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A BIBLIOGRAPHY OF RICE LITERATURE TRANSLATIONS AVAILABLE IN THE INTERNATIONAL RICE RESEARCH INSTITUTE LIBRARY AND DOCUMENTATION CENTER

Fe Malagayo-Alluri

This bibliography was submitted to the Institute of Library Science University of the Philippines System in partial fulfillment of the requirements for the degree of Master of Library Science

The Library and Documentation Center
The International Rice Research Institute
P. O. Box 933
Manila, Philippines

March 1976

ABSTRACT

This bibliography is a compilation of all the rice literature translations available in the International Rice Research Institute (IRRI) Library and Documentation Center as of October 1975. It is arranged alphabetically by author. In the case of entries with no authors, they are entered under the title. Each entry is provided with an item number, from 1-914. This is the number referred to in the keyword index to facilitate the location of specific items.

Each translation entry includes the following information: author and title of article, title of periodical or book where it was taken, volume number, issue number if available, pagination and the date of publication. The name or names of translators are also included in all the entries whenever this information is present in the translations examined. Also added in the right hand corner of every entry is the number assigned by IRRI Library.

A keyword index is provided at the end of the bibliography.

TABLE OF CONTENTS

INTRODUCTION

Rice is grown in several tropical and subtropical regions of the world but most of it is consumed in Asia. Yet in the tropics of this region rice yields are consistently among the lowest in the world. Such facts as these influenced the Ford and Rockefeller Foundations to establish jointly, in cooperation with the Philippine government, the International Rice Research Institute (IRRI) as the world's center for the study and improvement of rice. One of the Institute's objectives is to operate an information center and library which will give interested scientists and scholars everywhere access to a collection of the world's literature on rice.[1] In line with this objective, the International Rice Research Institute Library and Documentation Center publishes the International Bibliography of Rice Research, to make rice scientists the world over aware of the existence and availability of the rice literature collection. The bibliography is the most comprehensive record of the literature on rice. It includes research studies about cultivated rice, Oryza sativa, and other species of Oryza, which are found in journals and monographs. The basic volume covering the period 1951-1960 was published in 1963 and is kept up-to-date with annual supplements.

Statement of the Problem and Significance of the Study

Rice is the concern of people of many tongues as it is the concern of people in many regions. It was found out that there are at least

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[1]International Rice Research Institute, Articles of Incorporation and By-laws (Los Baños, Laguna:International Rice Research Institute, 1970), p.2.

twenty-three languages used in reporting scientific investigations on rice. A great percentage of these are in languages other than English, with Japanese taking the lead, followed by Spanish, Russian, French, Chinese, Korean, Italian, Portuguese and German (See Table I). In view of the language barriers it is rather difficult to understand the literature published in foreign languages. Thus, many are ignorant of a greater part of what is published. The consequent loss to human awareness of the progress in rice research is correspondingly great.

Some organizations have taken up the task of indexing, abstracting, and translating the literature from other languages into English. It is true that the existing abstracting journals are performing a useful role in this direction. However, despite the fact that most journals in foreign languages now include summaries and abstracts of articles in English, most scientists still want to read about the experimental methods and details of research work. Thus, the need for translations has become a pressing problem to information users.

English is, generally, the common language for communication among scientists. To rice researchers who do not understand the Japanese language into which a large number of papers are written, translating the articles into English is necessary. To meet this requirement, the International Rice Research Institute Library and Documentation Center established a branch in Tokyo. It is through this office that Japanese articles are channeled for translations.

TABLE 1

DISTRIBUTION OF RICE PUBLICATIONS AMONG VARIOUS LANGUAGES PUBLISHED DURING 1961-1970.[2]

Language	No. of papers	Percentage of all papers
English	5,658	42.6
Japanese	5,500	41.4
Spanish	487	3.7
Russian	275	2.1
French	258	1.9
Chinese	256	1.9
Korean	175	1.3
Italian	162	1.2
Portuguese	127	1.0
German	56	0.4
Others	323	2.5

Translations from other languages into English are being done through the Commonwealth Agricultural Bureaux of Soils, by special arrangement with the Joint Commission for Rural Reconstruction (JCRR) in Taiwan, and through the ADDIS Translations in California. Commercially-prepared translations are acquired from translation services abroad, if available. For urgent and simple requests, the services

[2]S. M. Lawani and T.E.B. Seriki, "Some Characteristics of the World Literature on Rice," International Rice Commission Newsletter, XXVIII (March 1974), 1.

of the Institute's scientists, scholars and trainees as well as faculty members of the Language Department of the University of the Philippines at Los Baños, are availed of.

In recent years, there is a large and growing proportion of the rice translations which have become available in the International Rice Research Institute Library. Although these rice literature translations have been listed in the International Bibliography of Rice Research Supplements since 1965, no attempt has been made to compile them into one handy volume. Since not all the articles on rice in foreign languages have been translated, it is rather difficult for the scientists to know whether a translation of a particular article is available or not. Secondly, even if a translation is available, it is tedious to locate it because of the lack of a comprehensive listing. To alleviate this problem, it is the purpose of this work to bring together in one compilation, the large number of rice literature translations available in the International Rice Research Institute Library.

Scope and Methodology

This bibliography includes all the translations on rice literature available in the International Rice Research Institute Library and Documentation Center as of October 1975. Some translations which are recorded in the Library's shelf list but could not be located in the collection are excluded in the listing.

A systematic search on the translations was undertaken by checking the shelf list of translations of the International Rice Research Institute Library. The entries were copied on 3" x 5" cards.

After copying all the entries, the bibliographic data of items were verified by checking the translations one by one and sometimes even the original articles.

Each translation entry includes the following information: author of article, title, title of periodical or book where it was taken, volume number, issue number if available pagination and the date of publication. The name or names of translators are also included in all the entries whenever this information is present in the translations examined. Also added in the right hand corner of every entry is the number assigned by International Rice Research Institute Library so that it would be easy to identify and locate the item whenever requested for.

A manually produced keyword index is provided in place of the conventional subject index. To prepare this index, the titles of all the entries in the 3" x 5" cards were carefully read and each keyword as it appeared in the title was checked with a red pencil. Those words which are considered significant were chosen; geographical names were included to identify the location.

The selection of keywords was followed by the typing of the keywords on 3" x 5" cards. The keyword was typed as the first element on the left-hand side of the card. The words of the title follow each keyword in their normal sequence. The end of the title is indicated by a slash mark, and those words which may have preceded the keyword follow until a complete line is filled.

Entries in the keyword index are arranged alphabetically, except for entries where the keywords appear as the last word in the title. (This is indicated by a slash mark.) These entries with keywords

appearing as the last word are arranged after all other entries of the same keyword not followed by a slash mark.

Abbreviations of titles of periodicals follow those listed in the 1974 Biosciences Information Service of Biological Abstracts List of Serials. The format of the whole bibliography was patterned after the format of the Canada Department of Agriculture Library's List of Available Translations, with slight variation.

Arrangement

The bibliography is arranged alphabetically by author. In the case of entries with no authors, they are entered under the title. Each entry is provided with an item number, from 1-914. This is the number referred to in the keyword index to facilitate the location of specific items.

It is our hope that this piece of work will prove useful not only to rice researchers but also to scientists and scholars everywhere who are interested in rice literature translations.

ABBREVIATIONS OF SERIAL TITLES*

Acta Agric. Sin.
Acta Agricultura Sinica (China)

Acta Entomol. Sin.
Acta Entomologica Sinica (K'un Ch'ung Hsueh Pao) (China)

Acta Microbiol. Sin.
Acta Microbiologica Sinica (Wei Sheng Wu Hsueh Pao) (China)

Acta Pedol. Sin.
Acta Pedologica Sinica (China)

Acta Phytopathol. Sin.
Acta Phytopathologica Sinica (China)

Agric. Hortic.
Agriculture and Horticulture (Japan)

Agric. Sao Paulo
Agricultura em Sao Paulo (Brazil)

Agric. Sci. Technol. (Hanoi)
Agricultural Science and Technology (North Vietnam)

Agric. Technol.
Agricultural Technology (Nogyo Gijutsu) (Japan)

Agric. Technol. (Peiping)
Agricultural Technology (China)

Agriculture
Agriculture (Nogyo) (Japan)

Agrobiologiya (U.S.S.R.)

Agrochimica (Italy)

Agron. Trop.
Agronomie Tropicale (France)

Ann. Acad. Sci. Fenn.
Annales Academiae Scientiarum Fennicae (Finland)

Ann. Agric. Exp. Stn. Gov. Gen. Chosen
Annals of the Agricultural Experiment Station of Governor-General, Chosen (Korea)

*With indication of country of origin

Ann. Agron.
Annales Agronomiques (France)

Ann. Falsif. Exp. Chim.
Annales de Falsifications et de l'Expertise Chimique (France)

Ann. Inst. Pasteur
Annales de L'Institut Pasteur (France)

Ann. Phytopathol. Soc. Japan
Annals of the Phytopathological Society of Japan

Annu. Rep. Kanto-tosan Soc. Disease Insect Pest Res.
Annual Report of the Kanto-tosan Society of Disease and Insect Pest Research (Japan)

Annu. Rep. Soc. Plant Protect. North Japan
Annual Report of the Society of Plant Protection of North Japan

Appl. Entomol.
Applied Entomology (Oyo-Kontyu) (Japan)

Arroz (Colombia)

Ber. Ohara Inst. Landwirtsch. Forsch.
Berichte Des Ohara Institut Fur Landwirtschaftliche Forschungen (Japan)

Biofizika (U.S.S.R.)

Biol. Sci. (Tokyo)
Biological Science (Japan)

Bot. Mag. (Tokyo)
Botanical Magazine (Shaku-butsugaku Zasshi) (Japan)

Bull. Chugoku Agric. Exp. Stn.
Bulletin of the Chugoku Agricultural Experiment Station (Japan)

Bull. Chugoku Natl. Agric. Exp. Stn.
Bulletin of the Chugoku National Agricultural Experiment Station (Japan)

Bull. Div. Plant Breed. Cult. Tokai-Kinki Natl. Agric. Exp. Stn.
Bulletin of the Division of Plant Breeding and Cultivation, Tokai-Kinki National Agricultural Experiment Station (Japan)

Bull. Ehime Agric. Exp. Stn.
Bulletin of the Ehime Agricultural Experiment Station (Japan)

Bull. Fac. Agric. Mie Univ.
Bulletin of the Faculty of Agriculture, Mie University (Japan)

Bull. Fac. Agric. Miyazaki Univ.
Bulletin of the Faculty of Agriculture, Miyazaki University (Japan)

Bull. Fac. Agric. Saga Univ.
Bulletin of the Faculty of Agriculture, Saga University (Japan)

Bull. Food Res. Inst. Japan
Bulletin of the Food Research Institute Japan

Bull. Fukui Agric. Exp. Stn.
Bulletin of the Fukui Agricultural Experiment Station (Japan)

Bull. Hiroshima Agric. Exp. Stn.
Bulletin of the Hiroshima Agricultural Experiment Station (Japan)

Bull. Hokuriku Agric. Exp. Stn.
Bulletin of the Hokuriku Agricultural Experiment Station (Japan)

Bull. Inst. Agric. Res. Tohoku Univ.
Bulletin of the Institute of Agricultural Research, Tohoku University (Japan)

Bull. Inst. Nacl. Agric. (Panama)
Bulletin of the Instituto Nacional de Agricultura (Panama)

Bull. Kyushu Agric. Exp. Stn.
Bulletin of the Kyushu Agricultural Experiment Station (Japan)

Bull. Miyazaki Coll. Agric. For.
Bulletin of the Miyazaki College of Agriculture and Forestry (Japan)

Bull. Natl. Inst. Agric. Sci.
Bulletin of the National Institute of Agricultural Sciences (Japan)

Bull. Osaka Agric. Res. Cent.
Bulletin of the Osaka Agricultural Research Center (Japan)

Bull. Res. Inst. Food Sci. Kinki Univ.
Bulletin of the Research Institute for Food Science, Kinki University (Japan)

Bull. Res. Inst. Food Sci. Kyoto Univ.
Bulletin of the Research Institute for Food Science, Kyoto University (Japan)

Bull. Sci. Fac. Terk. Kyushu Imp. Univ.
Bulletin of the Science Faculty of Terkult, Kyushu Imperial University (Japan)

Bull. Shimane Agric. Coll.
Bulletin of the Shimane Agricultural College (Japan)

Bull. Tohoku Natl. Agric. Exp. Stn.
Bulletin of the Tohoku National Agricultural Experiment Station (Japan)

Bull. Tokai-Kinki Natl. Agric. Exp. Stn.
Bulletin of the Tokai-Kinki National Agricultural Experiment Station (Japan)

Bull. Yamagata Pref. Agric. Exp. Stn.
Bulletin of the Yamagata Prefecture Agricultural Experiment Station (Japan)

Bull. Yamagata Univ.
Bulletin of the Yamagata University (Japan)

Byull. Vses. Nauch.-Issled. Inst. Zasch. Rast.
Byulletin Vsesoyuznyi Nauchno Issledovatel'skii Institut Zashchity Rastenii (U.S.S.R.)

Cellule (Belgium)

Cesk. Biol.
Ceskoslovenska Biologie (Czechoslovakia)

Chin. Agric. Sci. (Peiping)
Chinese Agricultural Science

Chin. Science
Chinese Science (Chung Kuo Ke Hsueh)

Chugoku Agric. Res.
Chugoku Agricultural Research (Japan)

Chung-kuo Nung-yeh K'o-Hsueh Peiping (China)

Dokl. Akad. Nauk. Az. SSr
Doklady Akademii Nauk Azerbaidzhanskoi SSR (U.S.S.R.)

Dokl. Akad. Nauk SSSR
Doklady Akademii Nauk. SSSR (U.S.S.R.)

East China Sci. Agric. J.
East China Scientific Agriculture Journal

Farming Mech.
Farming Mechanization (Japan)

Formosan Agric. Rev.
Formosan Agricultural Review

Forsch. Geb. Pflanzenkrankh.
Forschungen auf dem Gebiet der Pflanzenkrankheiten (Shokubutsu Byogai Kenkyu) (Japan)

Genetica (Netherlands)

Giorn. Risicolt.
Giornale di Risicoltura (Italy)

Hokuno (Japan)

Hua-Tung Sci. Agric. J.
Hua-Tung Scientific Agricultural Journal (South China Scientific Agricultural Journal (China)

Hyogo Agric. Exp. Stn. Res. Rep.
Hyogo Agricultural Experiment Station Research Reports (Japan)

Ikushu Kenkyu (Japan)

Inst. Rech. Agron. Madagascar Doc.
Institut de Recherches Agronomiques a Madagascar Document

Izv. Akad. Nauk SSSR Ser. Biol.
Izvestiya Akademii Nauk SSSR Seriya Biologicheskaya (U.S.S.R.)

Izv. Timiryasev. S-Kh. Akad.
Izvestiya Timiryazevskoi Sel'skok-hozyaistvennoi Akademii

J. Agric. Chem. Soc. Japan
Journal of the Agricultural Chemical Society of Japan (Nippon Nogeikazaku Kaishi)

J. Agric. Eng. Soc. Japan
Journal of the Agricultural Engineering Society of Japan (Nogyodoboku-Kenkyu).

J. Agric. Exp. Stn. Korea
Journal of the Agricultural Experiment Station of Korea

J. Agric. Lab.
Journal of the Agricultural Laboratory (Japan)

J. Agric. Meteorol.
Journal of Agricultural Meteorology (Nogyo Kisho) (Japan)

J. Agric. Res.
Journal of Agricultural Research (Taiwan)

J. Agric. Soc. Japan
Journal of the Agricultural Society of Japan

J. Agric. Soc. Okayama Pref.
Journal of the Agricultural Society of Okayama Prefecture (Japan)

J. Agric. Trop. Bot. Appl.
Journal D'Agriculture Tropicale et de Botanique Appliquee (France)

J. Appl. Zool.
Journal of Applied Zollogy (Japan)

J. Chem. Soc. Japan Ind. Chem. Sect.
Journal of the Chemical Society of Japan, Industrial Chemistry Section

J. Chin. Agric. Chem. Soc.
Journal of the Chinese Agricultural Chemical Society (Taiwan)

J. Fac. Agric. Hokkaido Imp. Univ.
Journal of the Faculty of Agriculture, Hokkaido Imperial University (japan)

J. Fac. Sci. Hokkaido Imp. Univ.
Journal of the Faculty of Science, Hokkaido Imperioa University (Japan)

J. Ferment. Technol.
Journal of Fermentation Technology (Hakko Kogaku Zasshi) (Japan)

J. Food Sci. Technol. (Japan)
Journal of Food Science and Technology (Japan)

J. Hortic. Assoc. Japan
Jourhal of the Horticultural Association of Japan

J. Imp. Agric. Exp. Stn. Tokyo
Journal of the Imperial Agricultural Experiment Station, Tokyo (Japan)

J. Jpn. Agric. Soc.
Journal of the Japanese Agricultural Society

J. Jpn. Soc. Food Nutr.
Journal of the Japanese Society of Food and Nutrition (Eiyo to Shokuryo)

J. Jpn. Soc. Hortic. Sci.
Journal of the Japanese Society for Horticultural Science (Engei Gakkai Zasshi)

J. Jpn. Soc. Starch Sci.
Journal of the Japanese Society of Starch Science

J. Kanto-tosan Agric. Exp. Stn.
Journal of the Kanto-tosan Agricultural Experiment Station (Japan)

J. Niigata Agric. Exp. Stn.
Journal of the Niigata Agricultural Experiment Station (Japan)

J. Plant Protect.
Journal of Plant Protection (Byochu-gai Zasshi) (Japan)

J. Sapporo Soc. Agric. For. Japan
Journal of the Sapporo Society of Agriculture and Forestry (Japan)

J. Sci. Agric. Soc.
Journal of the Scientific Agricultural Society (Japan)

J. Sci. Soil Manure, Japan
Journal of the Science of Soil and Manure (Japan)

J. Soc. Agric. Mach. Japan
Journal of the Society of Agricultural Machinery(Japan)

J. Soc. Trop. Agric.
Journal of the Society of Tropical Agriculture (Japan)

J. Util. Agric. Prod.
Journal of the Utilization of Agricultural Products
(Nosan Kakao Gijutsu Kenkyu Kaishi) (Japan)

J. Yamagata Agric. For. Soc.
Journal of the Yamagata Agriculture and Forestry Society (Japan)

Joint Comm. Rural Reconstr. PID-C
Joint Commission on Rural Reconstruction in Taiwan, Plant
Industry Division - Circular

Jpn. J. Appl. Entomol. Zool.
Japanese Journal of Applied Entomology and Zoology

Jpn. J. Bot.
Japanese Journal of Botany

Jpn. J. Genet.
Japanese Journal of Genetics

Jpn. J. Plant Pathol.
Japanese Journal of Plant Pathology

Jpn. J. Trop. Agric.
Japanese Journal of Tropical Agriculture

Kagaku (Japan)

Kontyu (Japan)

Korea Agric. Stn. Ann.
Korea Agricultural Station Annals

Korean Agric. Assoc. J.
Korean Agricultural Association Journal

Kuang-ming Daily (Peiping)

Kusonoki-Noho (Japan)

Kyushu Agric. Res.
Kyushu Agricultural Research (Japan)

Madras Agric. J.
Madras Agricultural Journal

Makassar Res. Stn. Agric. Bull.
Makassar Research Station Agricultural Bulletin (Indonesia)

Masloboino-Zhir. Prom.
Masloboino-Zhirovaya Promyshlennost (U.S.S.R.)

Med. Parazitol. Parzitannye Boleznĭ
Meditsinskaya Parazitologiya i Parazitarnye Bolezni (U.S.S.R.)

Meded. Landbhogesch. Wageningen
Mededelingen van de Landbouwhogeschool. Wageningen. (Netherlands)

Mem. Coll. Agric. Kyoto Imp. Univ.
Memoirs of the College of Agriculture, Kyoto Imperial University (Japan)

Mem. Fac. Educ. Niigata Univ.
Memoirs of the Faculty of Education, Niigata University (Japan)

Mem. Inst. Sci. Ind. Res. Osaka Univ.
Memoirs of the Institute of Scientific and Industrial Research, Osaka University (Japan)

Mikrobiologiya (U.S.S.R.)

Niigata Norin Kenkyu (Niigata Agricultural Science) (Japan)

Nogaku Kenkyu (Japan)

Nogyo Gijutsu (Agricultural Technology) (Japan)

Nogyo-sekai (Agricultural World) (Japan)

Nogyo to Keizai (Agriculture and Economics) (Japan)

Odokon-Chugoku (Japan)

Oyo-Kontyu (Japan)

Pap. Semin. Nacl. del Arroz.
Paper Seminario Nacional del Arroz (Cuba)

Pedologist (Japan)

Oyo-Kontyu (Japan)

Pedologist (Japan)

Phytiatr. Phytopharm.
Phytiatrie-Phytopharmacie (France)

Plant Protect. (Japan)
Plant Protection (Japan)

Plant Protect. Bull.
Plant Protection Bulletin (Taiwan)

Pochvovedenie (U.S.S.R.)

Proc. Assoc. Plant Protect. Hokuriku
Proceedings of the Association of Plant Protection Hokuriku (Japan)

Proc. Assoc. Plant Protect. Kyushu
Proceedings of the Association of Plant Protection, Kyushu (Japan)

Proc. Crop Sci. Soc. Japan
Proceedings of the Crop Science Society of Japan

Proc. Crop Sci. Soc. Japan Kyushu Br.
Proceedings of the Crop Science Society of Japan, Kyushu Branch.

Proc. Fac. Lib. Arts. Educ. Yamanashi Univ.
Proceedings of the Faculty of Liberal Arts and Education, Yamanashi University (Japan)

Proc. Imp. Acad.
Proceedings of the Imperial Academy (Japan)

Proc. Jpn. Breed. Soc.
Proceedings of the Japanese Breeding Society (Japan)

Proc. Kanto-tosan Plant Protect. Soc.
Proceedings of the Kanto-tosan Plant Protection Society (Japan)

Proc. Mtg. Agric. Res. Workers Tokai-Kinki Agric. Exp. Stn.
Proceedings of the Meeting of Agricultural Research Workers in Tokai-Kinki Agricultural Experiment Station (Japan)

Proc. Shikoku Br. Crop Sci. Soc. Japan
Proceedings of the Shikoku Branch Crop Science Society of Japan

Proc. Symp. World's Rice
Proceedings of the Symposium on the World's Rice (Japan)

Protein, Nucleic Acid, Enzyme (Tampakushitsu Kakusan Koso) (Japan)

Prum. Potravin
Prumysl Potravin (Czechoslovakia)

Q. J. Agric. Econ.
Quarterly Journal of Agricultural Economics (Nogyo Sogo Kenkyu) (Japan)

Recent Adv. Breed.
Recent Advances in Breeding. (Japan)

Refrigeration (Japan)

Rep. Coop. Res. Kinki-Chugoku Reg.
Report of the Cooperative Research in Kinki-Chugoku Region (Japan)

Rep. Food Res. Inst. (Japan)
Report of the Food Research Institute (Japan)

Rep. Hokkaido Natl. Agric. Exp. Stn.
Report of the Hokkaido National Agricultural Experiment Station (Japan)

Rep. Kanto-tosan Plant Protect. Soc.
Report of the Kanto-tosan Plant Protection Society (Japan)

Rep. Kanto-tosan Soc. Disease Insect Pest Res.
Report of the Kanto-tosan Society of Disease and Insect Pest Research (Japan)

Rep. Kyushu Br. Crop Sci. Soc. Japan
Report of the Kyushu Branch, Crop Science Society of Japan

Rep. Ohara Agric. Inst. Okayama Univ.
Report of the Ohara Agricultural Institute, Okayama University (Japan)

Rep. Taiwan Natl. Hist. Soc.
Report of the Taiwan National Historical Society (Taiwan)

Rep. Tohoku Br. Crop Sci. Soc. Japan
Report of the Tohoku Branch, Crop Science Society of Japan

Res. Bull. Hokkaido Natl. Agric. Exp. Stn.
Research Bulletin of the Hokkaido National Agricultural Experiment Station (Japan)

Res. Bull. Hyogo Pref. Agric. Exp. Stn.
Research Bulletin of the Hyogo Prefectural Agricultural Experiment Station (Japan)

Res. Bull. Nagano Pref. Agric. Exp. Stn.
Research Bulletin of the Nagano Prefectural Agricultural Experiment Station (Japan)

Res. Rep. Fukuoka Agric. Exp. Stn.
Research Report of the Fukuoka Agricultural Experiment Station (Japan)

Rev. Brasil. Biol.
Revista Brasileira de Biologia (Brazil)

Rev. "Centro" Ser.: Cienc. Agric. Univ. Cent.
Revista "Centro" Serie:Ciencia Agricola Universidad Central

Rev. Chilena Entomol.
Revista Chilena de Entomologia (Chile)

Rev. Int. Bot. Appl. Agric. Trop.
Revue Internationale De Botanique Appliquee et D'Agriculture Tropicale (France)

Riso (Italy)

Rybn. Khoz.
Rybnoc Khozyaistvo (U.S.S.R.)

Science (China)

Science (Japan)

Sci. Bull. Fac. Agric. Kyushu Univ.
Science Bulletin of the Faculty of Agriculture, Kyushu University (Japan)

Sci. Rep. Hyogo Univ. Agric.
Science Reports of the Hyogo University of Agriculture (Japan)

Seikagaku (Journal of Japanese Biochemical Society)

Shikoku Agric. Res.
Shikoku Agricultural Research (Japan)

South China Agricultural Science (Hua Nan Nung Yeh K'o Hsueh T'ung Pao)

Spec. Bull. Agric. Exp. Stn. Formosa
Special Bulletin of the Agricultural Experiment Station of Formosa (Taiwan)

Spec. Rep. Shizuoka Pref. Agric. Exp. Stn.
Special Report of the Shizuoka Prefecture Agricultural Experiment Station (Japan)

Starke (West Germany)

Symp. Jpn. Soc. Breed. Tottori Univ.
Symposium of the Japanese Society of Breeding, Tottori University

Tech. Bull. Miyagi Agric. Exp. Stn.
Technical Bulletin of Miyagi Agricultural Experiment Station (Japan)

Teysmania

Tokyo Geog. Papers
Tokyo Geographical Papers (Japan)

Tr. Kuban. S-Kh. Inst.
Trudy Kubanskogo Sel'Skokhozyaistvennogo Instituta (US.S.R.)

Tr. Prikl. Bot. Genet. Sel.
Trudy po Prikladnoi Botanike Genetike i Selektsii (U.S.S.R.)

Tr. Stavrop. S. Kh. Inst.
Trudy Stavropol'skogo Sel'Skokhozyaistvennogo Instituta (U.S.S.R.)

Tr. Zool. Inst. Akad. Nauk. SSSR
Trudy Zoologicheskoi Instituta, Akademiya Nauk SSSR (U.S.S.R.)

Trans. Agric. Eng. Soc. Japan
Transactions of the Agricultural Engineering Society, Japan.

Trans. Sapporo Nat. Hist. Soc.
Transactions of the Sapporo Natural History Society (Japan)

Trans. Tottori Soc. Agric. Sci.
Transactions of the Tottori Society of Agricultural Science (Tottori Nogaku Kwaiho) (Japan)

T'u-jang Hsueh-pao (China)

Vest. Mosk. Univ. Ser. Biol. Pochvoved. Geol. Geog.
Vestnik Moskovskogo Universiteta Seriya Biologii i Pochvovodeniya, Geologii, Geografii (U.S.S.R.)

Vest. Sel'skokhoz, Nauki
Vestnik Sel'skokhozyaistvennoi Nauki (U.S.S.R.)

Weed Res.
Weed Research

Yamaguchi Agric. Exp. Stn. Prel. Rep. Ser.
Yamaguchi Agricultural Experiment Station Preliminary Report Series (Japan)

Yarovizatsiya (U.S.S.R.)

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KEYWORD INDEX