irrigation and small farmer projects. (Paper presented at the National Seminar on Water Management at the Farm Level, Alor Star, Malaysia, 1973) 20 p.
3726. SOERATMAN. Usaha tani dan pemasaran daerah proyek transmigrasi persawahan pasang surut Kalimantan tengah dan Kalimantan selatan. [Farm management and marketing of tidal swamp rice transmigration project at Central and South Kalimantan.] (Paper presented at the Conf. on Tidal Swamp Rice, Banjarmasin, Indonesia, 1973) 14 p.
3727. SPENCER, D. S. C. Micro-level farm management and production economics research among traditional African farmers: lessons from Sierra Leone. East Lansing, Michigan, Dept. Agr. Econ., Michigan State University, Sept. 1972. 29 p., illus. Ref. (Afr. Rural Employment Pap. No. 3)
Rice production in Sierra Leone.
3728. STANGEL, P. J. Small farmer income and production. Manila, U.S. Agency for International Development, 1974. 86 p., illus. (Consultancy Report No. 8)
3729. STIER, H. Fertiliser distribution in Ivory Coast. Paris, Development Centre of O. E. C. D., 1972. 91 p., illus.
Includes rice.
3730. SUBBARAMA RAJU, K. The economics of paddy production in West Godavari district (Andhra Pradesh). Andhra Agric. J. 19(3/4):83-88, illus. May-June/July-Aug. 1972.
3731. TAI, H. R. The method and income of mechanize co-operative farming in Chao-Chou, Taiwan. (In Chinese) Bank Taiwan Q. 25(4):276-289, illus. Dec. 1974.
3732. TAKAYA, Y., and TOMOSUGI, T. Paddy fields along the Mekong River. (In Japanese) Ajia Keizai 15(11):64-68, illus. Nov. 1974.
3733. TAKEMOTO, H. The way to enlarge farms to 15 ha for rice culture. 1-5. (In Japanese) Agric. Hortic. 49(8):1045-1049; (9):1194-1198; (10):1313-1317; (11):1432-1437; (12):1553-1558, illus. Aug.-Dec. 1974.
3734. THOMPSON (J. WALTER) COMPANY, PHILIPPINES. A survey on Masagana 99 among small landowners in Visayas and Mindanao. Manila, 1974. 15 p.
3735. TIMMER, C. P. The demand for fertilizer in developing countries. Food Res. Inst. Stud. Stanford Univ. 13(3):197-224, illus. Ref. 1974.
3736. TOQUERO, Z. F. The economics of pump irrigation in lowland rice production, Cabuyao, Laguna, 1964-1969. (Paper presented at the Seminar on Farm Mechanization in Southeast Asia, Malaysia, 1972) 8 p., tables.
3737. TOSUNTHORN, S., CHOTINARUEMOL, P., and WAGNER, M. M. Demand for fertilizer in Thailand. Bangkok, Kasetsart Univ. Fac. Econ. Bus. Admin., Oct. 1970. 64 p., illus. (Kasetsart Econ. Rep. No. 32)
3738. TSUCHIYA, K. Economics of farm mechanization in Japan. In Pap. Int. Conf. Trop. Subtrop. Agric., p. 27-31. St. Joseph, Michigan, American Society of Agricultural Engineers, 1972.
3739. TSUNEAKI, M. Accounting study of contract on rice crop. (In Japanese) J. Rural Probl. 10(2):88-95, illus. Sept. 1974.
3740. UTTAR PRADESH AGRICULTURAL UNIVERSITY. Changing agriculture in two regions of Uttar Pradesh in 1969-70. Pantnagar, U. P., 1970. 22 p., tables.
3741. WANG, S. H., and APHORPE, R. Rice farming in Taiwan: three village studies. Nankang, Taipei, Institute of Ethnology, Academia Sinica, 1974. 274 p., illus. (Monogr. Ser. B No. 5)

3742. WICKHAM, G., and WICKHAM, T. An evaluation of two alternatives of water-sharing among farmers. Volume I. [N.p.] Aug. 1974. 36 p., appendices. Ref.
3743. WICKHAM, G., TORRES, E. B., and CASTILLO, G. T. The farmer's laborer (an exploratory study in Laguna, Philippines). Los Baños, Laguna, U.P. at Los Baños, College of Agriculture, June 1974. 84 p., illus., maps.
3744. WILLIAMS, J. F. Rice production costs: Sutter, Yuba, Sacramento and Placer counties. Berkeley, Calif., Univ. of California, Agricultural Extension Service, Mar. 1974. 12 p., illus.

MARKETING, TRADE, AND PRICES

3745. ALDINGTON, T. J., and SMITH, L. D. The scheme and rice marketing in Kenya. *In* Chambers, R., and Moris, J. MWEA: an irrigated rice settlement in Kenya, p.335-332, illus. München, Weltforum Verlag, 1973.
3746. BALDWIN, W. L. The Thai rice trade as a vertical market network: structure, performance, and policy implications. *Econ. Dev. Cult. Change* 22(2):179-197, illus. Jan. 1974.
3747. BHATI, U. N. Adoption of modern rice technology and factor-product prices. (Paper presented at the International Rice Research Conference, Los Baños, Laguna, IRRI, 1974) 11 p.
3748. BLACK, W. E., and STELLY, R. A plan for marketing rice in Texas. *Texas Agric. Ext. Serv. Misc. Publ.* 1008, 12 p., illus. 1971.
3749. CHAVEZ V., A. Estructura de precios relativos del arroz en función del transporte y almacenamiento. [Structure of relative prices of rice in function of transportation and storage.] *Arroz [Peru]* 8(43):51-54, illus. May/June 1974.
3750. DANDEKAR, V. M. Repercussions of food surpluses in industrialized countries on economic growth in developing countries. *In* Economic problems of agriculture in industrial societies; proc. conf., p.182-205. London, Macmillan, 1969.
Rice imports and exports.
3751. DETHLOFF, H. C. The price of rice: yesterday and today. *Rice J.* 77(1):8,19, illus. Jan. 1974.
3752. DRILON, J. D., and DARRAH, L. B. A rice futures market. *Econ. Res. J.* 20(1/2):19-31, illus. June/Sept. 1973.
3753. ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST. Development of agriculture in the ECAFE region: report of the Intergovernmental Meeting on the Establishment of an Asian Rice Trade Fund. Tokyo, 1973. 18 p.
3754. EILAND, J. C. U.S. rice distribution patterns, 1972/73. U.S. Dep. Agric. Econ. Res. Serv. ERS-567, 19 p., illus. 1974.
3755. EVENSON, R. E., HOUCK, J. P., and RUTTAN, V. W. Technical change and agricultural trade: three examples--sugarcane, bananas, and rice. *In* The technology factor in international trade, p.415-480, illus. Ref. New York, National Bureau of Economic Research, 1970.
Comment by N. Rosenberg, p.481-483.
3756. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. INTERGOVERNMENTAL GROUP ON RICE. Confidential forecasts of export availabilities and import requirements in 1974. Rome, 1974. 6 p.
3757. GOLDMAN, R. H. Seasonal production instability and price formation in Indonesian rice markets, 1951-1970. Stanford, Calif., 1973. 101 p., illus. Ref.
Thesis (Ph.D.)--Stanford University.
Abstract in *Diss. Abstr. Int.* A 34(12):7423-A. June 1974.
3758. GOLDMAN, R. H. Seasonal rice prices in Indonesia, 1953-1969: an anticipatory price analysis. *Food Res. Inst. Stud.* Stanford Univ. 13(2):99-143, illus. Ref. 1974.
3759. GOODMAN, R. J. United States agricultural trade in the Pacific rim: marketing agricultural products, approaches, and accomplishments. *Can. J. Agric. Econ.* (1973 C.A.E.S. Workshop Proc.):1-17, illus.
Includes rice.
3760. GUPTA, V. K. Study report on the Paddy Marketing Board's areas of organizational concerns and change. Colombo, Sri Lanka, 1974. 48 p., illus.
3761. HENDERSON, P. L. American long grain rice; sales impact of a promotional program in France. U.S. Dep. Agric. Econ. Res. Serv. Mark. Res. Rep. 1022, 37 p., illus. Apr. 1974.

3762. HUANG, T. C. A study of the rice price variation in Taiwan in recent years. (In Chinese) Q. J. Taiwan Land Credit 11(4):77-92, illus. Dec. 1974.
3763. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Appraisal of an integrated agricultural development project, Sierra Leone. Its Rep. No. PA-104b, 2 p., illus., annexes, map. [Washington, D. C.] 1972. Arrangements for rice marketing, Annex 1.
3764. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT. Market prospects for rice; framework for commodity lending in 1973-1974. [Washington, D. C.] 1972. 19 p., annex.
3765. JELLEMA, B. M. Notes on the world market for rice and the availability of food in the WARDA countries. (Paper presented at the WARDA Seminar on Socio-Economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 14 p., illus.
3766. JOHNSON, D. G. World agriculture in disarray. London, Macmillan, 1973. 304 p., illus.
International trade in rice, p. 154-156.
3767. MACHADO, S. S. Variação estacional do preço do arroz. [Seasonal variation of price of rice.] Lav. Arroz. 28(275):45-47, illus. Sept./Oct. 1973.
3768. MOORE, J. R., JOHL, S. S., and KHUSRO, A. M. Indian foodgrain marketing. New Delhi, Prentice-Hall of India, 1973. 188 p., illus. Ref.
Includes paddy rice.
3769. MORRISON, B., and MULLINS, T. Economic and marketing research. Rice J. 77(7):30. July 1974.
3770. MORRISON, W. R. Export markets for Arkansas rice. Ark. Farm Res. 23(6):2, illus. Nov./Dec. 1974.
3771. NIHON KEIZAI SHIMBUN-SHA. SHOHINBU. Free trade of rice. (In Japanese) Tokyo, 1970. 202 p., illus.
3772. NYANTENG, V. K., and APELDOORN, G. J. VAN. Some development implications of farmers' problems in marketing their foodcrops. In Factors of Agricultural Growth in West Africa; Proc. Int. Conf., Legon, 1971, p. 263-277, illus. Legon, Institute of Statistical, Social and Economic Research, Univ. of Ghana, 1973.
Includes rice.
3773. O'CARROLL, F. X., and TRAYLOR, H. D. Pricing of medium grain rough rice in Louisiana. La. Rural. Econ. 36(1):4-6, illus. Feb. 1974.
3774. OWENS, T. R. Paddy and rice losses in the marketing system. Saigon, USAID/ADFA, Apr. 1973. 13 p., illus.
3775. OWENS, T. R., CARPENTER, J. R., and CLARK, V. A proposal to improve paddy and rice marketing in South Vietnam. Saigon, U.S. Agency for International Development, Oct. 1972. 48, 2 p., illus. Ref.
3776. PHILIPPINES (REPUBLIC). BUREAU OF AGRICULTURAL ECONOMICS. Prices paid by farmers, 1973. Quezon City, n.d. 46 p., illus.
3777. PHILIPPINES (REPUBLIC). BUREAU OF AGRICULTURAL ECONOMICS. Prices received by farmers, 1957-1968 and prices paid by farmers, 1959-1968. Quezon City, 1974. 284 p.
3778. PHILIPPINES (REPUBLIC). BUREAU OF AGRICULTURAL ECONOMICS. Prices received by farmers, 1973. Quezon City, n.d. 50 p., illus.
3779. PHILLIPS, R., and KELLY, P. L. Evaluation of the grain management program simulation model being developed for Korea by Michigan State University. Manhattan, Kansas, Food and Feed Grain Institute, Kansas State Univ., Feb. 1974. 86 p. (Rep. No. 44)
Includes rice.
3780. PHILLIPS, R. Needs and opportunities for improved grain marketing in Panama; executive digest. Manhattan, Kansas, Food and Feed Grain Institute, Kansas State Univ., Mar. 1973. 44 p., illus. (Rep. No. 36)
3781. PHILLIPS, R., and DO SUP CHUNG. Priorities for improving grain marketing in Indonesia. Manhattan, Kansas, Food and Feed Grain Institute, Kansas State Univ., June 1973. 22 p., illus. (Rep. No. 39)
Includes rice.
3782. PHILLIPS, R. Recommendations for improving Philippine grain marketing and price stabilization programs. Manhattan, Kansas, Food and Feed Grain Institute, Kansas State Univ., 1974. 42 p., illus.
3783. QURESHI, S. K. The performance of village markets for agricultural produce: a case study of Pakistan. Pak. Dev. Rev. 13(3):280-307, illus. Ref. Autumn 1974.
Includes paddy.

3784. SINGH, R., and GEORGE, M. V. Marketing of rice in the Punjab. Ludhiana, Punjab Agricultural University, 1971. 121 p., illus.
3785. SPENCER, D. S. C. Rice production and marketing in Sierra Leone. In *Factors of Agricultural Growth in West Africa*; Proc. Int. Conf., Legon, 1971, p.217-239, illus. Ref. Legon, Institute of Statistical, Social and Economic Research, Univ. of Ghana, 1973.
3786. SUZUKI, N. Economic analyses of rice distribution in the Showa stage. 6. (In Japanese) *J. Rural Commun. Stud.* 39:58-71, illus. Sept. 1974.
3787. TALL, M. The cost of price of paddy in Senegal. (Paper presented at the WARDA Seminar on Socio-economic Aspects of Rice Cultivation in West Africa, Monrovia, 1974) 9 p.
3788. THAKUR, D. S. Foodgrain marketing efficiency: a case study of Gujarat. *Indian J. Agric. Econ.* 29(4):61-74, illus. Ref. Oct./Dec. 1974.
3789. TIMMER, C. P. A model of rice marketing margins in Indonesia. *Food Res. Inst. Stud. Stanford Univ.* 13(2):145-167, illus. Ref. 1974.
3790. TSUJII, H. An econometric model of the international rice market and analyses of the national rice policies in Thailand, Indonesia, Japan, and the United States. *Cent. Southeast Asian Stud. Kyoto Univ. Discuss. Pap.* 75, 78 p., illus. July 1974.
3791. TUBPUN, S. The price analysis and the rate of return on holding rice and paddy in Thailand. Bangkok, 1974. 121 p., illus. Ref.
Thesis (M.S.)--Thammasat University.
3792. WHOLESALE and retail prices of some farm products: Central Luzon, 1972. *Philipp. Agric. Situat.* 10:43-52, illus. Dec. 1973.
Includes palay and rice.
3793. ZAMAN, M. R., and ASADUZZAMAN, M. An analysis of rice prices in Bangladesh, 1951-52 to 1967-68. Dacca, Bangladesh Institute of Development Economics, July 1972. 35 p., illus., tables. Ref. (Res. Rep. Ser. New Ser. No.2)

STATISTICS AND STATISTICAL METHODS

3794. ANDEN, T. L. Data series on rice statistics, Philippines. Los Baños, Laguna, International Rice Research Institute, June 1974. 1 v. (various pagings)
3795. AREAS for potential rice expansion. *Rice J.* 77(9):9, illus. Sept. 1974.
3796. ARESVIK, O., KREIDY, M., and RASHED, S. Selected agricultural statistics in ranked order for countries of the Near East region (extended and revised). Beirut, Lebanon, Ford Foundation, Aug. 1973. 66 tables.
Rice, tables 34-36.
3797. BANGLADESH. MINISTRY OF AGRICULTURE. Bangladesh agriculture in statistics. Dacca, 1973. 156 p. (Stat. Ser. No.1)
3798. BERNARDO, R. C. Sampling technique for estimation of rice stemborer's incidence in farmers' fields. College, Laguna, 1971. 69 p., illus. Ref.
Thesis (M.S.)--College of Agriculture, University of the Philippines.
3799. CLAUSTRIAUX, J. J., and ROUSSEAUX, G. Analyse statistique de resultats d'essais a blanco. [Statistical analysis of results of blank tests.] *Biometrie-Praximetrie* 14(1/2):57-79, illus. Ref. 1974.
Materials used include rice.
Planning of field experiments.
3800. DUANGRATANA, S., and GOMEZ, K. A. Sampling for plant height and panicle number in replicated rice trials in Thailand. *Thai J. Agric. Sci.* 7(2):85-92, illus. Apr. 1974.
3801. FIELDER, L. L., and PARKER, C. O. Louisiana crop statistics, by parishes, through 1970 for cotton - rice - corn - soybeans - wheat - sorghums - sugar cane. La. State Univ. D.A.E. Res. Rep. 433, unpagged. Apr. 1972.
3802. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO rice report, 1973/74. Rome, 1974. 32 p., illus.

3803. INSTITUTO RIO GRANDENSE DO ARROZ, BRAZIL. Anuario estatístico do arroz, safra 1971/72. [Rice statistical annual, season 1971/72.] Porto Alegre, 1973. 131 p.
3804. JAPAN. MINISTRY OF AGRICULTURE AND FORESTRY. STATISTICS AND SURVEY DIVISION. Survey data on rice production cost, 1970. (In Japanese) Tokyo, Norin Tokai Kyokai, 1972. 232 p. (Norin Suisan Tokai Hokoku 47-30)
3805. JAPAN. MINISTRY OF AGRICULTURE AND FORESTRY. STATISTICS AND SURVEY DIVISION. Survey data on rice production cost, 1971. (In Japanese) Tokyo, Norin Tokai Kyokai, 1973. 223 p. (Norin Suisan Tokai Hokoku 48-9)
3806. JAPAN. MINISTRY OF AGRICULTURE AND FORESTRY. STATISTICS AND SURVEY DIVISION. Survey data on rice production cost, 1972. (In Japanese) Tokyo, Norin Tokai Kyokai, 1974. 143 p. (Norin Suisan Tokai Hokoku 49-7)
3807. MOON, P. Y., and YOO, B. S. A review of the crop production estimates and key statistics related to grain policy (Korea). Seoul, Korea Development Institute, 1974. 66 p., illus.
3808. OÑATE, B. T. Toward improvement of rice statistics in the Asean region. (Paper presented at the Workshop on the Collection of Rice Production Statistics, Kuala Lumpur, 1973) 46 p., illus.
3809. PALANISWAMY, K. M. Sampling in rice experimental plots. College, Laguna, 1971. 84 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
3810. PSITHPUN, S. Fertilizer response of rice under varying environment and management practices. College, Laguna, 1973. 176 p., illus. Ref. Thesis (M.S.)--University of the Philippines at Los Baños. Statistical analysis.
3811. PORDESIMO, J. N., and ALIX, J. C. Analysis of data on palay threshed and palay stocks in warehouses in Nueva Ecija. I-II. Agric. Econ. Stat. Mark. News Dig. [Philippines] 8(7):1-4; 8(8):1-7, illus. Feb. 13, 1974; Feb. 20, 1974.
3812. RATHOD, K. L. Imbalances in Indian agriculture and green revolution. Agric. Agro-Ind. J. 7(1):16-22, illus. Jan. 1974. Includes statistics on rice production and productivity, area under high yielding varieties, and production and per capita availability of rice in India.
3813. RICE MILLERS' ASSOCIATION. Estimate of acreage planted on rice in 1974. Rice J. 77(7):20. July 1974.
3814. RICE MILLERS' ASSOCIATION. Estimate of rice production in 1974. Washington, D. C., 1974. 1 p.
3815. RICE MILLERS' ASSOCIATION. Rice production report 1973. Rice J. 77(2):26-27, illus. Feb. 1974.
3816. SARAWAK. DEPT. OF AGRICULTURE. Agricultural statistics of Sarawak, 1973. Kuching, n.d. 126 p. Rice, p.37-57.
3817. SINGH, I., and DAY, R. H. Estimating single nutrient yield response surfaces for new varieties with limited data. Indian J. Agric. Econ. 29(4):1-19, illus. Ref. Oct./Dec. 1974.
3818. SRIDODO. Sampling in broadcast rice plots. College, Laguna, 1972. 85 p., illus. Ref. Thesis (M.S.)--College of Agriculture, University of the Philippines.
3819. UNIVERSITY OF THE PHILIPPINES AT LOS BAÑOS. DEPT. OF AGRICULTURAL ECONOMICS. Cost of producing palay in Laguna (Dry season, 1973-1974). College, Laguna, Dec. 1974. 33 p., illus. (Ser. No.6) Statistics.
3820. UNYAVONG, N. Sampling for yield components in rice replicated field. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.665-672, illus. Bangkok, 1974. English summary.
3821. WESKOSITH, P. Sampling for yield estimation in rice farmer's field. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.657-664, illus. Bangkok, 1974. English summary.
3822. WESKOSITH, P. Statistical study of sampling technique to determine the optimum size of plot. (In Thai) In Thailand. Rice Dept. Annual research report, 1971, p.673-680, illus. Bangkok, 1974. English summary.
3823. YAP, T. C. Coefficients for the estimation of leaf area of rice (*Oryza sativa* L.). Malays. Agric. Res. 2(1):93-96, illus. Ref. 1973.

CROP AND YIELD ESTIMATING AND FORECASTING, YIELD ANALYSIS

3824. ALKAMPER, J. Effects and consequences of the national yield trials on the cereal production of Ethiopia. *In* Institute of Agricultural Research, Ethiopia. Proc. Annual Research Seminar, 1973, p.28-38, illus. Addis Ababa, 1974. Includes rice.
3825. BANERJEE, A. K., and MEHROTRA, P. C. Study of association of yield and some factors influencing it for high yielding varieties of rice in selected districts of Tamil Nadu. *Agric. Situat. India* 29(8):565-570, illus. Nov. 1974.
3826. DAS, J. C., MEHRA, A. K., and MADNANI, M. L. Forecasting the yield of principal crops in India on the basis of weather-paddy/rice. *Indian J. Meteorol. Geophys.* 22(1):47-58, illus. Jan. 1971.
3827. DE VRIES, C. A. Increasing crop yields--relative potential of specific crops by region and/or country. *In* Man, food, and nutrition, p.109-125, illus. Ref. Ohio, CRC Press, 1973.
3828. HELLIER, W. L. Techniques for forecasting and reporting crop harvests. *Ricemill News* 10(6):55-58, illus. June/July 1974.
3829. JAPAN. MINISTRY OF AGRICULTURE AND FORESTRY. STATISTICS AND SURVEY DIVISION. Results of investigation of rice crop condition classified by sample field under different production conditions. (Analytical result of rice yield factors: results from sample plot for rice yielding condition in 1967). (In Japanese) Tokyo, 1969. 185 p.
3830. LENKA, D., and MISRA, B. Path-coefficient analysis of yield in rice varieties. *Indian J. Agric. Sci.* 43(4):376-379, illus. Apr. 1973.
3831. MATSUZAKI, A., MATSUSHIMA, S., and TOMITA, T. Analysis of yield-determining process and its application to yield-prediction and culture improvement of lowland rice. CXIX-CXX. (In Japanese) Proc. Crop Sci. Soc. Japan 43 (2):161-166; 167-173, illus. June 1974.
English summaries.
CXIX. On the evaluation of the nitrogen restriction effect by means of the leaf color and the percentage of stained length of leaf sheath; CXX. Effects of the nitrogen restriction on the grain yield judged from the growth amount, the leaf color and the percentage of stained length of leaf sheath.
3832. NODA, M., FUJITA, Y., and KIMURA, K. Analysis of main causes for decrease of rice yield during 1972 in Niigata Prefecture. (In Japanese) *Hokuriku Crop Sci.* 8:24-27, illus. 1973, pub. Mar. 1974.
3833. SAO PAOLO (STATE). INSTITUTO DE ECONOMIA AGRICOLA. Prognostico '74/75(1) [Forecast '74/75.] Sao Paolo, 1974. 198 p., illus.
Rice, p.89-94.
3834. THAILAND. NATIONAL STATISTICAL OFFICE. Final report, crop cutting survey 1971. Bangkok, 1974. 69 p., illus.
Thai and English texts.

TRANSLATIONS

- ACADEMIA SINICA. RICE SCIENTIFIC-TECHNICAL GROUP. Preliminary summary of the cultivating techniques in the 1965 bumper rice harvest in the south. *Chung-Kuo Nung-yeh K'o-hsueh* 2:12-22. Feb. 1966.
- ANDO, T., and ESHIKAWA, K. An examination of the endosperm structure of rice grain with a transmission and a scanning electron microscope. *J. Ferment. Technol.* 52(1):46-57. 1974.
- FUJII, H., and others. Variation in the virulence of Xanthomonas oryzae. I. *Ann. Phytopathol. Soc. Japan* 40(3):199. 1974. (Abstr. no.130)
- FUKAMI, T. Antibiotic substance against Xanthomonas oryzae, produced in rice plant cells. III. *Ann. Phytopathol. Soc. Japan* 40(3):200. 1974. (Abstr. no.134)
- HINO, G., and others. Studies on ecology of brown planthopper and white-back planthopper in Miyagi Prefecture. I. Microclimate of paddy field for heavy and light occurrence of brown planthopper. *Annu. Rep. Soc. Plant Protect. North Japan* 21:44. 1970.
- HORINO, O., and YAMADA, M. Virulence of single-cell isolates of rice leaf blight bacteria, Xanthomonas oryzae. *Ann. Phytopathol. Soc. Japan* 40(3):199. 1974. (Abstr. no.129)
- ICHIMARU, M., and SUENAGA, H. On the insect pattern occurred in the paddy rice field cultured in late period. *Kyushu Agric. Res.* 16:111. 1955.
- ICHIMARU, M., and SUENAGA, H. On the insect patterns occurring in the early cultivated paddy field. *Kyushu Agric. Res.* 17:111-112. 1956.
- INSTITUT DE RECHERCHES AGRONOMIQUES TROPICALES ET DES CULTURES VIVRIERES. SERVICE RIZ. Agronomic research for the reclamation development of rice culture of 30,000 has. of floodable basins in the Senegal river delta. [n.p., n.d.] 24 p.
- ISAKA, M. Application of B. E. method for detecting X. oryzae, leaf blight bacteria of rice. *Ann. Phytopathol. Soc. Japan* 40(3):199. 1974. (Abstr. no.131)
- ISHIKAWA, R. Method of preparing wax polish from rice bran wax. Bangkok, Thai National Documentation Centre, 1967. 5 p.
- ITO, H., and others. Studies on epidemiology and control of bakanae-disease of rice plant. *Bull. Yamagata Agric. Exp. Stn.* 8:97-117. 1974.
- IWAHASHI, T., and GOTO, S. Ecological and therapeutical studies on the yellow dwarf disease of rice plants. IV. Relationship between growth stage of rice plants and disease infection or its damage. *Proc. Assoc. Plant Protect Kyushu* 10:103-105. 1965.
- JAPAN. AGRICULTURE, FORESTRY AND FISHERIES RESEARCH COUNCIL. Spontaneous mutation in the pathogenicity of Pyricularia oryzae. In *Its Fundamental studies on epidemic of blast disease on resistant rice varieties from the viewpoint of breeding*, p.91-99. Tokyo, 1973.
- JOHRAKU, T., and others. Relation between the condition of migration or the weather of propagation season and the abundance of the white back planthopper, Sogatella furcifera (Horvath). *Proc. Assoc. Plant Protect. Hokuriku* 22:34-38. 1974.
- KALININSKAYA, T. A., and others. Nitrogen fixing activity of soil under rice crop studies by an acetylene reduction assay. *Mikrobiologiya* 42(3):481-485. 1973.
- KOGA, H., and MIYAHARA, K. Studies on the forecasting of the rice stem borer, Chilo suppressalis Walker. 5. Development of larva in water-oats. *Proc. Assoc. Plant Protect. Kyushu* 19:84-87. 1973.
- KUREHA, S., and others. Life history and control of mole cricket, Gryllotalpa africana Poliset de Beauvois. *Proc. Kanto-tosan Plant Protect. Soc.* 21:192-197. 1974.
- MATSUMOTO, S., and others. Bacterial exudation technique applied to the outdoor samples of rice plants and wild grasses. *Ann. Phytopathol. Soc. Japan* 40(3):199-200. 1974. (Abstr. no.132)
- MIYAJIMA, K. Serological relationship among rice sheath rot bacteria, Pseudomonas alboprecipitans, and Pseudomonas oryzaicola. *Ann. Phytopathol. Soc. Japan* 40(3):200-201. 1974. (Abstr. no.136)
- MURAKAMI, M., and others. Fundamental studies on the forecast of the smaller brown planthopper. 6. On the relation between the period of occurrence of the first adults and the quantity of occurrence of the first generation nymphs. *Proc. Kanto-tosan Plant Protect. Soc.* 21:81-82. 1974.

- NAKA, J., and others. Effects of temperature and light at indoor nursery stage on the character of young rice seedlings. Proc. Shikoku Br. Crop Sci. Soc. Japan 5:31. 1968.
- NAKA, J., and others. Effects of temperature and light at indoor nursery stage on the character of young rice seedlings. Proc. Shikoku Br. Crop Sci. Soc. Japan 6:19-23. 1968.
- NARKSWASDI, U. Rice milling. Bangkok, Ministry of Agriculture, Division of Agricultural Economics. 1968? 23 p., illus.
- NIREI, M., and EMURA, K. On the outbreak of green rice leafhopper, Nephotettix cincticeps Uhler, and its some occurrence factors. Proc. Assoc. Plant Protect. Hokuriku 22:32. 1974.
- OKAMOTO, D., and ABE, Y. Effect of the difference in planting time of rice crop on insect pests. Bull. Chugoku Agric. Exp. Stn. 4(2):295-313. 1960.
- REYNIERS, F. R. Varietal resistance to drought of rainfed rice. In His Progress report. Bouake, Ivory Coast, IRAT Station de Bouake. 5 p.
- SAKAGUCHI, S. Linkage studies on the resistance to bacterial leaf blight, Xanthomonas oryzae (Uyeda et. Ishiyama) Dowson, in rice. Bull. Natl. Inst. Agric. Sci. [Japan] D 16:1-18. 1967.
- SATO, K. Repeated short-day treatment for shortening breeding cycle. Tokyo, Ministry of Agriculture and Forestry, 1964. 40 p., illus.
- SEKIGUCHI, W., and JOHRAKU, T. On the efficiency of the sweeping method by comparison with the sighting method on the green rice leafhopper, Nephotettix cincticeps Uhler. Proc. Assoc. Plant Protect. Hokuriku 22:25-29. 1974.
- SHIMOYAMA, N., and WATANABE, M. Method of labeling Xanthomonas oryzae by ¹⁴C-glucose. Ann. Phytopathol. Soc. Japan 40(3):200. 1974. (Abstr. no.133)
- SUZUKI, Y., and KIRITANI, K. Reproduction of Lycosa pseudoannulata (Boesenberg et Strand) (Araneae: Lycosidae) under different feeding conditions. Jap. J. Appl. Entomol. Zool. 18(4):166-170. 1974.
- TABEI, H., and EAMCHIT, S. Bacteriophage type of Xanthomonas oryzae, and the source of disease infection of bacterial leaf blight in Thailand. Ann. Phytopathol. Soc. Japan 40(3):200. 1974. (Abstr. no.135)
- TAKAHASHI, A., and others. A trial on reduction of pesticidal applications for lessening cost in a cooperative rice culture area. Proc. Kanto-tosan Plant Protect. Soc. 21:23. 1974.
- TAKANO, S., and others. Studies on the occurrence of rice yellow dwarf disease. I. Influence of transplanting period. Proc. Kanto-tosan Plant Protect. Soc. 10:1. 1963.
- TAKAYAMA, T., and others. The relation between density of green rice leafhopper and damage of rice plants. Proc. Kanto-tosan Plant Protect. Soc. 21:84. 1974.
- TAKEDA, S., and others. Simultaneous control of rice sheath blight and green rice leafhopper. Proc. Kanto-tosan Plant Protect. Soc. 21:24. 1974.
- TERAUCHI, M., and NAKAMURA, K. Effect of night illumination on rice varieties. Proc. Kinki Symp. Crop Sci. Plant Breed. Soc. 15:1-3. 1970.
- WAKAMATSU, T., and KATO, S. On the number of times of molting and the periods of instar of rice stem borers, Chilo suppressalis Walker, in the first generation. Proc. Assoc. Plant Protect. Hokuriku 22:23-25. 1974.
- YAMANE, I. Re-examination of the results of experiments on continuous application of compost on crop yield. 1-2. Agric. Hort. 49(6):723-727; (7):848-852. 1974.
- YASUO, S., and others. Studies on the occurrence of rice yellow dwarf disease. II. Some experiments on primary and secondary infection. Proc. Kanto-tosan Plant Protect. Soc. 10:2. 1963.

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	2744 2991	Akbar, M.		333		3303
Abraham, E. V.	3037	Akihama, T.	467	468	Andrade, V. A.	1821 1835
Abrol, I. P.	993 1177	Akino, M.		650		1836
	1410	Akinsola, E. A.	469	3320	Andreova, I. N.	436
Abruna, F.	890	Akiyama, H.		2712	Andriyushin, M. A.	1985 1986
Abu, J. F.	2389	Akiyama, M.		3367	Anema, L. S.	163
Abu Bakr, M.	2397	Akizawa, K.		1338	Angeles, H. L.	1987
Acad. Sin. Inst. Bot.	1 125	Akrasanee, N.		2204	Angledette, A.	4
Acad. Sin. Inst. Genet.	435	Aksenova, I.		3461	Anikanova, Z. F.	3244
Acad. Sin. Shanghai		Akutsu, T.		921	Anjaneya Sarma, D.	1414
Inst. Biochem.	2329	Alam, M.		1689	Anjaneyulu, A.	2331- 2333
Acasio, U. A.	3136	Alam, M. Z.	2713-	1984		2859
Achuthan Nayar, M.	158		3022	2715	Anwar, S. A.	2685
Adachi, K.	126	Alam, S.	2716-	3059	Anwar-ul-Haq	3398
Adachi, T.	1810 2711	Alam, S. M.		2719	Anwarul Karim, A. M.	3444 3445
Adair, C. R.	826	Albescu, I.		162	Anzai, H.	3003
Adamo, J. A.	2896	Albuquerque, J. J. L.		921	Aoki, G.	2514
Adas, M.	3390	Alcantara, A. J.		2224	Aoki, K.	2100
Adityachaudhury, N.	920 1055	Aldington, T. J.		922	Aoki, M.	918 2522
	2566	Alekseeva, L.		3745	Aomori Agr. Exp. Stn.	5 1339
Adulavidhaya, K.	3391	Aleshin, E. P.	313	3189	Aoyagi, E.	1620
Agabin, M. H.	3552			362	Aoyagi, K.	2242 2243
Agarkov, V. D.	1937	Alexander, K. M.	1411	1152		2466
Agarwala, S. C.	2316	Ali, A.		1412	Aoyama, K.	2655
Agatsuima, Y.	2098	Ali, M. I.		3233	Apeldoorn, G. J. van	3772
Aggarwal, V. D.	2862	Ali, N.		274	App, A.	164
Agrar. Res. Train.		Ali, S. A.		3138	Appa Rao, A.	2658
Inst. Sri Lanka	3392	Alim, A.		3621	Apple, J. L.	2244
Agrawal, K. B.	761	Alimagnao, B. V.		2	Aprod, A. I.	390
Agrawal, K. K.	3137	Alix, J. C.	790	923	Apthorpe, R.	3741
Agrawal, P. K.	2180			3645	Aqua, R.	3469
Agrawal, R. C.	3621	Alkamper, J.		3811	Arabi, A.	1481
Agrawal, R. K.	3101	Alkuino, J. M.		3824	Arafune, T.	792
Agrawal, S. C.	2481	Allavena, L.		3139	Aragon, C. T.	3464
Agr. Credit Admin.		Allen, K. G. D.		1116	Aragon, M.	942
Philippines	3617	Allen, M. W.		3320	Arai, K.	127 165
Aguiar, P. A. A.	2224	Allen, S. E.		2247		2652 2653
Aguiar Tello, C.	2181	Allison, S. V.		1098	Araki, F.	2467
Ahero Irrig. Res. Stn.	1982 1983	Alluri, K.		1153	Aramendiz, H.	865 867
Ahmad, B.	2067	Almeda, J. P.		439		1752 1753
Ahmad, K. bin	2592			3622	Arafiez, A. L. T.	166

Araos F., J. F.		1577	Baba, T.		2458	Bapat, S. R.		1507
Araragl, M.		925	Babanazarov, D.		2078	Bapi Reddy, T.		1771
Arashl, K.		793 1155	Babchenko, V. D.		3142	Barany, I.		893
		1156 1415	Bacha, R. E.		1059 1060	Baratti, S.		1993
		1779			1586 1587	Barber, S.		3304
Arbogast, R. T.		3061	Badan Perentjanaan			Bari, F.		3437
Arboleda, J. R.	3141	3176	Pembangunan Atjeh		3627 3628	Barker, R.	3394	3405
Ardila, J.		3393	Badea, I.		169 1823		3469	3470
Arduino, E.		936	Badrinarayan Rao, M.					3514
Aresvik, O.		3796	Bae, S. H.		473 802	Barradas, M. L. T.		478
Argañosa, F. C.		3308	Bae, S. K.		3289	Barraquio, W. L.		2307
Argañosa, V. G.		3308	Baetz, R. A.		3240	Barre, H. J.		3149
Argoullon, J.		1988	Bag, A.		319	Barthakur, B. C.		1694
Arima, K.		301	Bagchi, S.		170 474	Basava Kumar, T. M.		2113
Arima, Y.		167	Bagcioglu, E.		3062	Baskin, C. C.		2183
Arlianti, R.		2970	Bagnenko, V. K.		1693	Basu, A. N.		2336
Arraudeau, M.		471	Bahl, G. S.		192	Basu, R. N.		2185
Airiola, P.	592	766	Bahr, W.		1158	Basuchaudhuri, P.	188	189
Arroyo, P. T.		3238	Bains, K. S.		1754	Batra, B. B.		3632
Aryeetey, A. N.		1822	Baird, J. H.		3143	Battilo Viterbo, A.		1016
Asada, K.		458	Bajpai, R. P.		1433	Baun, L. C.	171	3066
Asaduzzaman, M.		3793	Baker, J. B.		1824 1825	Bautista, G. V.		3401
Asaf Ali, K.		2245	Baker, J. E.		3033 3034	Bauwin, G. R.		1459
Asaga, K.	2334	2468	Bakhareva, S. N.		9	Bayonove, J.		172
Asama, K.		859	Bakker, W.		2335	Beachell, H. M.	479	583
Asano, I.		1798	Bakker-Arkema, F. W.		3151			802
Asano, J.		3239	Bal, S.	3144	3145	Beagle, E. C.		3305
Asano, K.	892	3234	Balagot, Q. M.		3629	Beck, K. V.		3633
Asano, N.		1394	Balakrishna Kurup, T. K.		929	Beebe, J.		1418
Asari, S.		2860	Balakrishna Pillai, P.		3288	Beerwinkle, K. R.		3231
Ascencio, J.		168	Balakrishna Rao, M. J.	475	747	Beevor, P. S.		10
Ashman, F.		3086			870	Beirsdorf, M. I. C.		1138
Ashraf, M.		2469	Balal, M. S.	466	476	Bekki, E.	3067	3068
Ashrafuzzaman, Md. H.		2182	Balan, C.		1928	Bekku, I.		2645
Asian Prod. Organ.		3625	Balaing, S. N.		1135	Belavantseva, G. V.		3160
Asilov, T.		978	Balasubramaniam, G.		2721	Belli, G.	2330	2374
Askinazi, A. I.		3352	Balasubramaniam, M.		2071	Beloglazova, N.		1112
Aso, S.		1416	Baldi, G.	1991	1992	Belous, L. G.		1419
Assoc. Nac. Prod. Arroz					3241	Bender, F. E.		2115
Peru		1692	Baldwin, W. L.		3746	Benedito de Barber, C.		3304
Aswapreecha, N.		1157	Ballal, D. K.		1473	Benigno, E. A.		3023
Athwal, D. S.	7	472	Ballaux, J. C.		1485	Benjamin, B.		2954
		771	Ballesteros, R.	794	2101	Berca, M.		169
Atienza, A. J.		2246	Ballod, Z. I.		390	Bernardo, E. N.		2723
Atkins, J. G.	796	797	Baloch, U. K.	2722	2827	Bernardo, R. C.	2765	3798
		2291	Baltazar, A. M.		303	Berntson, B. L.		3287
Atkinson, L. J.		1417	Ban, C. D.		1337	Bertels, A.		2217
Attanandana, T.	926	1038	Ban, T.	3146-	3148		2877-	2879
		1097	Banba, H.		1369	Bertholdi, R. E.	738	811
Attanato, C.	1989	3465	Bandara, A. G. S.	3030	3031	Bertrand, J.		2619
Aubin, J. P.		833	Banerjee, A. K.	812	3825	Bessi, G.		2473
Aulakh, K. S.	2470	2471	Banerjee, B. N.		1117	Beye, G.	930	1038
Aurora, D.		3466	Banerjee, G. C.		3345			1420
Austin, J. E.		3626	Banerjee, S. K.		2184	Bhan, A. K.	480	590
Australia. Bur. Agr.			Banerji, B.	190	1178	Bhan, C.		931
Econ.		3467			1179	Bhapkar, D. G.		526
Aviguetero, E. F.		3581	Bangladesh. Min. Agr.		3797	Bhardwaj, R. B. L.	337	1421
Awaji, S.		1990	Bangladesh Acad. Rural			Bhargava, P. N.		894
Awoderu, V. A.	2472	2597	Dev.		3630	Bhargava, S. C.		173
Aya, M.		1849	Bangladesh Agr. Dev.			Bhat, S. P.		174
Ayotade, K. A.		927	Corp.		3631	Bhati, U. N.	3395	3747
Azam, K. M.		2939	Bangladesh Rice Res.			Bhatia, B. S.		3297
Azarkov, V. D.		1868	Inst.	8	477	Bhatia, C. R.		578
Azcona, F. F.		1653		1159	1161	Bhatia, P.		3125
Aziz, S.		3468	Bangladesh Rice Res.			Bhatnagar, A. P.	3069	3083
Azizul Islam, A. J. M.		2183	Inst. Div. Agron.		1160	Bhattacharjee, D.		1443
Azuma, Y.		1311	Bangliang, S.		1309	Bhattacharya, A. P.		1127
			Bansode, P. C.		3065	Bhattarai, A. N.		1162
			Banzatto, N. V.		2512	Bhudsamai, T.		2854
			Bapat, M. V.		1039	Bhujbal, B. M.		578

Bhumbla, D. R.	993	1177	Buddenhagen, I. W.	2426	2427	Chadrakar, B. L.	1433
	1486	1780	Bueno, A. J.		486	Chae, S. S.	1428
Bidaux, J. M.	2292	2474	Bulawin, C. G.		3152	Chae, Y. A.	556
Bieber, R. A.		3471	Bunoan, J. C.	934	1424	Chaimongkol, U.	2354
Biggar, J. W.		1951	Buranapawang, S.	2727	2856	Chairojana, P.	1429
Birch, G. G.	3229	3306	Burkhardt, T. H.		1682	Chakrabarti, N. K.	2590
Birk, A.	1163	1324	Burley, T. M.		2102	Chakrabarti, S. N.	488
		1971	Burrell, M. M.	2477	2478	Chakraborty, D. P.	2880
Birkelbach, A. W.		3634	Burton, G. W.		485	Chakraborty, T.	1344 1781
Birowo, A. T.		3396	Bykov, V. G.		1355	Chakravarty, A. K.	2729
Bislach, M.		1016				Chaliengratchai, K.	937
Biswas, C. R.		932				Chambers, R.	20
Biswas, D. K.	3150	3194	Caballero O., F. B.		1166	Chambon, J.	3307
Black, L. M.		2378	Cada, E. C.		486	Chamura, S.	177 896
Black, W. E.		3748	Cadiz, T. G.		1342		1430
Blackton, J. S.		3472	Cagampang, G. B.		176	Chan Dik Khan'	396 1693
Blackwell, R. Q.		3283	Calavan, M. M.		1167	Chan Kuang Ngok	664
Blair, H. W.		3473	Calderwood, D. L.	3153	3154	Chancellor, W.	2112 2171
Bocchi, D. G.		2186	Calif. Rice Res. Board		13	Chancellor, W. J.	1173 2172
Boer, A. J. de		3636	Calif. Univ. Food Task				3176
Boerema, E. B.	795	895	Force		3474	Chand, P.	3137
		1994	Caltagirone, L. E.		2247	Chandra, S.	3636
Bohlen, E.		2724	Calvet, G.		1425	Chandra Mohan, J.	2046 2337
Bolchi, G. S.		3070	Calvet, H.		3307	Chandraprapa, N.	2777 2855
Boldyrev, A. I.		1995	Camargo Engler, J. J. de		1645		2856
Boles, H. P.		3071	Campbell, J. K.		2108	Chandrasekariah, A. M.	1372
Bolle-Jones, E. W.		933	Campbell, L.		3475	Chandrasekaran, J.	1534
Boller, R. A.	3072-	3074	Campuzano L., H.		2479	Chandrasekaran, S.	1431
Bollich, C. N.	481	796	Cantho Univ.		1118	Chandratut, C.	2856
		797	Cardenas, M. L.		1426	Chang, F. H.	428
Bolling, H.		3242	Cardoso, A. P. S.		1204	Chang, H. H.	178
Bonnefond, R.		1243	Cardoso, C. O. N.		2642	Chang, H. S.	2188 2480
Bono, M.		2187	Carifo, L.		3589	Chang, K. S.	3362
Boonduang, R.		482	Carmona, P. S.	487	803	Chang, L. C.	180 2435
Boons, H. Ch. P. M.		1053		851	1996	Chang, S. K.	1697
Boonsong, P.		3055	Carnahan, H. L.		799	Chang, T. M.	489
Boonyawat, W.	1061	1062	Carpenter, J. R.	3112	3775	Chang, T. T.	21 461
Boozaya-Angoon, D.		674	Carpio, A. J. A.		1826		490- 493
Boquera, A. P.		1695	Castillo, C. A. del		1696		619 3476
Bora, C. K.		1356	Castillo, E. T.		3635	Chang, W. L.	800 1828
Borgstrom, G.		11	Castillo, G. T.	3397	3438		1829
Borthakur, D. N.	510	511			3743	Chang, Y.	3477
Bose, S.	175	483	Castillo, L. S.	3308	3309	Chang, Y. C.	3637
		484			3319	Chang, Y. S.	1428
Bosshart, R. P.	1164	1422	Castro, D. V.		14	Channabasavanna, G. P.	3008
Boudergues, R.		3307	Castro, F.		3024	Channe Gowda, M. B.	3439 3440
Boudreaux, R. A.	2507	2603	Castro, T. F.		935		3446
Bowers, S. A.	1128	1340	Catling, H. D.	2248	2728	Chantarasa-ard, S.	2856
Bowling, C. C.		2725	Ceccarelli, S.		2596	Chantarasnit, A.	494
Boxall, R. A.		3130	Ceconni, S.		936	Chantratragul, Y.	1481- 1484
Boyd, A. H.		2192	Celis, A.	1543	1915		1787 2028
Bradfield, R.		1341	Celis F., A.		1427		2318
Bradfield, R. B.		1964	Celton, J.	1168	1169	Chao, C. N.	800
Brammer, H.		1185	Cent. Agr. Exp. Stn.			Charoendham, P.	1345
Erando, S. S.		2008	Japan	15	3310	Chashi, M. A.	3478
Brandon, D. M.		1423	Cent. Agr. Res. Inst.			Chatterjee, B. N.	1378
Brandt, S. A.		3570	Sri Lanka		1170	Chatterjee, D. K.	2888
Brauner, J. L.		1073	Cent. Food Technol. Res.			Chatterjee, P. B.	2729
Breniere, J.		2726	Inst.		16	Chatterjee, S. K.	253
Brennan, J. G.		3305	Cent. Res. Inst. Agr.			Chatterjee, S. M.	2730
Breusova, L. I.		1137	Indonesia	17	1343	Chattopadhyay, K.	2185
Brod, C. G.	2475	2476	Cent. Res. Inst. Agr.			Chattopadhyay, N. C.	225 1463
Brooker, D. B.		3151	Indonesia Agron. Div.		1827	Chattopadhyay, S. B.	2400 2501
Brower, J. H.		3075	Cent. Res. Inst. Agr.			Chaturvedi, A.	2481
Brown, L. R.		12	Indonesia, Sukamandi Br.		18	Chau Van Hanh	1432
Brunner, H.		598	Cent. Invest. Agr. "Alberto			Chaudhry, A. M.	495 3398
Brupbacher, R. H.	1556-	1559	Boerger" Uruguay		19	Chaudhry, G. Q.	2685
	1561	1564	Cerni, R.		3183	Chaudhry, M. R.	179
	1565	1589	Cervinka, V.	1173	2103	Chaudhry, M. S.	1119 1120
		1591	Chabrolin, R.	1171	1172	Chauhan, D. V. S.	1433
						Chauhan, P. M.	1513

Chavez V., A.		3749	Choi, B. R.		1699	Cook, R.		507
Chawanayotin, W.		2731	Choi, C. I.		1337	Coombe, B. G.	185	196
Cheaney, R.	198	199	Choi, H. O.	498	499	Cooper, A. J.		186
Cheaney, R. L.	1653	1830		902	3289	Cooperative Res. Group		
Chebotarev, O. N.		3155	Choi, J. S.		1834	Biol. Contr. Rice Pests		
Chee, S.		3479	Choi, K. T.	542-	544	Kwangtung Prov.		2742
Chelliah, S.	2732	2733	Choi, K. Y.		2740	Coral Silva, C.		1237
Chen, C. C.		1006	Choi, S. J.		3289	Corbetta, G.		1122
	2482-	2484	Choi, S. Y.		550	Cornejo T., A.	2000	2001
Chen, C. H.		800		2737-	2740	Coronel, V.		457
Chen, C. S.	180	3088			2965	Cosico, W. C.		1439
Chen, C. Y.		801	Choke, H. C.		2741	Costa, A. M.	1821	1835
Chen, H. Y.		3480	Chombhubol, M.	594	825			1836
Chen, L. C.		2483	Chon, W. B.		3359	Costa, G. T. da		1702
Chen, M. C.		181	Chonan, N.	128	140	Costa, S. P.	462	804
Chen, T. T.	231	938	Chong, B. J.		1404			805
Chen, Y. Y.		3025	Chong, C. K.		3283	Cother, E. J.	2293	2402
Cheng, C. C.		2734	Choobamroung, W.	2189	2488	Covanich, A.		3158
Cheng, C. H.	496	2735	Chotinaruemol, P.		3737	Cramer, L. E.		1563
Cheon, H. S.		1121	Choudhary, R. M.		1888	Crisostomo, C.	3481	3511
Cheong, C. L.		1997	Choudhury, A. W.		1984	Croal, K.		3116
Cheong, K. M.		3638	Choudhury, M. A.		500	Crook, F. W.		3482
Cherkovskaya, A.		3076	Choudhury, M. S.		3180	Crosby, D. G.		1902
Cheung, M. W.		1951	Choudhury, S. H.		183	Crozier, A.		368
Chew Boon Hock		603	Choudhury, Z. H.		1984	Cruz, H. A.		3644
Chhabra, H. K.		2586	Choukidar, V. V.		3497	Cruz, O.		806
Chi, C. C.		2756	Chow, Y. F.		1700	Cruz, O. C.		1059
Chi, K. S.		182	Chowdhury, A. K.		2339	Cummings, J. T.		3483
Chiang, C. T.		1434	Chowdhury, M. S.		1522	Cumpa Reyes, D.		508
Chiarappa, L.		2249	Chowdhury, S. L.		1998	Curfs, H. P. F.		1654
Chiaravanont, C.		3339	Chu, C.		184	Currie, B. G.		428
Chiba, A.	907	1065	Chu, C. L.		2340	Custodio, C. C.	3308	3319
Chiba, B.	1713	2020	Chu, E. C.		3441	Custodio, H. A.	2250	2743
		2051	Chu, J. C.		501	Cuyno, R. V.	3400	3401
Chiba, M.	1231	2065	Chu, K. M.		2756	Cysne, F. M. M.		2224
		2066	Chu, Y. E.		502			
Chiba, T.		1941	Chu, Z. C.		772			
Chien, C. C.		2485	Chuaiprasit, C.		2190	Dadey, C. A.		3484
Chien, H. H.		1346	Chubenko, A. P.		1937	Daimatsu, T.		3293
Chikai, K.		1831	Chugoku Natl. Agr. Exp.			Daito, K.		2077
Chikubu, S.	3077	3127	Stn.	1174	2104	Dalrymple, D. G.		3485
		3132	Chuz, J. K.	3078	3264	Daly, R. F.		23
Chikura, S.	815	841	Chung, B. C.		689	Damrell, J. D.		3294
	842	963	Chung, B. J.	2341	2489	Dancette, C.		1123
	1435	2338	Chung, G. S.	503	802	Dandekar, V. M.		3750
Childers, R.		3216	Chung, H. D.		160	Daniel, V. A.	3279	3280
Chilikov, I.		2491	Chung, H. S.	689	2463	Dargan, K. S.	993	1177
Chin, A. V. E.		497			2490		1440	1703
Chin, K. M.	2486	2487	Chung, K. Y.		1493	Darra, B. L.		1086
Chinchest, A.		1436	Churikov, V. F.		1382	Darrah, L. B.	3582	3752
Chinda, M.	1606	1609	Ciesielska, Z.		3079	Darussalam, M.		509
Chinese Agr. Tech.			Clampett, W. S.		1175	Das, A. B.		528
Mission Thailand		3639	Clark, H. E.		3278	Das, B. K.		187
Chinn, K. S. K.		3283	Clark, V.		3775	Das, C. R.		2465
Chipeta, F. M.		2736	Claustrioux, J. J.		3799	Das, G. R.	510	511
Chisaka, H.	1203	1832	Clayton, J. T.		3088	Das, J. C.		3826
Chitrakon, S.	677	678	Clough, R. A.	1347	1701	Das, K. C.	1441	1547
Chiu, C. C.		1833	Coffman, W. R.	504-	505	Das, M. N.	397	894
Chiyonishio, T.		2812		545	1182	Das, N. M.	2709	2710
Chizhikova, N. P.		1009	Cogburn, R. R.	3080-	3082		2744	2875
Cho, C. Y.		802	Coleman, R. A.		363			3122
Cho, D. H.		3076	Collier, W. A.		3156	Das, S. K.		1612
Cho, D. S.		1437	Collier, W. L.		3399	Das, S. R.		2342
Cho, H. Y.	294	939	Colorado State Univ:			Das Gupta, D. K.	188	189
Cho, I. H.		3264	Water Manage. Res. Proj.		1999			1442
Cho, J. S.		1698	Colter, J.		3156	Das Gupta, N.		1443
Cho, M. S.	1121	1698	Conceição, V. I.	462	804	Das Gupta, S. K.		1353
		3640		805	1777	Dasgupta, D.		1344
Cho, Y. S.		2401	Conill, A. F.	2191	3157	Dastane, N. G.	259	897
Choe, Z. R.		549	Consult. Group Int. Agr. Res.		22	Date, I.		1233

Date, T.		2492	Dhawan, K. C.		3487	Eguchi, J.		2492
Datta, N.P.	1074	2083	Dhua, S. P.		2880	Ehara, Y.		383
		2084	Dhulappanavar, C.V.	515-	518	Eid, M. T.	1447	1461
Datta, S.K.	190	191			756	Eiland, J. C.		3754
	1124	1178	Diallo, S.		3307	El-Ashmawy, A. E.		3350
		1179	Diamante, T. D.		3645	El Bagoury, O. H.		1706
Dave, M. B.		3497	Diaz D., A.		3661	El Baya, A. W.		3242
Davey, R. B.		2745	Dijkshoorn, W.		193	El-Baz, F. K.		3277
Davide, J. G.		1444	Dikshit, N. N.		1186	El-Dien, M. S.		3316
Davidenko, E. K.		3200	Dikshit, P. R.		945	El-Fouly, M. M.		3277
Davidson, T. C.		1180	Dikshit, S. P.		1349	El Gamal, T. M.		1228
Davis, C. L.		3325	Dilig, A. D.		304	El-Gibaly, M. H.		957
Davis, J. H.	1348	1405	Dimopoulos, J. S.		3312	El-Hadidi, H.		1447
Davis, M. D.	738	811	Dinesh, R. S.		364	El-Hak, M. G.		828
Davis, M. P.		99	Dionisio, R. A.		3703	El-Hossini Taha, M.		1447
Davydov, N. N.		512	Disthaporn, S.	2354	2392	Ellis, M. B.	2493-	2495
Day, P. R.		513		2393	2731	El-Nawawy, A. S.	947	948
Day, R. H.		3817	Dittrich, R. C.	2213	2217	El-Rayes, F. M.		1228
D'Cruz, R.	514	516	Dizhev, G. A.		1445	El-Refaeli, M. I.		2496
		517	Djatnika, A.		2747	El Saadany, F. M.		3315
De, R.		1181	Dmitrieva, E. T.		3160	El Saadany, R. M. A.		3315
De, R. N.		528	Do Sup Chung		3781	El-Sawaf, B. M.		3057
Deb, D. L.	940	2084	Dobie, J. B.		3324	Emura, K.	2753	2754
De Carolis, C.	2234	2343	Doering, O. C.		3488		2850-	2852
	2368	2473	Doi, Y.	1774	3276		2858	2902
De Datta, S.K.	438	441	Domingo, L. P.		3442	Endo, K.	2585	2974
	443	949	Domingo G., J.		1674	Endo, M.		588
	1115	1125	Donaldson, N.		3489	Endo, N.		194
	1154	1182	Donovan, W. G.		3490	Endo, S.	2497-	2499
	1183	1782	Dorobantu, N.		1823	Endo, T.		3134
	1828	1829	Dos Reis C., A.		1674	Engelstad, O. P.		949
	1837-	1839	Dougherty, G. M.		2192	Engler, R. M.		950
	1873	1911	Douglas, J. E.		2232	Erman, A. S.		3244
Dei, Y.	941	1111	Dournes, J.		807	Erokhin, V. D.		1707
		1783	Dozina, G. E.		3646	ErubaeV, A. K.		3648
Dela Cruz, H. C.		486	Draganov, D.		2491	Esa, A.		2755
De La Cruz, J. V.		1655	Dreyfus A., R.		1187	Escuro, P. B.	495	519
De La Cruz, Q. D.		942	Drilon, J. D.		3752		520	808
Delafond, G.		833	Duangratana, S.		3800	Esdorn, I.		3492
Dela Rosa, A.		2433	Duara, B. N.		1188	Esmay, M. L.		2115
Delassus, M.		1840	Dubey, C. S.		761	Estac. Exp. Arroz IRGA		1189
Delaune, R. D.	1550	1567	Due, J. M.		2105	Estioko, E. R.		2252
Deli, J.		2228	Duff, B.	2106	2107	Estioko, I.		2108
De Los Angeles, M. Z. V.		3486		2130-	2132	Estocapio, S. A.		2253
De Los Reyes, E.		457	Dumlao, C. T.		3313	Estrella, P.		806
De Los Reyes, R. P.		3449	Duraiswamy, K. N.		1350	Eunus, Md.		1190
Delouche, J. C.	2183	2192	Dutt, S. K.		868	Evans, G. N.		904
Del Rosario, A. R.		3175	Dutta, S. K.		395	Evatt, N. S.	1448	1449
Del Rosario, E. J.		356	Dyck, V. A.	2748-	2752			1452
Delvert, J.		1184	Dzowela, B. H.		1446	Evenson, J. P.		3336
Denisenko, Ya. I.		3352				Evenson, R. E.	24	3755
Denver Wildlife Res. Cent.		3026				Evsikov, V. D.		1842
De Padua, D. B.		3159	Eamchit, S.	2495-	2410	Exconde, O. R.		2411
Des Bouvrie, C.		2002		2428	2454	Ezaki, H.	2109	2110
Deshpande, T. L.		943	Eaqub, M.		274	Ezdakov, N. V.		3269
Desikachar, H. S. R.	3204	3296	Earl, L.		3339	Ezeigwe, M. O.		1843
	3299	3311	Easter, K. W.	3632	3647	Ezuka, A.	2412-	2416
Dethloff, H. C.		3751	Eastin, E. F.		1841			2423
Deura, H.		3292	Ebata, M.	129	130			
Dev, G.		192		153	909			
Devadath, S.	2403	2404		1705	2326	Facelli, L.		1992
Devadoss, C. T.		1353	Ebine, H.		3314	Fageria, N. K.		195
Devasundrarajah, N.		1185	Ebron, T. T.		2587	Fahmy, Y.		3350
Devendra, C.		3347	Echandi, E.		2251	Fahmy, Y. A.		3316
De Vries, C. A.		3827	Econ. Comm. Asia Far			Falla M., A.		1191
Dhaliwal, G. S.		3083	East		3753	Fan, T. F.		2756
Dhama, C. S.		1933	Econ. Intelligence Unit,			Fankhauser, F.		1192
Dhamdhare, S. V.		2746	London		3491	Fantone, G. C.		1992
Dhanapalan Mosi, A.	944	2055	Edo, Y.		1899	Fathan, M.		898
Dhar, R. D.		589	Effendi, S.		1371	Faulk, W. C.		809

Faull, K. F.		196	Fujikawa, T.		2344	Galvez, G. E.		2347
Fawcett, R. G.	1345	1408	Fujimaki, H.	521-	523	Gamo, N.		2420
Faye, F. G.		1125	Fujimoto, A.		3443	Gandhi, A. P.	204	205
Faye, F. G. N.		951	Fujimoto, M.		2026	Gandolfo, V.		33
Fed. Sind. Agr. Arroc.			Fujimoto, T.		1647	Gangopadhyay, S.		2501
Esp.		25	Fujimoto, Y.		406	Ganguly, G.		320
Fedorova, S. A.	257	3269	Fujimura, K.		874	Gangwar, M. S.		1455
Feistritz, W. P.		2193	Fujimura, S.		907	Garcia, E.	857	1456
Ferault, A. C.		2619	Fujimura, T.	919	2758			1709
Fernandez, A. J.		3321		2759	2993	Garcia, E. G.		3652
Fernandez, D. B.		197	Fujinami, A.		1847	Garcia, J. L.		956
Fernando, P. S. Y.		2417	Fujino, Y.	3248	3255	Garcia Duran, E.		3498
Fernando Sanchez, L.		1450	Fujisawa, H.		2813	Garcia Paredes, J.		1202
Ferraris, R.		1436	Fujisawa, T.		2949	Garg, A. K.	2966-	2968
Ferrer, L. S.		3027	Fujise, K.		284			
Ferretti, R. J.		3245	Fujita, A.		1791	Gargantini, H.		1457
Feuer, R.	1944	3401	Fujita, K.		2993	Gariboldi, F.		3164
Fielder, L. L.		3801	Fujita, T.	1673	1847	Gastal, F. L. da C.		1710
Filho, F. P.	3246	3317	Fujita, Y.	1263	3353	Gatica, R. A.		3653
		3318			3832	Gaul, B. L.	1440	1703
Finassi, A.	1451	1845	Fujiwara, A.		2760	Gautam, R. C.	1421	1520
	3161	3162	Fujiwara, H.		905	Gavidia O., A.	1191	1313
Finrock, D. C.		1351	Fujiwara, K.		1454	Gee-Clough, D.		2112
Fisher, F. M.		2254	Fujiyoshi, N.	2395	2456	Geertz, C.		3402
Fitts, J. B.		1548			2457	Geidel, H.		1585
Fiussello, N.		3247	Fujizuka, S.		3030	Gettsenhainer, R. H.		1583
Flinchum, W. T.	1452	1846	Fukada, K.		1253	George, C. M.	158	287
Flor M., C. A.	198	199	Fukami, T.		2419		288	843
Florea, A.		1926	Fukaya, M.		3016		1521	1531
Flores, E. M.		3486	Fukazawa, N.		1848			1571
Florio, W. G.		2213	Fukazawa, S.	1071	1703	George, K. M.	2350	2351
Flors, A.		3183	Fukugawa, S.		1657	George, M. V.		3784
Foda, Y. H.		3315	Fukuhara, K.		3249	George, P. S.	3403	3497
FAO	26-	30	Fukui, H.	1203	1201	Germany, C. J.		3245
	952	953			3651	Gerpacio, A. L.	3308	3309
	1193	1194	Fukul Agr. Exp. Stn.		524			3319
	1784	2003	Fukuju, H.		202	Ghauri, M. S. K.		2762
	2194	2757	Fukimoto, Y.		3093	Ghelfi, R. A.		1515
	3084	3163	Fukunaga, A.		1014	Ghildyal, B. P.	270	1027
	3219	3220	Fukunishi, T.		2195			1145
	3493	3649	Fukuoka Agr. Exp. Stn.		32	Ghoneim, M. F.		957
	3650	3802	Fukuyama, M.		203	Ghosh, A.	2336	2348
FAO. Intergov. Group			Funabasama, K.		2808	Ghosh, A. K.	528	746
Rice		3756	Furuchi, T.	2111	2144	Ghosh, J.		1353
FAO Reg. Off. Asia Far			Furuchi, Y.		2345	Ghosh, J. J.		2567
East		1195	Furuki, T.		1797	Ghosh, M. G.		3412
Food Fert. Technol. Cent.			Furuta, T.	1126	2034	Ghosh, S. K.		2349
Taiwan		1352			2334	Giatgong, P.	2189	2488
Foote, R. J.	1196-	1199	Furuya, M.		360		2562	2563
		3494	Furuya, S.		1849	Gibbs, A. J.		2391
Forno, D. A.		200	Furuyama, M.	1022	1023	Gifford, J. R.	2763	2764
Fortuner, R.	2687	2698			1526	Gill, K. S.		1292
Francis, P.		899	Furuyama, Y.	1453	1454	Ginn, T. M.	2254	2255
Frankel, O. H.		201	Fuse, H.		2761	Giordano, P. M.	206	207
Frattini, J. de A.		2500	Fushitani, Y.		1394	Giovannini, G.		1991
Frederiksen, R. A.		2365	Futatsuya, F.	450	1863	Goel, S. K.		1458
Freeland, J. W.	2004	2095	Futatugi, E.		3292	Goering, K. J.		3320
		2096	Futsuhara, Y.	126	525	Gogoi, H. N.		1694
Freeman, J. A.		3085				Golden, W. G.		3401
Freeman, W. H.	31	1298				Goldman, R. H.	3498	3757
Freire, C. J. da S.	1523	1524	Gaballo, R. C.		954			3758
Fridgen, J. D.		3301	Gad El-Hak, M.		466	Golob, P.		3086
Friot, D.		3307	Gaesuwan, Y.		3495	Golovanov, P. S.		2269
Fritts, D. H.		3320	Gagneja, M. R.		693	Gomes, F. R.		2008
Fuchs, A.		810	Galkawad, S. T.		955	Gomes, H. A.	806	1059
Fujie, I.		3386	Galkwad, D. G.		526	Gomez, A. A.		1354
Fujii, H.	2418	2437	Galli, J.	738	806	Gomez, K. A.	439	1203
Fujii, T.	474	720			811		1272	2765
		721	Galvao, J. D.		2008		2766	3800
Fujii, Y.		131	Galvez, G.		2346	Gonçalo, J. F. P.	2196	2197

Gonçalves, M. M.	1204	Gupta, S. N.	1127	Haruki, T.	2458
Gonçalves, P. A.	3499	Gupta, S. S.	812	Haruyama, S.	381
Goncharov, S. M.	2005	Gupta, V. K.	214 3760	Harvey, B. L.	391
Gonzales, J. C.	2767	Jurunandan, N. G.	2113	Harwood, R. R.	1358 1386
Gonzalez, C. T.	3321	Guruswamy, M.	938 1581	Hasanuzzaman, S. M.	132 1206
Gonzalez, H.	593	Gyotoku, N.	3001	Hasegawa, H.	468 564
Goodman, R. J.	3759			Hasegawa, K.	3134
Goodwin, J. C.	2006			Hasegawa, M.	3105
Gopal, M. S.	3299	Ha Trleu Hiep	3010	Hasegawa, S.	900
Gopalakrishnan, R.	1139 2350	Habetz, R.	813 1348	Hasegawa, T.	2634
	2351		3381	Hasekura, S.	3323
Gopalakrishnan, S.	208 209	Habib, A. M.	3348	Haseyama, T.	3508 3507
Gopalan, N.	2350 2351	Hafizur Rahman, A. F. M.	1460	Hashem, M. A.	3508
Gopalswamy, A.	959	Haga, J.	2395	Hashiba, T.	2502 2503
Gopinath, S.	2113	Haga, S.	2114	Hashikawa, U.	1712
Gopinathan Nair, V.	210	Hagimori, Y.	1831	Hashimoto, A.	1718 2208
Gorantiwar, S. M.	959	Hagiwara, T.	298		2504
Gordeichuk, B.	1868	Halder, F. G.	3235 3236	Hashimoto, S.	3165 3234
Gorelik, L. A.	960	Hakim, L. N.	2317	Hashimoto, T.	38
Goriunov, N. S.	1355	Hakoyama, S.	1762	Hashimoto, Y.	816
Goriunova, S. V.	1850	Halappa, G.	1711	Hashioka, Y.	2505
Goswami, N. N.	1507	Hall, C. W.	3151	Hashizume, A.	1975 1976
Goswami, P. C.	1355	Halteren, P. van	2352		3658
Goto, K.	3349		2353 2770	Hassan, A. K.	1357
Goto, M.	2888		2771 2918	Hassan, M. N.	3509
Goto, S.	707 708		2937- 2939	Hassanin, H. G.	957
	2515 2395	Hamada, Y.	3388	Haswell, D. R.	652
Goto, T.	2421	Hamamura, I.	814	Haswell, M. R.	3654
Goto, Y.	1332 2037	Hamamura, K.	697	Haszler, H.	3510
Gotoh, S.	1036	Hamissa, M. R.	1447 1461	Hatai, N.	2772
Gotsch, C. H.	3404	Hammerton, J. L.	1856	Hatakeyama, T.	816
Goud, J. V.	527 756	Hamotani, K.	918	Hatanaka, Y.	1542
Goverdhan, T.	3297	Hampel, G.	3242	Hattori, T.	1002 3651
Govindaswami, S.	523	Han, D. H.	1698	Hauser, J.	39
Gracien, F.	833	Han, K. H.	1003	Hayakawa, T.	3257 3340
Granados, R. R.	164	Han, K. W.	962	Hayami, A.	1626
Gray, D. L.	2745	Han, P. J.	3352	Hayami, Y.	469 3421
Green, C. E.	211	Han, Y. W.	3322		3511 3512
Green, D. H.	1851	Hanada, K.	215	Hayamizu, Y.	241
Green, V. E.	34 1407	Hanafiah, A. R.	1857	Hayase, H.	705
Greenway, H.	260	Harawa, H.	668	Hayashi, H.	133 134
Grigg, D. B.	35	Hanayama, H.	1023		223
Grillenzoni, M.	3500	Hangul, K.	3356	Hayashi, K.	224 660
Grist, D. H.	36 3501	Hanna, W. A.	3504	Hayashi, M.	2199
Grover, P.	2768	Hansen, G. E.	3505	Hayashi, N.	2116
Guadalcanal Plains Ltd.	3502	Hanson, A. A.	530	Hayashi, T.	3111
Guazzelli, R. J.	1459	Hanumantha Rao, C.	531	Hayashida, K.	3323
Gubanov, P. E.	1205	Hanumantha Rao, G. V.	2225	Hayne, R. D.	3513
Guennelon, G.	2769	Haq, M. S.	532	Hazra, S. K.	225 1463
Guerrero, F. C.	2193	Haque, I.	1462	Hebert, T. T.	2275
Guevarra, A. B.	3401	Haque, M. Z.	216 2009	Heckman, C. W.	2773
Guidice, R. M. del	2008	Hara, E.	2983	Hegde, B. A.	226
Guimaraes, G.	212	Hara, N.	3326 3356	Hegde, R. K.	2544
Guinaa, J.	37	Harada, J.	217- 222	Hegsted, D. M.	3250
Guino, R. A.	3405	Harada, K.	815 963	Heiler, T. D.	2010
Guiran, G. de	2689		1435 1621	Heiman, J. L.	2603
Gunadasa, J. M.	3503		2338	Helkiah, J.	1631
Gunasena, H. P. M.	1852 1853	Harada, Y.	1620 2114	Heilier, W. L.	3828
Gunawardena, I.	523		3284	Helpert, C. W.	1841 1917
Gunawardena, I. E.	1854	Harahap, Z.	2507 2604	Hembry, F. G.	3378 3379
Gunawardena, S. D. I. E.	1855	Haraki, T.	1721 1722		3381
Gundu Rao, H. R.	3037		1724- 1726	Henderson, D. W.	1951
Gupta, B. M.	2430	Harein, P. K.	3087	Henderson, P. L.	3761
Gupta, G. P.	1518	Hargrove, T. R.	533 534	Henderson, S. M.	3113
Gupta, H. S.	875	Hariya, N.	2589	Hengsawad, V.	2793 2794
Gupta, I. C.	213	Harn, C.	535- 544		2797
Gupta, J. P.	931	Harn, I. J.	3103	Heong, K. L.	2774
Gupta, P. K.	2588	Harnoto	2963	Herd, R. W.	3469 3470
Gupta, R. S.	1186 1871	Harris, W. L.	2115		3512 3514
Gupta, S. K.	225 1463	Harriss, J. C.	3406		3646

Herrera, R.M.	545	Hollis, J.P.	2690	2691	Huguet, C.	233
Herrera, R.T.	3655	Homma, T.		896	Hukasawa, S.	1813 2063
Herrera, W.A.T.	1358	Homma, Y.		2612	Hull, J.L.	3324
Herring, R.J.	3615	Honda, H.		434	Hummelen, P.J.	2785
Hertford, R.	3393	Honda, K.		1739	Humphreys, L.R.	1399
Herzog, A.	3722	Hongo, M.		560	Huque, H.	2256
Heszky, L.	546	Hongo, T.		2830	Hur, I.B.	1003 1049
Heu, H.	294	Hongsaprug, W.	2783	2834		1050
Heu, M.H.	503			3013	Hurst, H.R.	1858
	547- 556	Honjo, K.		381	Husain, A.	3088
	802	Honjyo, K.		284	Hussain, A.	1212 3235
Hibi, K.	1863	Honma, T.		988	Hussain, M.	1466
Hidaka, T.	2775- 2778	Honma, Y.		229	Hussain, M.S.	971
	2354	Hoopper, J.R.		1210	Hussain, T.	965
Hidayat, O.O.	1266	Hoppe, A.H.		3028	Hutagalung, O.	1623
Higashi, T.	557 558	Hoque, M.M.		3444	Hutauwatr, N.	3325
	821 1155	Hori, H.		564	Hutchinson, J.B.	817
Hignett, T.P.	3516	Hori, S.		468	Huynh Trung Nghia	1128
Higuchi, F.	1071	Hori, S.		3105	Huynh Van Quang	1467
Higuchi, H.	1813	Hori, S.		2436 2852	Hyogo Agr. Exp. Stn.	40
Higuchi, T.	2897	Horiguchi, M.	2412	2414	Hyuga, S.	966
Hill, R.D.	1207	Horino, O.	2416	2423		
Himeda, M.	1208			2424		
Himeda, S.	1209	Horiuchi, E.		1465		
Himeno, M.	2199	Horiuchi, H.		561	Ianchovskii, Iu. F.	967
Hinds, F.C.	3325	Horiuchi, K.		2300	Ianelli, P.	1213
Hino, G.	1713 1761	Horiuchi, T.		3167	Ibaraki Agr. Exp. Stn.	41
	2903	Hoshi, G.V.		223	Ichida, K.	2508
Hino, N.	1893 1894	Hoshii, H.		3385	Ichikawa, K.	3237 3303
Hino, T.	2354	Hoshikawa, K.	138	1714	Ichikawa, T.	2787 2788
Hiraga, K.	227	Hoshino, M.		2311	Ichikawa, Y.	3090
Hiramatsu, T.	2779- 2781	Hoshino, S.		2117	Ida, T.	1249
	2845	Hoshino, T.	1211	1715	Ide, H.	841 842
	2986- 2993			1716		1259 1468
	3000	Hoshino, Y.		403	Ide, K.	1469
Hirano, F.	1783	Hoskins, F.H.		3237	Ienaga, Y.	3407
Hirano, J.	1359	Hosoda, A.	2831	2832	Igarashi, M.	1001
Hirano, M.	234		2838	2839	Igaue, I.	137 3257
Hirano, T.	1658 2066	Hosoi, N.	230	411		3340
	2505	Hosoya, T.		1416	Iida, T.	42
Hirano, Y.	2066	Hossain, M.		3657	Iida, W.	2289 2300
Hirao, J.	2355 2356	Hossain, M.A.		3445	Iijima, A.	3326 3356
	2782	Hossain, M.D.		1510	Iizuka, H.	3330
Hirasawa, N.	1338	Hossain, M.N.		1665	Iizuka, Y.	2257
Hirata, H.	229	Hossner, L.R.	964	1037	Ikeda, H.	2380 2682
Hirata, Y.	3001 3343	Hou, C.R.	291	292	Ikeda, I.	1811
Hiratsuka, T.	3656	Hou, T.T.		1434	Ikeda, K.	234- 236
Hirayama, C.	969 970	Houck, J.P.		3755	Ikeda, M.	1214
Hirayama, S.	2513	Houng, K.H.	231	938	Ikeda, R.	784
Hiremuth, K.G.	756	Houston, D.F.		2200	Ikeda, Y.	2118
Hirokawa, F.	1972	Howe, J.M.		3278	Ikehashi, H.	821 1659
Hirose, H.	1209	Howell, J.D.	1360	1786	Ikesugi, Y.	237
Hirose, M.	3355			2073	Ikeuchi, Y.	3108 3169
Hiroyama, T.	1094	Hozumi, Y.		232		3170
Hiranyupakorn, V.	1026 1464	Hsieh, C.Y.		2784	Ikeyama, M.	2789
Hisanaga, M.	2214	Hsieh, S.C.		826	Ilvitskii, N.A.	3155
Hiwada, T.	2847 3032	Hsieh, S.P.Y.	2425-	2427	Im, H.B.	238- 240
Hizukuri, S.	3372	Hsieh, Y.T.		562	Imabayashi, S.	1729 1763
Ho, B.L.	2422	Hsu, M.Y.		1361		1948 2136
Ho, P.Y.	904	Hsu, T.H.		757		2338 2395
Hobbs, P.R.	1351 1370	Hsu, W.F.		3480	Imai, F.	2820
Hoedaya, M.S.	3058	Hsu, Y.P.		2011	Imai, H.	1859
Hoff, B.J.	559 2507	Huang, C.S.	182	2692	Imai, K.	3018 3019
	2604	Huang, S.P.		2692	Imai, T.	818
Ho-Huu-Dac	228	Huang, S.W.		885	Imai, Y.	241
Hojo, Y.	135	Huang, T.C.		3762	Imamura, K.	2790 2791
Holder, S.H.	3166	Huang, T.H.		886		2900 3091
Holliday, P.	2493- 2495	Huang, Y.T.		2012	Imau, M.	2747
	2568- 2570	Huey, B.A.		1358	Inaba, K.	381
	2618	Hughes, M.		2220	Inaba, Y.	2654

Inagaki, K.	2509	Ishii, M.	2802	Iwasa, N.	1093
Inano, T.	3168	Ishii, S.	2788	Iwasaki, S.	2124 2140
Inatsu, O.	242	Ishii, T.	2803	Iwasaki, T.	3127
Indian Agr. Res. Inst.		Ishii, Y.	1861	Iwata, I.	1864
Div. Genet.	563	Ishikawa, K.	1903	Iwata, K.	2518 2519
Indonesia. Agro. Econ.		Ishikawa, M.	969 970		2584 2585
Surv.	3517		1083 1092		2679
Indonesia. Dept. Agr.	3518		1095 1394	Iwata, N.	661
Indonesia. Dept. Inf.	3519			Iwata, T.	2809- 2811
Inforzato, R.	312	Ishikawa, T.		Iwaya, K.	2815
Ingle, M. D.	3520		3386- 3388	Iyama, J.	375 1220
Ino, M.	2693	Ishima, T.			1718 2208
Inokuti, A.	1660 1661	Ishimaru, K.		Iyer, R.	2430
Inoue, H.	2439	Ishimine, Y.		Izawa, G.	338
	2792- 2797	Ishisaki, H.		Izima, T.	2812
	3327 3354	ishitani, A.		Izumi, G.	760
Inoue, K.	243 1362	Ishitsuka, R.		Izumi, K.	3408
	1867	Ishiwaki, I.		Izumi, M.	2125
Inoue, M.	468 564	Ishiwara, A.			
Inoue, S.	409 1215	Ishiy, T.	1862 1877		
	3558		2598 2599	Jackson, B. R.	855 1297
Inoue, T.	2510		2695 2804	Jacob, S. A.	3107
Inoue, Y.	244	Ishizaka, S.		Jacq, V. A.	972
Inouye, H.	2310	Ishizuka, N.		Jacquot, M.	571
Inouye, J.	245 1255	Ishizuka, Y.		Jaganathan, T.	3006
Inst. Rech. Agron. Trop.		Isk, N.		Jagannath, B.	1372
Cult. Vivr.	43 908	Islam, A.		Jaggi, I. K.	959 973
	1216 1217	Islam, K. Z.		Jain, H. C.	1508
Inst. Rech. Agron. Trop.		Islam, M. N.	3198 3253	Jain, N. K.	1470
Cult. Vivr. (Cote		Islam, M. T.	254 255	Jalaludin, S.	3366
d'Ivoire)	246	Ismail, M. A.		Jalihai, K. A.	3439 3440
Inst. Rech. Agron. Trop.		Ismunadji, M.	193 2317		3446
Cult. Vivr. (Haute-		Israel, P.	2705 2805	Jamaica. Min. Agr. Fish.	49
Volta)	44		2816	Jambulingam, R.	635
Inst. Agr. Mach. Japan	2119 2120	Issa, E.		Jambunathan, R.	3260
	3329	Itagaki, H.	2019 2033	James, W. H.	3198 3253
Inst. Agr. Sci. Korea	2798	Itagawa, H.		Jamias, J. F.	50
Inst. Colomb. Agropecuar.	45 2799	Itani, T.		Jamil Khan, S. A.	2520
Inst. Rio Grandense Arroz		Itatani, I.	256 2203	Jana, M. K.	572
Brazil	3803	Ito, A.		Janaki, I. P.	3005 3006
Int. Bank Reconstr. Dev.	2013- 2019	Ito, H.	2513 2514	Jantawat, S.	1471
	2201 3092		2560 2805	Japan. Agr. For. Fish.	
	3521- 3530		2808 3314	Res. Counc.	573 1130
	3763 3764		3330	Japan. Bur. Agr. Admin.	2258
Int. Inst. Trop. Agr.	46 1218	Ito, K.	242 450	Japan. Food Agency	822 823
Int. Rice Res. Inst.	47 48		1256 1863		1221
	565 566		3108	Japan. Min. Agr. For.	
	901 1219	Ito, R.	557 821	Stat. Surv. Div.	3804- 3806
	2922	Ito, S.	847 2123		3829
Int. Rice Res. Inst.			2807 2818	Japan Mach. Export.	
Dept. Cereal Chem.	247 3251		3255	Assoc.	3171
	3252	Ito, T.	235 1717	Japan Plant Protect.	
Ioroi, Y.	1668		1899 2808	Assoc.	3029
Iren, S.	2511		3659	Jayachandran-Nair, K.	2521
Isaac, E.	820	Ito, Y.	2066	Jayaraj, S.	1534
Isaka, M.	2429 2514	Itoh, K.	3169 3170	Jayaram, M.	3009
	2522 2900	Itoh, N.		Jayaraman, K. S.	3297
Iseki, S.	3531	Ivancenko, D.		Jayawardena, S. D. G.	1662
Ishibashi, H.	3131 3186	Ivaenko, I. M.		Jeh, S. Y.	2021
Ishibashi, S.	3093	Ivanova, D. I.	257 3269	Jellema, B. M.	3532 3765
Ishida, K.	2243	Iwabu, T.		Jennings, P. R.	574
Ishida, S.	450 1860	Iwabuchi, H.		Jersov, S. O.	1472
	1863	Iwabuchi, T.	2020 2051	Jesus Gotuzzo, C. de	3722
Ishida, Y.	248	Iwahashi, T.		Jha, J.	1389 1568
Ishiguro, T.	916 2801	Iwaki, H.	258 2811	Jha, K. P.	259
Ishihara, K.	248 249	Iwamoto, R.		Jindai, V. K.	1222 1719
Ishihara, S.	1859	Iwamoto, Y.		Jinno, H.	1314
Ishihara, T.	2860	Iwanami, Y.		Jinnouchi, Y.	2022
Ishii, H.	1099 1100	Iwane, K.		Jo, K.	1811
Ishii, K.	568 1783	Iwano, M.	2516 2517	Jodon, N. E.	575 630
					832

Jogaratnam, T.		3660	Kalwar, G. N.		1131	Karayalar, K. S.		3435
Johi, S. S.	3533	3768	Kamada, K. I.	977	1015	Karganilla, A.		2431
John, C. D.		260	Kamal, R. M.		947	Karihaloo, J. I.		2180
John, V. T.		2377	Kamalam, N.		1350	Karim, A.		1466
Johnson, D. G.		3766	Kamata, H.		1783	Karim, M.	162	1488
Johnson, L.		3661	Kamata, K.		1251			1868
Johnson, V. A.		576	Kamath, M. B.		364	Karino, T.		2031
Johnston, T. H.		577	Kameda, K.		3111	Karjono		509
Johraku, T.	2813	2814	Kameoka, K.		3333	Karnjananiratisai, M.		1476
	2946	2947	Kamerling, G. E.		2027	Kartoprawiro, M. I.		306
Joint Commis. Rural			Kamide, J.		1796	Kazahara, K.		1925
Reconstr. (U.S. and			Kamide, J. I.		1663	Kasai, Z.	418	419
China)	51	52	Kamijima, O.		581			458
Jonard, R.		172	Kamimura, S.		2259	Kasakura, N.		1820
Jones, D.	357	358	Kaminaka, M. S.		2127	Kasama, K.		2124
Jones, D. B.		261	Kamiya, M.		3335	Kasafkina, N. N.		743
Jootanon, P.		1614	Kamuro, Y.		265	Kasdy, A. M.		1228
Joshi, B. V.		3332	Kan, M.	2522	2900	Kase, Y.		2951
Joshi, G. P.	3094-	3095	Kan, V. M.		978	Kasetsart Univ.		56
Joshi, M. M.		262	Kanai, D.		698	Kasryno, F.	3664	3690
Joshi, N. C.		1865	Kanai, M.		2318	Kass, D. L.		1383
Joshi, R. L.		1473	Kanamori, T.	266	267	Kassai, T.		2916
Joshua, D. C.		578	Kanapathy, K.		979	Kassam, A. H.		1225
Jugsujinda, A.		943	Kanareugsa, C.	1481-	1484	Kasumi, K.		3174
	1474-	1480		1787	2028	Katagiri, M.	2523	2647
Juliano, B. O.	176	332			2318			2648
	356	504	Kanatsu, T.		3173	Kataoka, K.	237	586
	3066	3192	Kanazuchi, Y.	3257	3340			2207
	3221	3250	Kanaujia, R. S.		2205	Kataoka, T.	1849	1869
Jung, H. F.	2295	2915	Kanayama, H.	1720	1887	Katayama, H.		1870
Junior, J. F.		1363	Kanayama, K.	2347	3032	Katayama, S.		2801
Jurgens, G.		1865	Kanazawa, J.	980	2266	Katayama, T.	587	667
Jutono		974			3275	Katayama, T. C.	271	588
			Kanazawa, N.		1223			824
			Kanazawa, S.		1949	Katayama, Y.		3272
Kachru, P. P.		3172	Kanazawa, T.	290	874	Kathavate, Y. V.		961
Kada, T.	720	721			903	Kathirvelu, R.		2524
	723	725	Kanbayashi, Y.		2239	Kato, K.	2525-	2528
Kadam, B. S.	579	580	Kanda, M.	268	847	Kato, K.	138	139
Kadkao, S.	2776	2928	Kaneda, C.	582-	585		151	2129
		2829	Kaneda, H.		1537	Kato, M.		2529
Kadowaki, T.		3017	Kanegawa, S.		1132	Kato, S.	2813	2814
Kadoya, K.		2033	Kanehira, T.		2499		2819-	2821
Kagami, Y.		2195	Kaneko, J.		2163			3012
Kagawa, H.		1144	Kaneko, T.		1209	Kato, T.	985	3565
Kagawa, K.		1331	Kanemitsu, T.		3291	Kato, Y.	1718	2208
Kagawa, M.		53	Kang, B. T.		1485	Katsube, T.		2530
Kagawa, Y.		54	Kang, C. S.		2206	Katsuki, E.		1489
Kagawa Agr. Exp. Stn.		55	Kang, J. C.	1500	1698	Katsuki, T.	3326	3356
Kagayama, K.		3662	Kang, M. S.		2309	Katsukita, H.		1788
Kahlon, A. S.		3487	Kanjananiratisai, M.		981	Katsuya, K.		2531
Kahre, L.		2232	Kanke, B.	982-	984	Katyai, J. C.		986
Katda, T.		975	Kannaiyan, S.		2657	Kauffman, H. E.	2296	2426
Katda, Y.	2023-	2025	Kannammal, S.		2283		2432	2433
Kaihara, M.		3534	Kannan, S.	269	365			2449
Kaiho, M.	263	427	Kanno, T.	1079	1080	Kaul, A. K.		589
Kaiser, K. E.	3030	3031	Kanno, Y.	2023	2030	Kaul, M. L. H.	480	590
Kaiser, W. J.		2247	Kano, H.		286			1490
Kaistha, B. L.		1506	Kansal, B. D.		1486	Kaul, S.		3124
Kajarnaved, K.	3097	3098	Kansas State Univ. Food			Kaur, B.		3083
Kaji, J.		2655	Feed Grain Inst.		3100	Kaur, P.		2532
Kajita, S.		1394	Kanter, D. G.	1164	1224	Kaushik, S. K.		1871
Kakade, M. L.		284		1325	1487	Kawabata, S. G.		2900
Kakinuma, S.		2126	Kanto Res. Group		1664	Kawabata, H.		3666
Kaku, K.		2026	Kanwar, J. S.		1488	Kawabe, Y.		3367
Kaliappa, R.		2049	Kanzaki, T.	2128	2155	Kawagoe, K.		2624
Kalininskaya, T. A.		1047	Kao, C. H.		181	Kawaguchi, K.	914	987
Kalkan, M.		3099	Kapre, B. N.		3663			1002
Kalode, M. B.	2816	2817	Kar, M.		309	Kawaguchi, T.		1364
Kalpage, F. S. C. P.		976	Kar, S.		270	Kawahara, H.	128	140

Kawahito, H.		1491	Kihara, T.		1811	Kitani, K.		2350
Kawai, M.	597	789	Kijima, K.		2640	Kitachi, Y.		7624
Kawai, T.	591	671	Kijima, T.		2830	Kitayama, M.		2273
Kawai, Y.		3272	Kikawa, Y.		3658	Kitayama, S.		847
Kawakishi, S.		3111	Kikuchi, F.	597	789	Kitazaki, S.		1338
Kawamura, N.	2118	3334	Kikuchi, H.		3188	Kitazawa, A.		1107
Kawamura, Y.		1956	Kikuchi, S.	3336	3337	Kitsutaka, A.	603	1230
Kawanami, Y.		1249	Kilbertus, G.		2030	Kiyohara, E.	1231	2065
Kawano, K.	592	593	Kilombero Agr. Train.					2066
		765	Res. Inst.	58	59	Kiyosawa, S.	464	561
Kawasaki, I.		2357	Kim, C.		616		604-	608
Kawasawa, T.	2822-	2824	Kim, C.K.	1492	2535	Knabke, J.J.		2844
Kawase, E.		2925			2533	Knapp, F.W.		3060
Kawase, K.	988	989	Kim, C.M.	537	540	Knoke, J.K.		2251
Kawase, T.	612	662	Kim, D.K.	1493	1872	Knyr, L.L.		1937
Kawashima, K.		2030	Kim, H.S.	2965	3103	Ko, H.S.		2032
Kawata, S.	272	1226			3104	Ko, K.		2261
		1227	Kim, H.W.		2545	Ko, T.		609
Kawauchi, Y.		816	Kim, K.H.	142	547	Koakutsu, K.		1338
Kawazawa, T.	2899	2952			550	Kobayashi, A.	610	611
Kazama, K.		990	Kim, K.J.		1335	Kobayashi, J.		3338
Kazano, H.		2926	Kim, K.U.	278	1873	Kobayashi, K.		2363
Keim, R.		2534	Kim, K.W.		160	Kobayashi, M.	1069	2019
Keleg, A.M.		1447	Kim, M.S.		3536		2033	2034
Kelly, P.L.		3779	Kim, S.B.		1538		2779-	2781
Kennedy, B.M.	3175	3293	Kim, S.J.		553			2845
Kenner, C.T.		3240	Kim, S.K.	3103	3104		2996-	3000
Kerdchokchai, D.	2354	2370			3254	Kobayashi, N.	989	1095
	2385	2386	Kim, U.J.		318		1727	1728
		2394	Kim, W.S.		1121	Kobayashi, S.	2365	2846
Kerim, M.S.A.A.A.		1782	Kim, Y.B.		3078		2860	2949
Kevle, W. van der	991	992	Kim, Y.H.		1666	Kobayashi, T.	2537	2847
Kevorkov, A.P.		273	Kim, Y.S.	598	599			3032
Khafagy, S.M.		3348		1093	1721	Kobayashi, Y.	1667	2498
Khalil, A.R.		1228	Kimata, N.		2034			2533
Khambanonda, P.	594	825	Kimura, H.		2874	Kobleva, E.A.		2035
Khamklai, N.	2405	2406	Kimura, I.	2358	2364	Kobo, K.		1144
		2410			2378	Kobori, I.		1848
Khan, A.S.		3393	Kimura, K.	1263	3353	Kochibei, G.P.		1995
Khan, A.U.	2130-	2133			3832	Koda, M.		1232
	3141	3176	Kimura, S.	2420	2434	Kodama, S.		2974
		3409	Kimura, T.		2373	Kodama, T.	2364	2848
Khan, A.W.		761	Kimura, Y.	2831-	2841			2849
Khan, D.H.		274	Kinebuchi, M.	1722-	1726	Koesnang		2770
Khan, D.U.		2260	Kinoshita, O.		1669	Koga, H.		2331
Khan, E.J.A.	826	1229	Kinoshita, T.	600-	602	Kogai, M.T.	978	2035
Khan, I.U.		2385		653	701	Kogun, I.B.		2269
Khan, M.R.	2722	2327		709	710	Kogo, K.		3272
Khan, N.H.		1665			729	Kogouchi, H.		1233
Khan, P.A.	275	276		749-	751	Kobata, M.		2499
		648	Kinouchi, K.		934	Kobuchi, K.		666
Khan, T.A.		1711	Kireev, V.M.		3177	Kolke, T.		3668
Khandekar, M.P.		1433	Kiribuchi, S.		279	Kojima, A.	2753	2754
Khanna, A.N.		394	Kirichenko, K.S.		1494		2850-	2852
Khanna, R.		173	Kirimura, S.		609			2858
Khanna, S.S.		959	Kiritani, K.	2359	2787	Kojo, S.	1621	1729
Khare, B.P.		3101		2898	2943		1763	1948
Khedr, M.S.		1447	Kirithavip, L.		1495			2136
Khosla, B.K.		993	Kirithavip, R.	1496	1497	Kokue, N.		1730
Khosla, R.K.	57	2353	Kirithavip, T.		2871	Kolandaisamy, S.		1760
Khot, B.D.		827	Kishi, K.	2289	2300	Kolesnikova, T.K.		2269
Khusakul, V.	2928	2329	Kishida, Y.	2134	2135	Kolesnichenko, G.S.		1289
Khush, G.S.	472	595	Kishimoto, M.		2143	Kolhe, A.K.	516	517
	596	541	Kishino, K.	2842	2843	Komai, K.		1955
		1182	Kishitani, S.		280	Komatsu, M.	2650	2652
Khusro, A.M.	3102	3768	Kiso, A.		2350			2654
Kibe, K.		3335	Kitada, K.	1974	2164	Komatsu, Y.		1491
Kibushi, H.		2280	Kitagawa, Y.	2361	2362	Komins, T.		3067
Kida, H.		1511	Kitahara, A.		3410	Komiya, M.		841
Kido, M.		277	Kitajima, C.		137	Komiya, S.		902

Komori, S.		3669	Kubota, T.		1012	Kushizaki, M.		3258
Kon, T.	999	1234	Kudo, K.	202	2584	Kuwano, S.		3292
	1927	2211			2640	Kuwano, Y.		1000
Konaka, T.	3105	3178	Kudo, T.	838	1648	Kuwatsuka, S.	1001	1876
Kondo, A.		281			1913			1903
Kondo, K.		1498	Kueh Tiong-Kheng		2297	Kuznstsova, M. A.		830
Kondo, T.		177	Kuen, S. M.		1698	Kwack, B. H.	616	2320
Kondo, Y.		3255	Kulik, M. M.		2543	Kwangtung Coll. Agr. For.		
Kongkaeow, W.		3670	Kulkarni, K. R.	1372	1509	Dept. Plant Protect.		2861
Kongseree, N.	2209	3256			1887	Kwon, S. H.		617
Konishita, M.		3386	Kulkarni, S. N.	2440	2441		2545-	2547
Konnai, M.		1946	Kulp, E. M.		3371	Kwon, S. K.		618
Konno, T.		3323	Kulshreshtha, J. P.		2859	Kwon, S. M.		1493
Kono, F.		1874	Kumabayashi, K.		284	Kwon, Y. W.		142
Kono, H.		2539	Kumagai, K.		1489	Kyuma, K.	914	987
Kono, M.	314	941	Kumano, S.	999	1234			1002
Kono, T.		2608		1927	2211	Kyushu Agr. Exp. Stn.	2366	2367
Kono, Y.	127	165	Kumar, A.		285			
	422	449	Kumar, I.	692	693			
Konuma, S.		3033	Kumar, P.		3372	Labadan, E. M.		3405
Konzak, C. F.		461	Kumar, S.		2925	Lacsina, R. Q.		1837
Koogle, D. L.		2559	Kumaran, K.		613	Laforteza, M. R.	3447	3486
Kordan, H. A.	292	283	Kumaraswamy, K.		958	Lai, C. Y.		1005
Korea. Min. Agr. For.		3537	Kumazawa, K.		296	Lai, K. L.	178	291
Korean Agr. Sector Study				316-	318			292
Team		3538			455	Lakshmanan, Ar.		1431
Korkut, I.		1875	Kumori, F.		2137	Lakshmi, T. K.		3296
Kornblyum, E. A.		995	Kumwenda, A. S.		614	Laktionov, B. I.	1501	2038
Korsakov, N. I.		9	Kunathai, H.		2028	Lal, O. P.		2862
Kosaka, I.		1499	Kundu, B.		483	Lal, P.		1755
Koshihara, T.		2853	Kunz, P.		1368	Lal, R.		3011
Koshimizu, Y.	2571	2572	Kunimoto, T.		3110	Lalkaka, R.		2138
Koshio, H.		1668	Kunitake, M.	1235	2026	Lamb, K. P.		2863
Kostenkov, N. M.	1133	1134			3222	Lampang, N. N.		1370
Kosuge, N.		936	Kunkel, D. E.		1417	Landbouwproefstn.		
Kotako, K.		177	Kuno, K.		141	Suriname		60
Kotani, K.		1776	Kunze, C. R.		3180	Larg, A. R. G.		904
Kotani, R.		1668	Kuo, K. E.		2319	Laosinchai, B.		2864
Kotani, S.	2210	2540	Kuo, T. T.		2435	Lapade, B. E.		293
Kotireddy, M.	2541	2542	Kuppuswamy, G.		1431	Lapteva, T. P.		2039
Kotova, E.		3331	Kuppuswamy, M.	3181	3182	Latson, L. N.		2764
Kouwenhoven, J. K.		1789	Kuramoto, N.		1208	Lawani, S. M.		61
Kovitvadhii, K.	2854-	2856	Kuramoto, T.		2325	Lawas, J. M.		3539
Kowal, J. M.		1225	Kurasawa, F.		137	Lay, C. L.		576
Kowyama, Y.	612	662	Kurasawa, H.	3257	3340	Lazarenko, N. I.		3331
Koyama, K.	2957	2882	Kurata, K.		3709	Le Van Duk		1670
Koyama, S.		2958	Kurata, M.		2540	Leaumsang, P.	2854	2856
Koyanagi, Y.		1811	Kureha, S.		2950			2871
Kozaka, T.		2525	Kureha, Y.	2365	2946	Leal, J. C.		806
Kozin, M. A.		997		2949	3033	Leal Monsalve, D.		1237
Kozistkurt, N. E.		2037	Kuriakose, T. F.		287	Lechi, G. M.	2343	2368
Kozlova, G. I.		436	Kurien, S.	3279	3230	Lee, C. C.	2103	2130
Kozmina, E. P.		3179	Kurihara, H.	1369	1669	Lee, C. R.	1502	1503
Krasaesindhu, P.		1497	Kurihara, K.		1848	Lee, C. Y.	160	3265
Kratzer, F. H.		3339	Kurilova, G. A.	351	352	Lee, D. K.		2040
Kreidy, M.		3793	Kurita, T.		2262	Lee, E. J.		604
Kretovich, V. L.		390	Kuroda, T.	824	1659	Lee, E. W.	142	1437
Krishna Murti, G. S. R.		1048	Kurokawa, H.		2900		1731	3540
Krishnaamoorthy, K. K.	325	998	Kurosaka, A.		1236	Lee, H. K.	1004	1732
	1043-	1045	Kurosawa, A.		1028		1733	2040
	1529	1530	Kurosawa, H.		2056		3373	3674
		1631	Kurosawa, M.	1092	2116	Lee, H. S.	294	295
Krishnan, K. S.		1508	Kurosawa, T.		1723			1428
Krishnasamy, V.		2659	Kuroyanagi, C.		414	Lee, J. C.		1734
Krupp, H. K.		1135	Kusanagi, T.		289	Lee, J. H.	498	499
Kryzhko, B. A.		1937	Kushalappa, A. C.		2544		1238	1493
Ku, Y. L.		178	Kushibuchi, K.	290	522		2547	3289
Ku, Y. S.		1500		557	558	Lee, J. I.		3341
Kubo, C.	2221	2581		615	821	Lee, J. K.	1121	3334
Kubota, M.	1366	1367		874	903	Lee, J. O.	2865	2965

Lee, J.S.		1731	Litzenberger, S. C.	62	Mahapatra, I. C.	259	349
Lee, K.H.	499	2548	Liu, C.K.	2756		350	1033
Lee, K.M.		3541	Liu, T.P.	231		1053	1054
Lee, K.Y.		3254	Lo, T.T.				1119
Lee, M.C.		2041	Locci, R.			1390-	1392
Lee, S.B.		1538	Loganathan, S.			1507	1508
Lee, S.H.		2489	Lopes, J.				1737
Lee, T.H.		3411	Lopez Arbelaez, G			1372	1509
Lee, W.H.		1434	Lopez Campos, G.	626			1887
Lee, Y.H.	1003	1049			Mahboob, S.G.	3445	3458
Lee, Y.S.	2263	2264	Lopez Gonzalez, M.		Mahendra Prabhath, C.A.		2553
		2489	Lorenzetti, F.		Mahendranathan, T.		3347
Lee Wang, T.S.		1004	Loresto, G. C.	491-	Maheshwari, S.K.		2308
Leeuwangh, J.	2866	2867			Maheshwari Amma, S.		2554
		2918	Lovato, L.A.	1862	Maianu, A.		1008
		2955-	Lowe, J.A.		Maianu, A.N.		921
		2961		2877-	Mainasheva, G.M.		1009
Lege, E.J.		3223	Lozado, J.		Maity, K.		1582
Lege, F.M.	3542	3543	Lu, C.C.		Majumdar, B.		634
Lema Nistri, L.		2212	Lubigan, R.T.	1878-	Majumdar, D.K.		299
Lemeshev, N.K.		9		1957-	Majumder, B.		635
Len, S.C.	1671	1672		1965-	Majumder, S.K.	1344	3115
Lenets, L.K.		1114	Luc, M.				3268
Lenka, D.	2042	2342	Lucena, M.		Makali		3399
		3830	Luke, P.		Maki, M.		2498
Lennolink, K.J.		2027	Luk'yanchikov, V.P.		Maki, S.		1132
Leon, J.		619	Lusanandana, C.		Makino, M.		2509
Leonzio, M.		1122	Lyakhovkin, A.G.		Makino, T.		2214
Lequerica, J.L.		3183	Lyubimova, I.N.		Makita, M.		3344
Lessoif, J.M.		3448			Malagoni, R.	1991	1992
Leung, K.W.		1005					3241
Levander, O.A.		3245	Mabuchi, T.	1735	Malawi. Dept. Agr.		64
Levi, J.		3544	Macaixa, N.G.	1504	Malays. Agr. Res. Dev.		
Levine, G.		2032	McComb, J.A.	628	Inst.		2265
Lewin, L.G.		795	McDonald, D.J.	795	Malenko, L.A.		1398
Lewvanich, A.		2868	McGaughey, W.H.	3106	Maliwal, G.L.		329
Li, C.C.		620	Machado, S.S.	3767	Mallick, R.N.	1125	1241
Li, H.K.		1006	Machimura, N.	2791			1888
Li, Y.S.		502	Maclel, V.S.	2196	Mallikarjuna Rao, K.		3107
Lianguthisakon, S.		2436	McIlrath, W.O.	629-	Mallikarjuniah, K.G.		3573
Librero, A.R.		3549		831	Mallya, J.I.		2555
Lim, B.L.		3034		2507	Malzer, J.L.		3278
Lim, D.		3545	McIntosh, J.L.		Mammen, K.V.		2875
Lim, G.S.	2774	2869	MacQuillan, M.J.		Manabe, H.	841	842
		2870	Madamba, C.P.		Manalo, A.S.	3141	3176
Lim, M.S.		498	Madane, N.P.		Manamohanlal, S.		2215
Lim, P.K.		294	Madera, A.G.		Mandac, A.M.		3678
Lim, U.K.		240	Madhava Menon, P.		Mandal, B.K.		657
Lima, G.A.		1239	Madnani, M.L.		Mandal, G.C.		3412
Limpaphayom, C.		2871	Madrid, M.T.		Mandal, K.C.		1010
Limpnuntana, V.		260	Maebara, T.		Mandal, L.		3345
Lin, A.I.		2482	Maeda, E.	144	Mandal, L.N.		1010
Lin, C.F.	1004	1006		298	Mander, L.N.		185
Lin, C.I.	621	2188	Maeda, H.	2874	Mangahas, M.	3413	3449
Lin, F.H.	622	623				3549	3550
Lin, F.S.		2435	Maeda, I.		Mani, V.S.		1871
Lin, H.C.		429	Maeda, K.	1792	Manimekakai Gurunathan, G.		636
Lin, H.K.		3035	Maejima, I.		Manna, G.B.		1148
Lin, K.S.		2872	Maekawa, K.		Mannan, M.A.		1510
Lin, M.H.		296	Maekawa, S.	1240	Mano, Y.		2876
Lin, P.C.	625	1697	Maekawa, T.		Mansour, O.Y.		3316
Lin, P.T.		3675	Magnaye, C.P.		Manten, A.A.		3414
Lin, S.M.		3283	Magne, C.		Manto, J.M.		3677
Lin, S.S.	357	358	Mahadevappa, M.	515	Manuel, W.W.		637
		624		633	Mao, Y.K.		3480
		625		835	Marchandani, G.G.		6
Lin, T.F.		625		1736	Marges, B.E.		3036
Lindberg, G.D.	2305	2549			Mariano, E.P.		3551
	2550	2606	Mahajan, K.K.		Marie, R.	638	639
Ling, K.C.		595	Mahanta, K.C.		Mariot, C.	2216	2226
Liu, S.D.		2551					

Maros Res. Inst. Agr. Indonesia		65	Mazaredo, A.	437	438	Miller, P. M.		308
Marquez, R. C.		3552	Mears, L. A.	440	441	Miller, S. F.		1459
Martin, J. M.		2745	Medina, C. R.		3552	Miller, Yu. M.		1047
Martin, T. E.		3223	Meerzainudeen, M.		3346	Mimoto, H.	838	1348
Martinez, C. P.		857	Meggitt, W. F.		1534	Minabe, M.		1739
Martinez, C. R.	640	641	Mehra, A. K.		2275	Minnev, V. N.		1247
Martins, J. F. S.		2217	Mehra, D. S.		3826	Minagawa, M.		3142
		2877-	Mehran, M.		3433	Minami, M.	977	1015
		2879	Mehrotra, O. N.		1951		1453	1454
Marumoto, T.	1511	1512	Mehrotra, P. C.	812	3259		1792	1804
Maruoka, N.	2847	3032	Mehta, B. V.		3825	Mine, A.	1847	1893
Maruyama, T.	1810	1812	Mehta, S. L.		1514			1894
		1814	Meisch, M. V.		204	Minehart, D. J.		31
Masajo, T.	2507	2604	Melachrinou, A.	836	2745	Minervini Ferrante, G.		1018
Masajo, T. M.		642	Melachrinou, F.		1923	Miralao, V. A.		3449
Maslov, A. I.		436	Melching, J. S.		836	Mirza, J. H.		2469
Mustenbroek, J. J.		799	Melchor, F. M.		2559	Misato, T.		2613
Masuda, T.		2266	Melikov, M.		934	Mishima, Y.		3272
Masui, A.		2379	Mellish, K. S.		837	Mishra, D.	309	310
Masuyama, Y.		2611	Mello Amaral, R. E. da		3347	Mishra, D. S.		2891
Mathew, G.		2880	Mellor, J. W.		2512	Mishra, M. D.	2336	2348
Mathew, K. P.	2709	2710	Mellor, M. M.		3713	Mishra, V. K.		1518
		2744	Mel'nik, E. M.		1244	Misra, A.	1895	1896
Mathur, O. P.		1513	Mel'nikov, K. A.		3177			3679
Mathur, P. N.		329	Melo, G. S.	3246	3351	Misra, B.	2042	3830
Mathur, S. B.	2190	2199			3317	Misra, B. K.		310
		2205			3318	Misra, G.	275	276
		2470	Meades, J. F.		1459	Misra, J. P.		2070
		2520	Mendoza, C.		3024	Misra, P. S.		3260
		2641	Mendoza, C. V.		66	Misra, R. N.		746
		2556	Mendoza, P. A.		1930	Misra, S. N.		1582
Mathur, S. C.		2697	Mene, G.		3062	Mistry, K. B.		578
Mathur, V. K.		1289	Meaguito, M. P.	3037	3038	Mitchell, A. J. B.		1017
Matlushenko, B. T.		1363	Menon, M. R.	2320	2621	Mitra, G. N.		649
Matos Lopes, A. de		3108	Merca, S. D.		2433	Mitsenko, E. A.		3368
Matsuda, A.	1373	1394	Mercado, B. L.	279	303	Mitsuchi, M.	1019-	1020
Matsuda, J.		321		1879-	1886	Mitsuda, H.	3261	3262
Matsuda, K.		1739		1890	1891			3285
Matsuda, M.		128			1930	Mitsuhashi, J.	2882	2883
Matsuda, T.	128	140			304	Mitsuhashi, S.	412	1728
Matsuguchi, T.		1011	Mercado, B. T.		3415	Mitsuishi, S.		1673
Matsui, M.	1012	1791	Mercado, C. M.		1892	Mitsunaga, T.		3261
Matsui, T.	300	2589	Merrler, H.		2698	Miura, H.	2513	2560
Matsumoto, E.		1312	Merny, G.	643	3260			2708
Matsumoto, H.	256	267	Mertz, E. T.		1515	Miura, K.		2345
		1870	Merzari, A. H.		2044	Miura, S.		3224
Matsumoto, K.	915	2124	Mesele, J. A.		3348	Miura, T.	2895	3349
	2140	2357	Metwally, A. M.		1645	Miyabe, K.		905
Matsumoto, N.		816	Meyer, R. L.		3553	Miyagawa, K.		3291
Matsumoto, S.	1101	1209	Meyers, W. H.		532	Miyagi Agr. Exp. Stn.		67
		2558	Mia, M. M.		647	Miyagoshi, M.		2900
Matsunaga, T.		343	Miah, A. J.		2009	Miyahara, K.		2381
Matsunaka, S.		1894	Miah, A. L.	1245	2299	Miyahara, M.		1897
Matsuno, T.		3578	Miah, S. A.	2298	1584	Miyajima, Y.		839
Matsuo, H.		2043	Mian, M. A.		1516	Miyake, N.	975	1519
Matsuo, K.		1811	Michael Raj, S.		1246	Miyake, S.		1783
Matsuo, T.	643	826	Michaelis, S.		305	Miyamoto, J.		2881
Matsuo, Y.		1013	Miche, J. C.		2141	Miyamoto, K.		2051
Matsushima, H.		301	Michiba, M.		737	Miyamoto, N.		1249
Matsushima, S.	1619	3931	Micke, A.		1023	Miyasaka, A.	143	1318
Matsushiro, H.		2141	Mihara, B.		2881	Miyasaki, N.		2807
Matsuura, K.	1014	1889	Mihara, K.		305	Miyashita, T.		2818
Matsuura, M.	1657	3314	Mikaelsen, K.		882	Miyata, K.	256	1679
Matsuzaki, A.	302	1619	Mikami, K.		431		1880	2203
		3831	Mikheev, E. K.	307	1628	Miyata, Y.		1248
Matthes, R. K.		2192		1517	2313	Miyazaki, H.		1249
Matuba, K.		644	Miki, S.		2052	Miyazaki, M.	1898	1901
Matunaga, Y.		815	Mikkelsen, D. S.	1423	3290	Miyazato, K.		658
Matuzaki, M.		2381	Mikoshiba, K.		308	Miyazato, M.		245
Maurya, D. M.	645	1242	Miller, J. H.		3205-	Miyazawa, A.		1107
Mayer, J.		1243	Miller, M. F.	3205-	3207			

Miyoshi, H.		1250	Morita, K.	314	1375	Marshed, M.		3556	
Mizota, T.		2338	Morita, S.		2396	Murshed, S. M. M.		3584	
Mizukami, T.	2300	2437	Morita, T.	2555	3326	3356	Murty, K. S.	323	324
Mizuno, Y.	1251	1618	Moritani, M.		840				1528
Mizushima, S.		2578	Moriwaki, R.		1691	Musico, A.		3024	
Mobarak, F.		3350	Moriwaki, T.		315	Mustafa, G.		647	
Mochida, O.	2267	2384	Moriya, H.		2048	Muthiah, N. D.		958	
		2385	Moriya, K.		1253	Muthu, M.		3109	
Modgal, S. C.	1379	1520	Moriya, M.		1797	Mithuswamy, P.	325	998	
		2045	Moriyama, Y.		841	842	1529	1530	
Mogami, M.		2492		1536	2338	Mwaruka, S. H.	651	652	
Mogi, M.		2886	Moriyuki, K.	3131	3188	Myttenaere, C.		326	
Mogi, S.	2502	2503	Morizami, S.		2116				
		2535	Morohashi, J.		3134				
Mohamed Ali, A.	311	2046	Morris, J. G.		3324	Nabheerong, N.	2354	2370	
Mohamed Hanifa, A.		2337	Morrison, B.		3769	Nachappan, K. M.		2049	
Mohamed Kunju, U.		3435	Morrison, W. R.	3166	3770	Naderman, G. C.		2321	
Mohan, M. S.		3107	Morunova, G. M.		1137	Nagahori, K.	1795	1810	
Mohan, S. K.		2438	Mosina, S. B.		654		1814	1815	
Mohan Kumar, C. R.		1521	Mota, F. S. da	905	1138	Nagai, H.		3178	
Mohan Rao, P. K.		2741		1610	1759	Nagai, K.	2894	2895	
Mohanty, H. K.		650	Mota, T. P.	3187	3555	Nagalakshmi, K.		958	
Mohanty, N. N.		2551	Moulton, T.		1404	Nagamatsu, T.		1742	
Mohanty, S. K.	312	1021	Moulton, T. P.	1376	2890	Nagao, T.	1259	1468	
Mohapatra, K. C.		650	Moura, L. M. de		3570			3274	
Mohsen, A. K. M.		2047	Mouray, J. M.		326	Nagaraju, M.		475	
Moka, L. G.		1114	Moustafa, A.		1461	Nagashima, F.	412	1728	
Molokov, L. G.		313	Mru'hyutjaya		3573	Nagata, M.	2111	2144	
Momota, Y.		2359	Mu Si Min		1204	Nagata, T.		2896	
Mondardo, E.	432	904	Muda Agr. Dev. Author.	2142	2143	Nagato, K.	1676	3225	
		305			3583	Nageswar Reddy, M.		1378	
Mongi, H. O.		1522	Mudahar, M. S.		3533	Nagpure, N. S.		1573	
Mongkon, C.	2562	2563	Mudholkar, N. J.		1525	Naik, M. S.	204	205	
Monserate, R. U.		3066	Muhammad, S.	316-	318			385	
Montañez, A. T.	3184	3263			1456	Naik, S. L.		2440	
Montaño, C. B.		3416	Muhsi, A. A. A.	254	255	Nair, G. T.		3452	
Montenegro G., V.		1674	Mukhametzhano, T. Kh.		1794	Nair, K. S.		1024	
Mortgomery, R. D.		3680	Mukharji, S. P.		2391	Nair, M. R. G. K.	2245	3121	
Montrakun, S.		63	Mukherjee, J. N.		1377	Nair, N. K.		659	
Montuoro, P.		1451	Mukherjee, N.	2400	2566	Nair, P. K. R.	1379	1531	
Montverdt, J. J.	206	207	Mukherjee, P. K.		2567	Nair, R. R.		1139	
Monyo, J. H.	651	652	Mukherji, D. K.	70	657	Naito, A.		1901	
Mookerjee, A. L.		2388			1254	Naito, H.	2571	2572	
Moosaw, J. C.		443	Mukherji, S.	319	320	Naka, S.	2123	2145	
Moon, C. S.		1734			355	Nakabayashi, K.		416	
Moon, H. P.		548	Mukherji, S. K.		1900	Nakabayashi, S.		3557	
Moon, F. Y.	3554	3807	Mukhopadhyay, A. K.		1041	Nakabori, T.		1739	
Moon, W. H.		3278	Mukhopadhyay, R.		2594	Nakado, K.		327	
Moore, J. R.		3768	Mukhopadhyay, S.		2339	Nakae, K.	3188	3351	
Morachan, Y. B.	311	1516	Muko, H.		2634	Nakagahra, M.	650	661	
		2043	Mulder, J. L.	2568-	2570	Nakagami, K.		2633	
Moraes, J. F. V.	1136	1523	Mullins, T.		3769	Nakagawa, G.		1677	
		1524	Munakata, K.	450	1863	Nakagawa, K.		2007	
Mordue, J. E. M.		2564	Mune Gowda, M. K.		850	Nakagawa, M.	988	1902	
More, B. B.		3342	Muroe, D. D.		2892	Nakagawa, N.	230	874	
Moreau, J.		1374	Murai, N.		2141	Nakagawa, R.		2219	
Morgan, H. G.		2839	Murai, T.		2284	Nakagawa, T.		988	
Mori, H.	1683	1684	Murakami, H.	1022	1023	Nakagawasi, H.		2123	
Mori, K.		600			1526	Nakahashi, Y.		2146	
		653	Murakami, M.		2993	Nakahori, T.		874	
		2214	Murakami, T.	1102	1333	Nakai, Y.		2505	
		3185			1493	Nakajima, K.		1796	
Mori, T.	1676	1793	Murakami, Y.		1012	Nakajima, M.		2242	
Mori, Y.	1252	1899	Muraleedharan Nair, V.		843	Nakajima, Y.		3336	
		3681	Muralidharan, V. K.		1255	Nakajo, H.	892	1708	
Mo imoto, T.		853	Muramatsu, T.	321	434		1813	2063	
Morimura, K.		2439	Muramatsu, Y.		2230	Nakamura, H.	1092	1256	
Morinaga, T.		69	Murata, T.		322			1235	
Morinto, T.		3682	Murayama, N.		1527	Nakamura, M.		279	
Moris, J.		20	Murayama, S.	658	1675	Nakamura, R.		907	
Morishima, H.	654-	656							

Nakamura, S.	1259	1468	Nathan, G. P.	1066	Nippon Tokushu Noyaku	
Nakamura, T.		2846	Natl. Acad. Sci. U.S.	71	Zeizo Kabushiki Gaisha	1907
Nakamura, Y.		1903	Natl. Food Agr. Council		Nirei, M.	2242 2852
Nakane, A.	597	821	Philippines	3558		2902
Nakanishi, T.		2633	Natl. Grains Author.		Nishi, Y.	2373
Nakano, H.	144	145	Philippines	72 3559	Nishida, H.	2098
		1209	Natl. Irrig. Admin.		Nishigata, Y.	560
Nakano, K.		3292	Philippines	2050	Nishikawa, H.	1721 1908
Nakano, M.	1867	3248	Natl. Res. Council Food		Nishikawa, K.	1536 1537
Nakano, N.	1065	1532	Nutr. Board	3286	Nishikawa, M.	2259
		3110	Natori, T.	1259	Nishikawa, Y.	1069 1537
Nakao, K.	612	662	Nattirbhop, S.	1380	Nishime, R.	730
Nakashima, T.		1667	Natural, M. P.	2431	Nishimura, M.	1028 2051
Nakasuga, T.		2897	Navasero, E. P.	332	Nishio, K.	433
Nakasuj, F.		2371	Navavichit, S.	3014	Nishio, M.	816
Nakata, K.	1740	1741	Nayak, P.	665 2446	Nishio, T.	1730
Nakatani, H.	1257	1533	Nayak, R. C.	1033 1546	Nishiuchi, H.	1743 1744
Nakatani, S.	663	883	Nayak, S. K.	323 324	Nishiuchi, M.	1262
		884	Nayar, K. M. D.	527	Nishiyama, H.	859
Nakatomi, K.		2852	Nechaev, A. P.	3352	Nishiyama, S.	975 1519
Nakaya, N.		1025	Neergaard, P.	2190 2193	Nisizawa, K.	405
Nakayabu, M.	2874	2995		2206 2218	Nitta, H.	847
		2986		2301 2470	Noake, H.	3687
Nakayama, H.		146		2471 2520	Noda, H.	2903
	217-	222		2555 2577	Noda, M.	1263 1264
	328	388		2641 2666		2380 3353
	389	1252	Negishi, H.	1797		3832
		1929	Neillist, M. E.	2220	Noda, O.	2647 2648
Nakayama, K.	232	1944	Nelson, G. C.	3537	Noggle, J. C.	207
		2147	Nema, A. G.	2441	Nogi, T.	1598
Nakayama, O.		416	Nema, K. G.	2440	Noguchi, H.	1141
Nakayama, R.		734	Nemoto, H.	666	Noguchi, I.	1618
Nakazato, F.		2983	Nepal. Dept. Agr.	73	Noguchi, T.	3327 3354
Nakazawa, K.	2831-	2933	Nepal. Dept. Agr. Educ.		Noguchi, Y.	2847 2904
	2835 2837	2838	Res.	1260 1261		3032
Nakazawa, S.		1093	Nepal. Min. Food Agr.	3685	Noh, Y. H.	939
Nakazima, K.	2148	2149	Neto, A. A.	3570	Noma, K.	76
Nako, Y.		847	Neves, E. M.	3696	Nomura, M.	1668 1776
Naksuj, F.	2898	2899	New South Wales. Dept.		Nomura, T.	333
Nalivko, G. V.		1419	Agr.	74	Nomura, Y.	1142
Namikawa, K.		2150	Newman, D. R.	1905	Nonaka, K.	1867 2894
Namiki, M.		3111	Ng, C. M.	780	Nonomura, T.	1265
Namioka, M.	874	903	Nguyen Duc Cao	1906	Noorsjamst, H.	1266
		3274	Nguyen Phu Thien	1140	Norcio, N. V.	334
Nammuang, P.		1026	Nguyen Van Huynh	2901	Norman, M. J. T.	1345 1408
Namoto, T.	1519	1791	Nguyen Xuan Son	1140	Noro, S.	3178
Nanawati, G. C.		329	Nha, J. S.	1500	Noronha, H. F. de	3696
Nanbu, M.		1742	Nheu Sui Slong	1204	Noshiro, K.	3367
Nandakumar, C.		2699	Nho, S. P.	1500	Novosolov, S.	3189
Nandi, B.		2573	Nhazi, F. R.	2336	Nozaki, M.	3323
Naphade, J. D.		1027	Nichikov, M.	1381	Ntokotha, E. M.	1017
Narahari, P.		724	Nichikov, M. K.	1382	Numakawa, T.	3355
Narain, A.		2574	Nichols, F. E.	2064 2103	Numakura, S.	1798
Narasimha, H. V.		3299	Nickel, J. L.	2302	Numata, M.	1909
Narasingha Rao, Ch.		330	Nicolas, J. S.	3686	Nureña S., M. A.	1745
Narayana Rao, A.	2575	2576	Nieto Solano, J.	1237	Nyanteng, V. K.	3772
Narayana Reddy, S.		1290	Nigam, R. K.	1383 1384		
Narayanan, K.		1534	Nigeria. Fed. Dept. Agr.			
Narayanasamy, P.		684	Res. Moor Plant.	75	Obata, T.	2818
Narayanaswamy, D.	3279	3280	Nigh, E. L.	2251	Obermueller, A. J.	2052
Naruho, S.	331	2099	Nihon Keizai Shimbun-Sha.		Obordo, R. A.	3401
Nasir, M. A.		2469	Shohinbu.	3771	Obukhov, A. D.	1029 1030
Nasiruddin, M.		853	Nikura, M.	3132		2037
Nasu, S.		2372	Niimura, Y.	859	Ocampo, V. M.	790
Nasuda, K.		2900	Niizawa, N.	3349	O'Carroll, F. X.	3773
Nasution, R. E.		1904	Nikolaeva, S. A.	1009	Oda, K.	2830 2905
Natal'in, N. B.		664	Nilakhe, S. S.	2763 2764	Oda, M.	460 2241
Natarajan, C. P.		1535	Nilpanit, P.	3014	Offermann, G. P.	2322
Natarajan, T.		2337	Ninan, C. A.	659	Ogane, Z.	2905
Nath, H.		3297	Nioh, T.	2578	Ogasawara, A.	1267

Ogasawara, N.	2338	2579	Omura, R.		340	Owens, T. R.	3112	3774
Ogawa, M.		335	Omura, T.	300	658			3775
Ogawa, S.		1268		661	672	Oya, S.	2913	2914
Ogawa, T.	587	667			708	Oyamada, Z.	290	874
		1691	Omwatam, G.W.O.		848	Oza, A.M.		344
Ogawa, Y.		336	Ofate, B. T.		3808	Ozaki, K.	1373	1394
Oguchi, T.		2464	Onderka, H.M.		3278		2375	2915
Ogura, T.		248	Ong, C.A.		2389		2916	3564
Oh, J. H.		617	Ongkingko, P.S.		2053	Ozawa, K.		1914
	2545-	2547	Oni, S.A.		3190			
Oh, J.S.		1031	Oniki, M.	2583	2881			
Oh, W.K.		1538	Onikura, Y.	941	1025	Pacho, A.G.		3589
Oh, Y. T.	1539	1540			3358	Padalia, C.R.	1525	1748
Ohara, K.		3688	Onituka, S.		2381	Padao, L.O.		3892
Ohashi, K.	1059	1678	Ono, F.		3293	Padayaty, J.D.	174	345
Ohashi, M.		3388	Ono, K.	888	1913	Padmanabhan, S.Y.	665	826
Ohashi, T.		1269			3323		849	2303
Ohata, K.	2221	2222	Ono, M.		2155		2403	2404
	2580	2591	Ono, S.	157	484		2532	2590
Ohba, T.		1819		668	859		2591	2859
Ohira, S.	2823	2824			1648	Padmini, M.		149
Ohkubo, T.		1369	Onozawa, Y.		673	Padre, B.C.		1109
Ohno, Y.		337	Onozuka, K.		2851	Padua, A.B.		3192
Ohshima, Y.		2701	Onuma, W.	1747	3226	Painter, H.		3119
Ohta, M.	3326	3355	Oogarah, P.		121	Paiva, J.B.		2224
Ohtaki, E.	908	912	Ookura, T.	2534	2585	Pajanisamy, N.	944	2055
Oikawa, T.	1541	1910	Opelario, C.T.		3486	Pak, V.N.		1205
	2151	2152	Opik, H.	341	342	Pakistan. Plann. Comm.		78
Oikawa, Y.		3357	Opina, C.S.		2411	Pal, D.		1032
Oizumi, K.		2153	Ople, L.V.		3562	Pal, N.D.		1344
Ojha, T.P.		3145	Oran, Y.K.		2586	Pal, P.		2185
Oji, Y.		338	Orcino, B.		3591	Pal, R.A.		1301
Oka, H.I.	654	656	Orellana Perez, P.		854	Palada, M.C.		1386
	668	669	Orita, S.		2912	Palanichamy, K.		770
	845	846	Oritani, T.	343	456	Palaniswamy, A.		3006
Oka, T.		3689	Orleanski, V.K.		1850	Palaniswamy, K.M.	346	347
Okabe, S.		774	Oriova, Z.		3189		1203	1272
Okada, M.	670	1799	Orosenigo, J.R.		2247		1545	3809
Okada, T.	2356	2702	Ortega, H.H.	1427	1543	Palaniswamy, P.		2283
Okada, Y.	2111	2144	Orticio, H.M.		3563	Paleg, L.G.	185	196
Okafor, L.I.	1911	1912	Osadchaya, O.S.		1114	Paliwal, S.K.		1766
Okamoto, D.	2357	2906	Osana, S.		242	Paller, E.C.		1916
Okamoto, Y.		1542	Osawa, T.		2077		1957-	1970
Okawa, M.		1746	Ostfo, D.E.		3191	Palmer, I.		3417
Okazaki, K.		2907	Osiname, O.A.		1485	Palmer, R.D.		1917
Okazaki, S.		1981	Osler, R.	2330	2374	Palmlano, E.P.		348
Oki, Z.		2154	Osmancoglu, M.N.		1270	Pamuntjak, M.		399
Okigbo, B.N.		1385	Osumi, K.		882	Pana, C.		1823
Okishio, Y.		2146	Ota, A.		2141	Panarin, I.V.		2376
Okoro, E.B.		3561	Ota, I.	3227	3228	Panasjuk, V.G.		3361
Oku, H.	339	2592	Ota, T.	309	1271	Panchakshariah, S.		1738
		2588			2203	Panda, N.		2917
Okuda, A.		900	Ota, Y.		335	Panda, S.C.	349	350
Okuda, S.		2492	Otaki, M.		2069		1033	1546
Okuma, C.	2908	2909	Otavo, J.		1915	Pande, H.K.	392	393
Okuma, M.	1729	1763	Otsuka, K.		2268	Pandey, J.		1547
	1948	2136	Otsuki, K.	3271	3272	Pandya, A.C.		3138
		2375	Ottavo, Y.	857	1427	Pandya, D.N.		3695
Okuno, K.		671		1543	1915	Paner, V.E.		1387
Okutsu, Y.		1338			2223	Panichapat, W.		674
Okuyama, S.	2795	2910	Ou, S.H.	2431	2450	Panikar, S.N.		850
Okuyama, Y.	2812	2911		2587	2622	Pankratov, N.		1273
Olayemi, J.K.		3190	Ouchi, S.	2582	2598	Pansuri		2056
Oldeman, L.R.	366	898			2808	Pant (G.B.) Univ. Agr.		
		1750	Oupathum, J.		1544	Technol. Exp. Stn.		79
Oliveira, M.A.		1080	Overseas Tech. Coop.			Pantastico, E.B.		334
Olunuga, B.A.		1843	Agency Japan		77	Pantastico, J.B.		1034
Omari, A.H.		3690	Ovsyannikov, A.S.		2054	Pantin, D.A.		3693
Omoso, N.	847	3017	Owada, T.		2589	Panudju, P.	2866	2918
Omura, K.		847	Owen, E.J.	1335	1450			2919

Panwar, D.Y.S.		401	Perdon, A.A.		356	Pozhilov, V.I.		1611
Parao, F.T.	351	457	Peregrina, W.T.H.		2592	Prabakaran, J.		2593
		910	Pereira, F.V.		3722	Prachuabmoh, V.		3391
Paras, A.S.		2156	Perez, A.T.		853	Pradhan, A.		894
Paredes G., J.		1166	Perez, R.A.		1891	Pradhan, S.		2925
Parfenyuk, A.A.		2269	Perez Ponce, J.		854	Prakasa Rao, P.S.		2730
Paricha, P.C.		352	Person, N.K.		3114		2926-	2928
Parikh, G.O.		3714	Peru, Mtn. Agr.		80	Prakash, S.S.		3194
Paris, P.		1335	Perumal, K.R.		352	Prasad, B.	1389	1568
Park, A.W.		3039	Pescetti, H.R.		3595			1569
Park, C.H.	1538	3418	Peterson, F.J.		1540	Prasad, C.		3451
Park, C.K.		539		1550	1551	Prasad, D.S.		3566
Park, C.M.		3359		1553-	1557	Prasad, H.H.		3125
Park, H.	353	3264		1588-	1592	Prasad, L.		1602
		3265		1641-	1644	Prasad, N.N.		2310
Park, H.C.		2040			3267		2445	2524
Park, J.S.		2740	Peterson, G.D.		2270		2541	2542
	1385	2965	Peterson, M.L.	281	357		2593	2656
	2865	2057			358	Prasad, R.		1572
Park, K.S.		3359	Peterson, W.		3421	Prasad, S.K.		2697
Park, M.S.		499	Petpisit, V.		675	Prasad, Y.	2278	2966
Park, R.K.	498	3289	Petrusovits, I.		1143			2968
		3265	Phadnis, A.D.		3281	Prasada Rao, R.D.V.J.		2377
Park, S.H.		554	Pham-Hoang-Ho		1275	Prasada Rao, Y.		1593
Park, S.Z.		1049	Phan Hieu Hien		2159	Pratt, L.H.		363
Park, Y.D.	1035	2325	Phang, C.C.		1583	Prechachart, C.	855	1297
	1050	3801	Phanomsawara, K.	2189	2411	Premalatha Dath, A.		2404
Parker, C.O.		3565		2562	2563	Priestley, R.J.	3229	3306
Parker, J.B.		3197	Phelps, H.O.		2059	Programa Nac. Arroz		
Parker, R.E.	3193	2536	Philippine Counc. Agr. Res.	81-	85	(Peru)	1276-	1279
Parlak, Y.		3230	Philippines. Bur. Agr.			Prosper G., J.		3569
Parpla, H.A.B.		3113	Econ.	3698	3599	Protacio, M.E.		1424
Parsons, R.A.		3586		3776-	3778	Prudnikova, T.N.		3200
Parthasarathy, G.		3040	Philippines. Bur. Plant			Puga Rebello, A. da		3570
Partoatmodjo, S.		1543	Ind.		2922	Pura, C.D.		2929
Partohardjono, S.		2323	Phillips, D.P.	984	1037	Puranik, R.B.		1039
Pasricha, N.S.		3420	Phillips, R.	3779-	3782	Purivirodkul, W.		2924
Pasternak, B.	3419	1274	Phillips, R.L.		211	Purkayastha, R.P.		2594
Patel, H.S.		3595	Phonangphol, C.		2796	Purnariksha, R.		1280
Patel, K.F.		1255	Piaccio, R.		1749	Purushothaman, D.	2442-	2445
Patel, N.P.		2751	Piccoli, F.		1919	Pusat Latehan Pertanian		
Pathak, M.D.	178	2920	Piccone, G.		936	Lundang		1281
		1143	Pierre, J.F.		2060	Pushpavesa, R.		147
Patil, R.N.		354	Pillai, G.R.		1139	Pushpavesa, S.	676-	680
Patil, J.D.		3342	Pillai, K.G.	1298	1921			1282
Patil, P.L.		2058	Pillainayagam, M.G.		2160	Puttn, M.	2354	2387
Patil, S.S.		1011	Pinsker, N.I.		2379		2392	2393
Patiyuth, S.		2042	Pirson, H.		3492	Puttarudriah, M.		3008
Patnaik, N.M.R.		955	Pisharody, P.N.		1139	Puttaswamy Gowda, B.S.	1570	1785
Patnaik, S.	312	1549	Pisigan, R.A.		359			
	1021	2917	Pisithpin, S.		3910	Quaroni, S.		297
Patra, N.C.		3267	Pisone, U.		3369	Quistad, G.B.		2930
Patrick, R.M.		1035	Pjon, C.J.		360	Qureshi, M.		858
Patrick, W.H.	950	1551	Plant Protect. Cent. Taiwan		2271	Qureshi, S.K.		3783
	1550	1567	Pleinsinchai, A.		2394			
	1566	1552	Podkin, O.V.		2378			
Patro, G.K.	1393	355	Pohjakas, K.		2081			
Paul, A.K.		159	Politi, A.		3700	Rabson, R.		681
Pauret, M.		2921	Pollarp, S.		3339	Radhamohan Rao, M.		1771
Pawar, A.D.		214	Pongprasert, S.	494	2923	Rafael Trujillo, M.		2931
Pawar, V.S.		3567			2924	Raghavan Pillai, G.		1571
Pearson, S.R.		851	Ponnaiya, B.W.X.		2857	Raghavulu, P.		1920
Pedroso, B.A.	487	1388	Ponnamperuma, F.N.		1038	Raghupathy, B.		1040
	852	1753	Pookkachatikul, J.		3701	Ragunathan, A.N.		3115
	1757	1918	Pordesimo, J.N.		3811	Ragunathan, V.		2593
		1560	Porokhaya, A.D.	313	361	Rahman, L.		148
Peevy, W.J.		3241			362	Rahman, M.L.		3571
Pela, E.		3396	Potolowsky, D.		1380	Rahman, M.M.		532
Pellegrini, L.M.		2158	Pottker, D.	482	804	Rai, B.K.	2932	3116
Pellizzi, G.	2157	3697			805			
Peng, T.S.								

Raj, D.	325	1007	Reddy, A. P. K.	2448	2449	Rosenberg, N.	3755
	1040	1529	Reddy, C. S.	686	687	Rosenfield, D.	3287
		1530	Reddy, D. V. R.		2378	Rosero, M. J.	690 856
Rajagopalan, M.		812	Reddy, G. M.		149		857
Rajalakshmi, D.		3280		685-	687	Rosero Moran, M. J.	1286
Rajale, G. B.		1572		700	763	Ross, V. E.	90 1287
Raju, D. N.		2225	Reddy, N.		1255	Rossetto, C. J.	3119
Raju, G. S. N.		1041	Reddy, O. R.	2450	2451	Rossi, L.	3722
Raju, K. K.		763	Reddy, P. R.		1212	Roumasset, J.	3422
Rakcheeva, T. S.		3160	Reddy, T. G.		2917	Rousseaux, G.	3799
Ralston, R. A.		3702	Reddy, T. P.	685-	687	Row, K. V. S. R. K.	2590
Ram, G. S.		3572	Ree, J. H.	688	689	Roxas, D. B.	3308 3309
Ram, M.		682	ap Rees, T.	2477	2478		3310 3363
Ram, S.		1871	Reeve, D. R.		368	Roxas, N. P.	3308 3309
Rama Rao, V. V.		3144	Reifman, V. G.		2379		3319
Ramachandran, K.		2235	Reim, R.		2533	Roy, A. C.	1288
Ramadoss, N.	2659-	2661	Reisinger, O.		2060	Roy, D. R.	1443
Ramakrishna Rao, M.		3182	Rema Devi, L.		2553	Roy, K.	572
Ramakrishnan, C.	1024	2933	Remy P., J.		1283	Roy, N. C.	1895 1896
Ramakrishnan, C. K.		2553	Rengasamy, P.		1048	Roy, N. K.	3451
Ramakrishnan, V.		869	Repka, V. P.		3361	Roy, S. E.	2064
Ramamoorthy, B.	364	1042	Requent, V.		1922	Roy, S. K.	3042
Ramana, K. V.		2703	Reversat, G.		2704	Rozeboom, H. P.	3197
Ramanatha Menon, M.		2553	Reyes, R. D.		3704	Rozin, S. Ia.	1289
Ramanathan, G.		1631	Reyes, T. M.		3447	Ruayaree, S.	2828
Ramanathan, K. M.	1043-	1046	Reyes, T. M. M.		3486	Ruhendi	2957 2958
Ramani, S.		365	Reynolds, H. T.		2275		2961
Ramanna, R.		3573	Reynolds, W. L.	3378	3379	Rush, M. C.	2305 2507
Ramasastri, B. Y.		3282			3381		2603- 2606
Ramaswamy, R.		2623	Rhee, J. O.		540	Russell, E. W.	1052
Ramayya, B.		2225	Rhee, J. Y.	1049	1050	Russell, M. B.	31 973
Rambachan, S.		3574		2325	3362	Russo, S.	691 911
Ramiati	366	1750	Rhee, Y. I.	535-	537		1800
Ramos, E. M.	3450	3703	Ribaldi, M.		2596	Rutger, J. N.	261 357
Rampal, A. J.		1754	Ribeiro, A. S.	2226	2304		358
Ramteke, J. R.		1573		2597-	2601	Rutledge, J. E.	3198 3253
Ranatunga, A. S.		3408	Ribon, M.		3570	Ruttan, V. W.	91 3423
Randhawa, M. S.		87	Rice Millers' Assoc.	3813-	3815		3755
Randhawa, N. S.	192	2323	Rice Process Eng. Cent.			Ruttanaburee, K.	1579 1580
Randyopadhyay, A. K.		2616	India		3195	Ryan, J. G.	3708
Ranga Reddy, P.		2446	Richardson, B. C.		3705	Ryacz, W. S.	1923
Ranga Reddy, T. V.		1649	Rico, G. R.		3576	Rymar, V. T.	1419
Ranganadhacharyulu, N.		683	Rinaudo, G.		1051		
Ranganathan, K.		2659	Ritchey, K. D.	369	370		
Ranganathan, T. B.		684	Rizal Econ. Dev. Comm.			Saari, E. E.	2544
Rangaswamy, J. R.		3268	Philippines		3577	Sabornido, E. G.	934
Ranghino, F.		3241	Ro, C. J.		371	Saburi, S.	2557
Rao, J. V.	367	1421	Ro, J. C.		160	Sadanandan, A. K.	1581
Rao, M. G.		527	Roberts, E. H.		2227	Sadanandan, N.	1053 1054
Rao, M. V.		1921	Robertson, C. A.		3708		1390- 1392
Rao, N. S.		578	Robinson, A.		3578		1411 1412
Rao, V. A.		3360	Robinson, J. B. D.		372	Sadayappun, S.	1545
Rao, V. J. M.		727	Robles, R. P.		373	Sado, T.	1676 3225
Rao, V. R.		1047	Rocha, D. S.		3723	Saeki, H.	2259
Rao, Y. P.	2438	2447	Roche, P.		1098	Saengthian, C.	1801
Rao, Y. S.	2699	2703	Rockefeller Foundation		89	Saha, G. N.	920 1055
Rashed, S.		3796	Rodent Res. Cent.			Sahassanont, P.	1429
Rath, G. C.	2324	2595	Philippines		3041	Sahay, M. N.	1525
Rathi, R. S.		1766	Rodrigo, D. M.		1575	Sahni, M. L.	57
Rathi, S. S.		1756	Rodrigues Filho, F. S. de O.		1457	Sahoo, B. C.	1393
Rathod, K. L.	1274	3812	Rodriguez, G. R.	1576	3707	Sahoo, G. P.	2342
Rathore, V. S.		387	Rodriguez, R.		3321	Sahu, B. N.	1582
Ratsoontorn, P.		2934	Rodriguez Rivera, R.		2935	Sahu, G.	323
Ravi, P. C.		2303	Rodriguez S., H.		2602	Sahu, R.	1924
Ray, H. E.		3575	Rodriguez V., A. E.		2802	Sahu, S. K.	374
Ray, N.		863	Rodrin, L. L.		304	Saigo, S.	1679 1680
Raychaudhuri, S. P.	2336	2349	Roesdi, M.	2062	2161	Saini, S. S.	692 693
Razoharinoro-			Rojas W., C.		1577		726 1222
Randriamboavonjy		88	Romero, C.		1915		1292 1719
Reddi, M. V.		711	Rosas I., R. S.		1578	Salo, K.	694

Saisoong, C.	1496	Sano, S.	421	Savchuk, V. P.	1651
Saitama Agr. Exp. Stn.	92	Sano, T.	861	Sawada, S.	712 713
Saito, F.	2162	Santa, H.	2941		1022
Saito, H.	1925	Santhoy, O.	3120	Sawaki, T.	2280
Saito, K.	93 754	Santos, C. L. G.	3486 3581	Sawannathong, E.	2209
	2140 3326		3582	Sawasdee, P.	1495 1801
	3356	Santos Mendes, F. dos	1293 3710		1802
Saito, M.	2210 2273	Santra, S.	2573	Sawhney, S. K.	204 385
	2540 2823	Sao Paolo (State). Inst.		Saxena, S. C.	3124
	2824	Econ. Agr.	3833	Schacht, S.	3583
Saito, S.	375 695	Saplala, P. E. L.	3436	Schafer, P.	1585
	1071 1080	Saradamma, K.	3121 3122	Schall, E. D.	2228
	1747 1813	Sarala, A. K.	700	Scheibelreiter, G.	2945
	1950 2063	Saran, S.	117	Schelstraete, M.	3175 3298
Saito, Y.	2607 2613	Sarangamath, P. A.	1549	Scheltama, W.	1058 1803
Sajjan, S. S.	2686 2936	Sarapol, C.	3369	Scherer, C. H.	1059 1060
Sajo, Z.	546	Saravanabhavanandam, M.	2721		1586 1587
Saka, H.	376	Sarawak. Dept. Agr.	3816	Schilling, P. E.	629 1559
Sakai, H.	2380 2395	Sarawak. Dept. Agr. Res.			1562 1588
	3001 3257	Br.	94		1589 1591
Sakai, K.	1394	Sardak, N. G.	1986	Schluter, M.	3712 3713
Sakai, M.	1395 3709	Sardana, M. G.	57 2953	Schluter, M. G. G.	3714- 3717
Sakai, T.	1728 2166	Sardido, M. L.	3711	Scholten, J. J.	1061 1062
Sakai, Y.	2608	Saringkaphibul, C.	2829	Schooley, D. A.	2930
Sakakibara, T.	2230	Sarkar, K. K.	379	Schroeder, H. W.	3072- 3074
Sakamoto, J.	1338	Sarpe, N.	1926	Schroeder, M.	2228
Sakanoue, Y.	1014	Sarpeshkar, M.	2113	Schulz S., E.	168
Sakata, S.	3248	Sarutanontana, S.	1086 1087	Schutz, H. G.	3294 3301
Sakharov, E. V.	3179	Sarwar, M.	1584	Scott, J. E.	481 796
Sakimura, M.	2895	Sasaba, T.	2342 2943		797
Sakiura, S.	3424	Sasaki, C.	2153	Searle, P. G. E.	1345 1408
Saksena, M. P.	57	Sasaki, I.	2164		1544 1579
Sakuma, H.	3003	Sasaki, N.	202 2066		1580
Salahuddin, A. B. M.	377 378	Sasaki, S.	1251 2065	Seckin, H.	3062
Salcedo, E. I.	3321	Sasaki, T.	701 702	Sedberry, J. E.	1540
Saleh, K. M.	2352 2918		907 1234		1555- 1562
	2937 2939		1341 2066		1564 1565
	2554		2274 2527		1588- 1592
Sam Raj, J.	2352 2353	Sasaki, Y.	2164 3090	Seet, C. P.	3370
Sama, S.	2770 2918	Sasidhar, V. K.	1411 1412	Seetanun, W.	1295 1617
	2937- 2939	Sasidharan Pillai, K.	3122	Seetharaman, R.	531 649
Samalo, A. P.	2917	Sasiprapa, V.	1309		703 714
Samantaray, R. N.	955	Sasser, J. N.	2275	Seetisarn, M.	1396
Sambamurty, A. V. S. S.	696	Sastri, M. V. S.	703	Seirayosakol, A.	1063 1064
Sambasiva Rao, C.	1290	Satake, H.	1491	Seki, K.	999 1234
Samoka, J. M. R.	1522	Satake, T.	150 704		1927 2211
Samoto, S.	570 697		705	Seki, M.	2381 2609
	698 783	Saibal, H.	1857	Seki, S.	2640
	859	Sato, A.	2913	Sekiguchi, A.	1804
Sampath, S.	699 860	Sato, H.	300 672	Sekiguchi, F.	715
Samuel, J.	2064		708 874	Sekiguchi, S.	716
Samuel, J. C.	3007		1739 2944	Sekiguchi, W.	2819- 2821
Samuel, S. N.	3579	Sato, I.	3131 3186		2946 2947
Samy, J.	1583	Sato, K.	380- 383	Sekita, H.	3271 3272
Sanchez, F. F.	3043		409 707	Sekiyama, F.	386 717
Sanchez, P. A.	1059		708 1085	Sekizawa, N.	1065
Sanchez, P. C.	3300		1795 1810	Sektheera, R.	1397
Sanchez Neira, P.	198 199		1814 1815	Selvaraj, K. V.	2049
	1291		1941 2126	Semerova, E. I.	1091
Sanderatne, N.	3425		3123	Sen, J. L.	1296
Sandhu, J. S.	1292	Sato, M.	1990 2761	Sen, P. K.	1124
Sandler, Zh. Ya.	3352	Sato, R.	874	Sen, S.	862
Sang, J. B.	1057	Sato, S.	709 710	Sen, S. P.	187
Sangtien, C.	1615 1616		1910 2151	Seneviratne, S. N. de S.	2610
Sankar, S. K.	3345		2239 2344	Sengupta, S.	3044
Sankara Reddi, G. H.	1771	Sato, T.	384 1620	Seo, T.	908 912
Sankaran, R.	3297		1751 2452	Serajul Islam, A. F. M.	3444
Sankhayan, P. L.	1400 3580		3330	Seriki, T. A. B.	61
Sanne Gowda, S.	2308	Satomi, H.	2356	Serpa, W. S.	1073
Sano, F.	1816 1817	Satyanarayanaiah, K.	711	Serry, A. A.	1447

Seseelan, P.	1139	Shimada, H.	1338	2613	Sikder, H. P.	2230
Seshadri, A. R.	2707			2614	Silva, A. A. da	1072
Seshagiri Rao, Y.	2705	Shimada, K.		2363	Silva, B. M. da	738
Seshavatharam, V.	1923	Shimada, Y.		1069	Silva, E. C. da	1523 1524
Setabutara, C.	441 1297	Shimazu, H.	2835	2951	Silva, H.	865
Sethi, B. C.	401	Shimizu, H.	2166	3355	Silva, J. B. da	1073
Sethi, G. R.	3125	Shimizu, K.		3349	Silva, J. L. e	3723
Severinenko, S. M.	3352	Shimizu, M.		95 138	Silva, L. V. da	1601
Sevilla-Santos, P.	2307			139 141	Silva, N. B. da	487 851
Shafi, M.	2067			151 152	Silva, P. D. da	866 1931
Shahi, B. B.	718			414		1932 2231
Shahjahan, M.	3126	Shimizu, S.		2614		3722
Shakuntalaraju	1309 1887	Shimoda, T.	2312	2911	Silva, P. R. F. da	808
Shama Rao, H. K.	719- 725	Shimokawa, H.	1012	1070	Silva, S. L. B. F. da	3723
Shand, R. T.	3584			1536	Silva S., H.	867 1752
Shankara Reddi, G. H.	1593 1649	Shimomatsu, A.		2352		1753
Shankare Gowda, B. T.	633	Shimomura, T.		1469	Silva Teixeira, A. J. da	2639
Shanker, H.	931	Shimonagane, K.	1373	1394	Silveira, B. M. da	811 2476
Shanmugham, S. N.	2350 2351	Shimono, Y.		2243	Silveira, E. P.	96 99
Shaposhnikov, D. G.	1398 2058	Shimotsubo, K.	388	389		738 811
Sharma, A. N.	1455			1929		3588
Sharma, B. D.	2465	Shimozima, S.		177	Simonovich, A. I.	2269
Sharma, B. M.	940	Shimura, O.		560	Simpas, R. S.	3589
Sharma, C. P.	2316	Shin, Y. H.		1031	Sinarhadi	3156
Sharma, D.	387 726	Shin, Y. M.		3045	Sindhu, J. S.	739
	945	Shinbashi, N.	600	902	Singh, A.	192 1301
	1066			729		1379 1602
Sharma, D. L.	1067 1068	Shinbo, S.		3719		1933 2184
Sharma, D. N.	175 484	Shinbori, F.		3201		2232
Sharma, P. D.	1066	Shinde, B. N.		1549	Singh, A. K.	1349
Sharma, P. N.	863	Shinohara, K.	1141	1621	Singh, B.	1513
Sharma, S. C.	727 817	Shinjyo, C.	569	730	Singh, B. D.	391
	864			731	Singh, B. K.	2045
Sharma, S. K.	3452	Shin-Norin Shu Co., Ltd.	2167	2168	Singh, C. B.	740
Sharma, S. N.	1594	Shinoda, H.	732	733	Singh, D.	1074 2953
Sharpless, R. G.	442	Shinohara, I.		966	Singh, G.	1048 2171
Shastry, S. V. S.	817 864	Shinohara, M.	2497-	2499		2172
	1298 1299	Shinozuka, S.		2951	Singh, H.	2045
	1595 2948	Sh'ojima, M.	2020	2051	Singh, I.	3817
Shaw, D. L.	3199	Shipp, J.		1563	Singh, J.	2686
Shaw, R. d'A.	3156	Shiraga, T.		2393	Singh, K. N.	1682
Shcherbakov, V. G.	257 3200	Shirahata, H.	194	1809	Singh, M.	945 1508
	3269	Shirakura, J.		2039		1603 1737
	1399	Shirasaki, T.	1783	2169		1998
Shelton, H. M.	586			3720	Singh, M. B.	394
Shen, T. H.	3585 586	Shirenko, B. K.	1501	1597	Singh, N. P.	3453
Shenk, M.	2251	Shiroto, T.	1650	1686	Singh, O. P.	1513
Shetty, K. S.	1631	Shivanna, C. S.		3202	Singh, P.	392 393
Sheu, C. T.	3283	Shizuoka Agr. Exp. Sta.	2170	2276	Singh, P. V.	394
Shibamoto, T.	2365 2846			2277	Singh, R.	1737 3784
	2949	Shmidt, A. A.		3352	Singh, R. K.	1603
Shibata, K.	244 2503	Shoji, S.	1071	1598	Singh, R. N.	1737
	2611 3230	Shoukry, A.		1461	Singh, R. P.	1384
Shibata, S.	1990	Shozaki, T.		1681	Singh, R. S.	1120
Shibata, Y.	3364	Shresth, R. B.		1888	Singh, S. P.	1302 1754
Shibuya, N.	3127	Shrivastava, P. S.		2440	Singh, S. R.	2954
Shichinohe, C.	2165	Shukla, G. C.	1300	1599	Singh, T. A.	1455
Shida, T.	2612	Shukla, V. P.	1274	3721	Singh, T. K. S.	2615
Shiga, T.	3341	Shutova, E. A.		390	Singh, U. B.	1766
Shiga, Y.	340 1030	Siamwalla, A.		3495	Singh, V.	1302 1520
Shigematsu, Y.	2229 2382	Sicaeros R., D. G.		1600		1755
Shigenaga, S.	1683 1684	Sicat, G. P.		3587	Singh, V. P.	770
Shigenaga, T.	2363	Siddiq, E. A.		734- 736	Singh, Y. P.	1756 2070
Shigeta, K.	1069			764 769	Sinha, A. K.	2616
Shikanai, T.	1805			770	Sinha, M. K.	528 714
Shikata, E.	2361 2362	Sidhu, D. S.	1400	3580	Sinha, T. S.	395 868
	2383	Sier, H. K.		1404	Sinitsyna, N. I.	396
Shilovskii, V. N.	728	Sierra, J. N.	1884	1885	Sircar, S. M.	208 209
Shim, J. W.	240 2950			1930		397
Shim, Y. K.	3718	Sigurbjornsson, B.		737	Sirawardena, T. G. D.	1855
Shimada, A.	1806 1807					

Sirohi, B.S.	3194	Sousa, A. F. de	3570	Straatmans, W.	3584
Sisodia, J.S.	3590	Sousa, S.	2635	Strekozov, B. P.	1937
Sisombot, L.	1857	South Chad Irrig. Pilot Proj.	97 98	Su, H.	180
Sithanantham, S.	1024 2933		1304 1305	Suartini	2959 2970
Sitisara, A.	3724	Southeast Asian Reg. Cent. Grad. Stud. Res. Agr.		Suayan, Z. A.	1034
Sittichai, T.	2617 3128	Souza, D. M.	99 1303	Subba Rao, B. R.	2971
Sivanappan, R. K.	2071			Subba Rao, D. V.	2972
Sivanesan, A.	2618			Subba Rao, G.	727
Sivappah, A. N.	1581	Souza, P. R.	1388 1757	Subbarama Raju, K.	3730
Sivasubramaniam, S.	637 741		1758 1918	Subbliah, B. V.	344 1612
Sivasubramaniam, S.	869	Spencer, D. S. C.	3592 3727	Subira, E.	1940
Siwach, M. S.	1756			Subrahmanyan, R.	1076
Siwi, S.	2970	Spire, D.		Subramaniam, K. S.	1350
Skeels, B. T.	3223	Spiro, D.		Subramaniam, T. R.	2283 2721
Slade, R. H.	3725	Spiro, D. A.	1360 1786		2887 3005
Small, L. E.	2072			Subramanian, A.	1760 2732
Smetanin, A. P.	742 830	Sree Ramulu, K.	744 745		2733
Smith, D. P.	3591	Sree Rangasamy, S. R.	636 744	Subramanian, C. L.	2623
Smith, J. E.	1303		745 768	Subramanyam, T. K.	270
Smith, K. M.	2384	Sreedharan, A.	2620 2821	Subramanyan, V.	3208
Smith, L. D.	3745	Sreedharan, C.		Subramoney, H. S.	1613
Smith, R. F.	2244	Sreedharan, P. N.		Suda, K.	1083
Smith, R. J.	1858	Sreerama Murthy, V.		Suda, M.	103
	1934- 1936	Sreeramulu, U. S.		Sudo, S.	1808
	1952	Sri Lanka. Agr. Res. Stn. Div.	100 101	Sudo, T.	695
Sneed, K. E.	2745	Sri Lanka Dept. Agr. Res. Div.		Sudto, P.	3047 3048
Snehi Dwivedi, R.	398		1307	Suematsu, A.	2624
Soares, A. L. A.	1075	Sri Lanka. Laws, Statutes, etc.		Suenaga, H.	2279
Soave, J.	2500	Sri Lanka. Univ. Fac. Agr.		Sugahara, N.	2808
Sodah-Ayernor, G.	3306	Sridhar, R.	2521 2622	Sugano, N.	3367
Soedarmo	3046	Sridodo		Sugawara, K.	1797
Soedarsono	2309	Sriharan, S.		Sugawara, M.	2063
Soehardjan, M.	2555- 2958			Sugawara, N.	1761
	2961	Srinath, D.	2366- 2968	Suge, H.	402- 404
Soejima, M.	272 1820	Srinivas, T.	3109 3115	Sugimoto, B.	1723 1766
Soejitno, J.	2867	Srinivasalu, N.	3204 3296	Sugimoto, K.	1309
	2959- 2962	Srinivasan, K. V.	637 2661	Sugimoto, S.	1311 2126
Soejono	399 400	Srinivasulu, K.		Sugimoto, T.	2900 2973
Soekarna, D.	2866 2955	Srisomboon, S.	747 870	Sugino, T.	2280
	2963	Sriswasdilek, J.	1605- 1609	Sugisaki, H.	2240
Soemantri	2309	Srivastava, D. N.		Sugiyama, M.	2372
Soentoro	3399	Srivastava, D. P.	2430 2447	Sugiyama, K.	2203
Soeratman	3726	Srivastava, G. P.	649 714	Sugiyama, R.	2492
Soga, M.	1870 1955	Srivastava, H. K.		Suh, H. S.	547 555
Sogawa, K.	2964	Srivastava, K. M.		Suh, H. Y.	1734
Sohonie, K.	3281	Srivastava, M. P.		Suhardjo, H.	1077
Solunov, G. A.	1445	Srivastava, O. P.		Sujitno, J. S. A.	193
Sokolov, M. S.	1937	Staiger, L. E.		Sukit, V.	2696 2706
Sokolov, P. M.	743	Stangel, P. J.		Suksuchok, J.	3369
Soler, A.	172	Stansel, J. W.		Sullmenko, O. F.	3368
Som, J.	191	Stanton, J. R.		Sumangil, J. P.	3049 3051
Som, M. N. M.	3366	Staridolski, G.		Sumartono, T.	1904
Soma, T.	1805	Starling B., S.		Sumita, K.	2585 2974
Son, E. R.	1604	Stas', S. R.		Sun, C. S.	772
Sone, T.	3295	Stavis, B.	102 3594	Sun, T. H.	3411
Song, H. S.	617 2546	Steele, P. J. B.		Sunada, K.	413
	2547	Stelman, C. D.		Sundara Swamy, B.	3446
Song, Y. H.	2739 2740	Stefanski, H.		Sung, T. H.	3050
	2965	Steinmetz, S.	1138 1610	Supaad, M. A.	2774
Songmuang, P.	1480			Supsvita, P.	2313
Soni, P. N.	1401	Stelly, R.			2667- 2671
Sonnler, E. A.	1938 1939	Stepanenko, N. G.		Suphadtanaphongs, E.	2406 2407
	2233 2234	Stepura, V. I.		Supharnkasen, P.	2976
Sookhakich, S.	1497	Stermer, R. A.	3216 3231	Surachman, E.	2956
Soomro, A. M.	647	Stier, H.		Surin, A.	2354 2370
Sorenson, J. W.	3114	Stipe, D. R.	3205- 3207		2385- 2387
Sorenson, O.	3203	Stolypin, E. I.		Surin, P.	2354
Soria, F.	2769	Stone, L. F.			2385- 2387
Soundarapandian, G.	1953			Suriya Rao, A. V.	913
				Suriyajuntratou, W.	3369

Suryanarayanan, S.	2575	2576	Takahashi, I.		2979	Takemoto, H.		3733
Susawa, K.		3148	Takahashi, J.		1941	Takemura, S.		1947
Sutandar, A.		2954	Takahashi, K.	194	409	Takemura, T.	290	874
Suthdhaní, S.	1614-	1617			1809	Takenaga, T.	2173	2281
Suwa, K.		3146	Takahashi, M.	600-	602			2282
Suwanai, M.		3123		653	701	Takenaka, H.	1810	1814
Suwanwaong, S.	68	1617		709	710			1815
Suvorakul, P.	2562	2563		713	729	Takeo, S.		3209
Suzuki, G.		1913		749-	751	Takeoka, Y.	152	414
Suzuki, H.	2625-	2631	Takahashi, M. E.		753	Takeshita, Y.		3373
Suzuki, K.	1598	1679	Takahashi, N.	227	230	Taketani, K.		1536
	1680	2453		336	410	Takeya, M.	841	842
	2498	2607		411	752		1763	1948
		2893			839	Takezono, S.		3349
Suzuki, M.		1078	Takahashi, R.		1065	Takigawa, H.		2174
Suzuki, N.	2364	3786	Takahashi, S.	430	1294	Takihiro, T.	2874	2985
Suzuki, S.	405	774		1688	1941			2986
	1676	1941		1945	2020	Takita, K.		1949
		3225		2051	2508	Takkar, P. N.		398
Suzuki, T.	406	707		2611	2632	Talatala, R. L.	1890	1891
	708	1367			2980	Tall, M.		3787
	2634	2809	Takahashi, T.	1735	3067	Talwar, S. N.		756
		2914		3098	3257	Tamamura, M.		2076
Swain, D. J.		1942	Takahashi, Y.		2141	Tamari, K.	321	434
Swaminathan, K. R.		2071	Takahi, Y.	2259	2633			2655
Swaminathan, M.	3279	3280	Takai, A.		2931	Tamura, M.	1536	2637
Swaminathan, M. S.	736	748	Takai, T.		1099	Tamura, S.	1747	1950
Swaminathan, R.		636	Takai, Y.	1100	1144	Tan, C. E.		1404
Swanson, B. E.		104	Takajo, T.	1650	1687	Tan, F. S.		107
Swarup, G.		2707	Takaki, K.		1364	Tan, K. H.		1084
Swarup, R.		1755	Takamatsu, C.		3271	Tanabe, H.	3249	3271
Swenson, K. G.		2977	Takami, S.		847			3272
Swink, F. N.		3051	Takami, T.		1668	Tanabe, K.	838	2077
Syed Ali bin Syed Abu			Takamizawa, K.		2818	Tanaka, A.		406
Bakar		3370	Takano, F.		1231			415-
Szilvassy, L.		1943	Takano, H.		3129			417
			Takano, M.		2932			433
			Takano, N.		3371			1035
			Takano, S.		2634	Tanaka, F.		2077
Tabei, H.	2428	2454	Takano, T.		2066	Tanaka, G.	905	3374
Tabuchi, K.		816	Takano, Y.		3134	Tanaka, H.	2175	3000
Tabuchi, M.		1667	Takasaki, T.	2395	2456			1746
Tabuchi, S.		818			2457			2538
Tachibana, Y.		2223			1082	Tanaka, K.	418	2987
Tachikawa, Y.	281	2069	Takase, I.		1083		458	419
Tachiya, T.	1079	1630	Takato, H.		1083			2026
	2023	2076	Takaya, Y.	914	1312	Tanaka, M.	108	2988
		1797		2075	3732			1622
Tada, A.		1310	Takayama, T.		2983	Tanaka, N.		3210
Tada, H.		1430	Takayanagi, K.		3341	Tanaka, S.	427	420
Tada, S.		417	Takayanagi, S.		1864		716	715
Tada, Y.		417	Takayasu, I.		3375		842	841
Tadano, T.	407	417	Takeda, C.		3372			1811
Tagami, Y.		2455	Takeda, K.		749	Tanaka, T.	1512	3093
Taguchi, K.		1618		753-	755			2282
Taguchi, R.		2492		1620	2984	Tanaka, Y.	177	2513
Tagumpay, O.	492	493	Takeda, M.	3249	3271	Tanaka, Y.		2638
Tahir, W. M.		105			3272	Taneda, S.		1764
Tai, H. R.		3731			2761	Tang, W. T.		181
Tai, Y. C.		1402	Takeda, N.		1941	Tangcham, B.	925	1011
Taira, H.	408	1619	Takeda, S.	1294	2051		1086	1087
		3290		2020	2635	Tani, T.		3132
Taiwan Agr. Res. Inst.		103		2635	3383	Tanida, K.		3270
Takabayashi, M.		1844	Takeda, T.	203	412	Taniguchi, S.	821	871
Takadate, M.		874		915	1727			2894
Takagi, K.		1311		1728	1762	Tani, A.		2458
Takagi, S.		2378		3067	3063	Taniyama, T.	203	421
Takagi, T.		1886	Takefuji, K.	1435	1321	Tanji, K. K.		1951
Takagi, Y.		3270	Takehara, M.		2388	Tanoue, S.		2363
Takahashi, A.		2280	Takeichi, Y.		2636	Tanzi, J. W.		3595
Takahashi, E.		1081	Takékawa, M.		413	Taran, I. N.		2078
Takahashi, H.		1403	Takematsu, T.		1945	Tarasov, M. N.		2035

Tarasova, L.		872	Tokairin, S.		1813	Tsuboi, A.	2779-	2781
Taryo Adiwiganda, Y.		1623	Toki, A.		2993			2845
Tashiro, T.	130	153	Tokita, H.	1541	1310		2995-	3000
		2326	Tokuhiro, M.		425	Tsubokawa, F.		1430
Tasumi, J.		422	Tokimasu, S.		760	Tsubomatsu, K.		3375
Tatara, A.		785	Tokunaga, Y.	1626	3239	Tsuchiya, K.	3429	3455
Tatekawa, H.	1079	1050	Tokuyasu, M.		1469			3738
Tatenai, T.		1663	Toledo, A. C. D. de		2642	Tsuchiyama, K.	1012	1070
Tawakol, M. F.		1461	Tolentino, D. O.	3051	3053			1596
Taweteekul, A.		1037	Toma, S.		569	Tsuda, K.	969	970
Taylor, K. D.		3052	Tomar, S. P.		1766		1092	1394
Tee Thean Soo		2079	Tomar, V. S.		1145	Tsuji, H.		1099
Teixeira, R. S.		2639	Tomiku, T.	2344	2624	Tsuji, K.		2077
Teixeira, T. D.		3723	Tomita, M.	1812	2081	Tsujii, H.	3598	3790
Tej Kumar, S.		2989	Tomita, T.	3273	3274	Tsukamoto, Y.	1679	1680
Tejima, S.		1149			3831	Tsuneaki, M.		3739
Tempelman, A.		3191	Tomiyama, S.		3262	Tsunoda, K.	874	903
Templeton, G. E.		1952	Tomizawa, C.		2284	Tsunoda, S.		280
Teng, Y. C.		757	Tomobe, H.		994	Tsunoda, T.		1746
Teoh Tiaw Seang		2080	Tomosugi, T.		3732	Tsuru, R.		2141
Terada, A.	3326	3356	Tongaranta, Q.		3302	Tsutsui, K.		2988
Teranaka, K.		1765	Tongavee, K.	3054	3055	Tsutsumi, M.		430
Terao, H.	3169	3170	Toquero, Z. F.		3736	Tsutsumi, S.		1810
Terasawa, M.	137	2613	Torii, K.		224		1814-	1816
Terman, G. L.		423	Torii, T.		2994	Tsuzuki, E.		1314
Terres, A. L.		738	Toriyama, K.		476	Tubpun, S.		3791
Terres, A. L. S.	806	2475	Toro S. E.		1313	Tullakova, Z. F.		1315
Thai-Cong-Tung		1275	Torres, E. B.		3743	Tulin, A. S.	431	1628
Thai Thi Ut		3910	Torres, R. D.	2032	3677	Tung, I. J.		781
Thailand. Dept. Agr.			Toryu, H.		1899	Tur, N. S.		1419
Rice Div.		758	Tosaya, M.		2492	Turk, K. L.		112
Thailand. Dept. Agr.			Tosh, G. C.	1552	3679	Turner, J. V.		185
Soil Fert. Sect.		1624	Toshimitsu, K.		156	Turuta, T.		2514
Thailand. Natl. Stat. Off.		3334	Tosun'horon, S.		3737	Tverdokhlebl, M. I.		2088
Thakur, D. S.		3788	Totteri Agr. Exp. Stn.		110	Tyagi, B. N.	3430	3599
Thakur, R.		759	Tourte, R.		111	Tyagi, R. C.		875
Thamvatanakul, N.	676	679	Toyama, K.		2808	Tzen, M. T.		621
Than, H.		2390	Toyoda, M.	263	426			
Thangaraj, M.		1953			427			
Thawornwong, N.		424	Toyokawa, K.		3375	U San Kho	1316	1317
Theetharappan, T. S.		1350	Toyoyama, K.	1713	1761	U Tin U		1629
Theppachonshewin, P.		3596	Trachoo, P.		674	Uchibe, T.		2176
Thet Zin, U.		3232	Trahan, G. B.	2763	2764	Uchida, N.		3001
Thiagarajan, C. P.		1954	Trahan, G. J.	630	832	Uchida, S.	1065	3357
Thirumurthi, S.		2283			1405	Uchida, T.		1851
Thodey, A. R.	1398	1397	Traore, M. F.		1627	Uchijima, T.		916
Thomas, B.		2351	Traylor, H. D.	3166	3773	Uchijima, Z.		432
Thomas, E. T.		391	Treisman, J. M.		873	Uchiyamada, H.		859
Thomas, M. J.		2991	Trenbath, B. R.		1405	Udagawa, T.		432
Thompson, L.		1625	Triana, A.		2223	Ueda, M.	1893	1894
Thompson (J. Walter)			Triharso	2309	2390	Ueda, S.		2645
Co., Philippines		3734	Trinidad, P.		3024	Uehara, H.		2237
Thu Ha Nguyen		2641	Tripathi, R. D.		3259	Ueji, M.		3275
Thulasidas, G.		2235	Tripathi, R. S.		761	Uejima, T.	2285	2286
Thurston, H. D.		2459	Troitskaya, E. Ya.		3179			2466
Tikhonova, L.		3076	Trollentier, G.		1090	Ueki, H.		1093
Tiller, K. G.		1039	Troughton, J. H.		428	Ueki, K.	1683	1684
Timmer, C. P.	3156	3597	Tsai, C. H.		182		1870	1955
	3735	3789	Tsai, H. S.		621			3090
Tin Win, U.		2460	Tsai, K. S.		502	Jematsu, T.		2437
Tinarelli, A.	109	2236	Tsai, M. M.		2672	Uemoto, S.		1093
Ting, W. P.		2389	Tsai, W. H.	2643	2644	Uemura, Y.	1208	1318
Tiravatana, C.		2777	Tsai, Y. C.		3283			1767
Tirol, L. C.		1387	Tsao, Y. S.		1146	Ueno, M.		1813
Tishchenko, I. V.		273	Tseng, C. H.		3454	Uesugi, Y.	2284	2523
Tobita, I.		1092	Tseng, S. H.		1697		2646-	2648
Toda, S.		3564	Tseng, S. T.		799	Ueta, H.	433	1085
Todoroki, A.		859	Tseng, S. Y.		429			1094
Togashi, I.		2992	Tsitovich, I. K.		1091	Uichanco, N. M.	3308	3309
Tokairin, H.	2513	2708						3319

Uichanco, V.A.	3211	Varma, A.	2816	Vreden, G. van	2747	2867
Ulmann, E.	3002	Varma, S.C.	1632		2959	2961
Umeda, K.	3129	Vartapetyan, B.B.	436		2962	2970
Umeda, S.	2174	Vaughn, J.G.	154	Vungsilabutr, P.	2776-	2778
Umehara, Y.	2649- 2654	VeeraraJ Urs, Y.S.	1770			2856
		Veerraju, V.	2310 2656	Vyas, V.S.		3807
Umeki, Y.	1132	Vega, C.R.	3004			
Umemura, H.	1783	Vega, M.R.	1878 1916	Wada, E.		2611
Umetsu, N.	321 434		1957- 1970	Wada, H.	1099-	1101
	2655					1144
U.N. Econ. Comm.		Velasquez, S.	592 766	Wada, J.		903
Europe	2177	Velayutham, M.	1042	Wada, K.	409	1775
U.N. Res. Inst. Soc.		Velly, J.	1099 1633	Wada, M.		1102
Dev.	3431 3432	Velusamy, R.	3005	Wada, N.		1804
U.S. Bur. Reclam.	3433	Veluswamy, R.	3006	Wada, T.	1028	1107
U.S. Agency Int. Dev.	113	Venkata Rao, A.	2657	Wada, Y.		2886
U.S. Congress. House.		Venkata Rao, G.	2658	Wade, N.	119	120
Comm. For. Aff.	114	Venkatachalam, S.	2049	Wadhi, S.R.		3011
U.S. Dept. Agr.	3600	Venkataraman, A.	944 3007	Wagner, M.M.		3737
U.S. Econ. Res. Serv.	3601- 3603	Venkataramu, M.N.	1711	Wakamatsu, M.		1677
U.S. Libr. Congress	115	Venkatesan, G.	1545	Wakamatsu, T.	2650	2814
U.S. Natl. Fert. Dev.		Venkateswara Rao, V.	1771		2819	2821
Cent.	435 1630	Venkateswarlu, J.	928			3012
Univ. Philippines		Venkateswarlu, M.S.	1649	Wakayama, T.		3340
Los Baños	2922	Venugopal, S.	3435	Wakhloo, S.		344
Univ. Philippines		Vereshchagin, G.A.	787	Walcott, J.		1380
Los Baños. Coll. Agr.	116	Vergara, B.S.	378	Walker, D.J.		3130
Univ. Philippines Los			437- 441	Walker, J.		2662
Baños. Dept. Agr. Econ.	3819	Vergara U., R.	878	Wallihan, E.F.	442	443
Univ. Sains Malays.	3683	Verma, A.S.	1470	Wallin, D.E.		1326
Uno, Y.	1956	Verma, B.R.	3011	Wang, C.C.		772
Unyavong, N.	3820	Verma, K.	2184	Wang, H.		121
Upadhya, G.S.	2083- 2085	Verma, M.L.	762	Wang, I.T.		3608
Upadhyay, A.R.	762	Vermu, M.M.	2184	Wang, S.H.		3741
Upadhyay, B.P.	1888	Verma, U.N.	117	Wang, W.F.		1327
Urabe, Y.	3003	Vianen, J.G.	3305 3606	Waranimman, P.		445
Urushihara, E.	1095	Vianca e Silva, M.	155	Ward, R.C.		1638
Usami, T.	1991	Vichev, V.	2491	Warden, J.		444
Utsunomiya, H.	1774 3276	Vichitrananda, S.	2405	Warren, G.F.		2228
Uttar Pradesh Agr.			2408- 2410	Washio, O.		289
Univ.	3456 3740	Vidhyasekaran, P.	2659- 2661	Wassermann, P.		1089
		Vietnam. Agron. Serv.	118 1322	Watabe, T.	156	446
		Vietnam. Dir. Agr. Econ.	879			880
Vadivelu, S.	1631	Vieweg, B.	1323 1324	Watanabe, B.	1373	1394
Vaidehi, B.K.	1096		1634 1772			2421
Vaidyanath, K.	763	Vijayakumar, M.	1971	Watanabe, G.		2238
Vairavan, S.	637 764	Vijayan, P.K.	1954	Watanabe, I.		1103
Valencia, L.C.	486	Vijendra Das, L.D.	3288	Watanabe, K.	242	1071
Valenza, J.	3307		768		1813	2453
Vallee, G.	1319	Vilawan, S.	769 770			2893
Vallejo, J.	765 857	Villamor, I.E.	2178	Watanabe, M.	1783	2239
	1456 1709	Villareal, E.L.	491	Watanabe, S.	773	1071
Valles, E.	2287	Villate, H.	3024			1813
Vallet Diego, E.	1768	Villaviza, Q.N.	3457	Watanabe, T.	421	774
Vamadevan, V.K.	913 1147	Viraktamath, C.A.	3008			2288
	1148	Viraktamath, C.S.	3376 3377	Watanabe, Y.	730	775
Van, T.K.	917 2086	Virmani, S.S.	771		1972	2414
Van de Goor, G.A.W.	2087	Visperas, R.M.	439			2663
Van Diest, A.	424	Visweswariah, K.	3009	Waterhouse, G.M.		2664
Van Dyke, J.M.	1407	Vitkov, V.	1670	Wathanakul, L.		2354
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Annual report [Acad. Sin. Inst. Bot.] July 1973 to June 1974	1
Annual report [Agr. Credit Admin. Philipp.] 1972-73	9617
Annual report [Aomori Agr. Exp. Stn.] 1973	5
Annual report [Cent. Agr. Exp. Stn. Japan] 1972	15
Annual report [Cent. Food Technol. Res. Inst.] 1972	16
Annual report [Cent. Res. Inst. Agr. Indones.] 1971	17
Annual report [Fukuoka Agr. Exp. Stn.] 1973	32
Annual report [Hyogo Agr. Exp. Stn.] 1973	40
Annual report [I. R. A. T. Haute-Volta] 1973: Improvement of rice culture	44
Annual report [I. R. R. I.] for 1973	47
Annual report [Ibaraki Agr. Exp. Stn.] 1973	41
Annual report [Inst. Agr. Mach. Japan] 1973	2119
Annual report [Inst. Rech. Agron. Trop. Cult. Vivr.] 1972	43
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Annual report [Malawi. Dept. Agr.] for the year 1970/71	64
Annual report [Maros Res. Inst. Agr. Indones.] 1972/1973	65
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Annual report [Pant (G. B.) Univ. Agr. Technol. Exp. Stn.] 1971-72	79
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