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INTERNATIONAL BIBLIOGRAPHY ON CROPPING SYSTEMS

1977 Supplement

This bibliography supplements and updates the International Bibliography on Cropping Systems, 1973-74. It includes literature published in 1977 and those produced from 1973 up to 1976 which were not included in the initial volume and the 1975-1976 supplements.

The entries follow a classified arrangement. Author and keyword indexes are provided at the end.

Dr. Hideo Akemine, Mrs. Mieko H. Ogura and Mrs. Kazuko Morooka, working in Japan, provided most of the Japanese entries. Miss Elaine Enriquez and Miss Dionisia Capaya indexed the periodicals. Entries for the author and keyword indexes were typed by Miss Candelaria Banzuela. Mr. Raymundo Coloquio typed the manuscript.

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Statistics and Statistical Methods 107

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ABBREVIATIONS OF SERIAL TITLES
(Additional titles indexed for the 1977 supplement)

ADAB [Agric. Dev. Agencies Bangladesh] News
ADAB [Agricultural Development Agencies in Bangladesh] News

ATAC [Asoc. Tec. Azucar. Cuba]
ATAC [Asociacion de Tecnicos Azucareros de Cuba]

Abstr. Trop. Agric.
Abstracts of Tropical Agriculture

Acta Agrar. Silvestria Ser. Agrar.
Acta Agraria et Silvestria Series Agraria

Acta Bot. Indica
Acta Botanica Indica

Acta Fytotech. Univ. Agric. Nitra
Acta Fytotechnica Universitatis Agriculturae, Nitra

Acta Mycol.
Acta Mycologica

Acta Phytopathol. Acad. Sci. Hung.
Acta Phytopathologica Academiae Scientiarum Hungaricae

Aduthurai Rep.
Aduthurai Reporter

Agrarwiss. Forsch. Humid. Trop.
Agrarwissenschaftliche Forschung in den Humiden Tropen

Agric. Eng. [Sri Lanka]
Agricultural Engineering [Sri Lanka]

Agro
Agro

Agrochimica
Agrochimica

Agronocimiento
Agronocimiento

Alternatives
Alternatives

An. Edafol. Agrobiol.
Anales de Edafologia y Agrobiologia

An. Inst. Cercet. Cereale Plante Teh.-Fundulea Acad. Stiinte Agric. Silvice, Ser. B
Analele Institutului de Cercetari pentru Cereale si Plante Tehnice-Fundulea, Academia de Stiinte Agricole si Silvice, Seria B: Agrofitotehnie si Agrochimie

An. Inst. Nac. Invest. Agrar. Prod. Veg.
Anales del Instituto Nacional de Investigaciones Agrarias, Serie: Produccion Vegetal

Ann. Acad. Agric. Torino
Annali dell' Accademia di Agricoltura di Torino

Ann. Fac. Agrar. Univ. Cattol. Sacro Cuore
Annali della Facolta di Agraria, Universita Cattolica del Sacro Cuore

Ann. Ist. Sper. Ortic. Salerno
Annali dell' Istituto Sperimentale per l'Orticoltura, Salerno

Annu. Rep. Cent. Plant. Crops Res. Inst.
Annual Report, Central Plantation Crops Research Institute

Annu. Rep. Indian Grassl. Fodder Res. Inst. Jhansi
Annual Report, Indian Grassland and Fodder Research Institute, Jhansi

Annu. Rep. Letcombe Lab. Agric. Res. Counc.
Annual Report, Letcombe Laboratory, Agricultural Research Council

Annu. Rep. Mauritius Sugar Ind. Res. Inst.
Annual Report, Mauritius Sugar Industry Research Institute

Annu. Rep. Res. Br. Sarawak Dep. Agric.
Annual Report of the Research Branch, Sarawak Department of Agriculture

Annu. Rep. Sabah Dep. Agric.
Annual Report, Sabah Department of Agriculture

Annu. Rep. UK Scot. Hortic. Res. Inst.
Annual Report, United Kingdom Scottish Horticultural Research Institute

Annu. Res. Rep. Inst. Food Agric. Sci. Florida
Annual Research Report, Institute of Food and Agricultural Sciences, Florida

Annu. Res. Rep. Red River Valley Agric. Exp. Stn. La.
Annual Research Report, Red River Valley Agricultural Experiment Station, Louisiana

Approp. Technol.
Appropriate Technology

Assiut J. Agric. Sci.
Assiut Journal of Agricultural Science

Atual. Agrovet.
Atualidades Agroveterinarias

Aust. J. Bot.
Australian Journal of Botany

Biologia
Biologia

Bitki Koruma Bul.
Bitki Koruma Bulteni

Bol. Agric.
Boletin Agricola

Bull. Ecole Natl. Super. Agron. Ind. Aliment.
Bulletin de l'Ecole Nationale Superieure d'Agronomie et des Industries Alimentaires

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

Bull. Fac. Agric. Shimane Univ.
Bulletin of the Faculty of Agriculture, Shimane University

Bull. Hiroshima Prefect. Agric. Exp. Stn.
Bulletin of the Hiroshima Prefectural Agricultural Experiment Station

Bull. Hokkaido Prefect. Shintoku Anim. Husb. Exp. Stn.
Bulletin of the Hokkaido Prefectural Shintoku Animal Husbandry Experiment Station

Bull. Indon. Econ. Stud.
Bulletin of Indonesian Economic Studies

Bull. Mie Agric. Tech. Cent.
Bulletin of the Mie Agricultural Technical Center

Bull. Nagano Hortic. Exp. Stn.
Bulletin, Nagano Horticultural Experiment Station

Bull. Oita Prefect. Agric. Res. Cent.
Bulletin of the Oita Prefectural Agricultural Research Center

Byull. Vses. Nauchno-Issled. Inst. Zashch. Rast.
Byulleten Vsesoyuznogo Nauchno-Issledovatel' skogo Instituta Zashchity Rastenii

CLSU [Cent. Luzon State Univ.] Sci. J.
CLSU [Central Luzon State University] Scientific Journal

Cah. ORSTOM [Off. Rech. Sci. Tech. Outre mer] Ser. Biol.
Cahiers ORSTOM [Office de la Recherche Scientifique et Technique Outre-Mer] Serie Biologie

Cah. ORSTOM [Off. Rech. Sci. Tech. Outre Mer] Ser. Sci. Hum.
Cahiers ORSTOM [Office de la Recherche Scientifique et Technique Outre-Mer] Serie Sciences Humaines

Calif. Farmer (Cent. Ed.)
California Farmer (Central Edition)

Can. Agric.
Canadian Agriculturist

Cane Point
Cane Point

Canopy
Canopy

Community
Community

Darb. Tr. Ser. C Ser. V Liet. TSR Mokslu Akad.
Darbai Trudy Serija C Seriia V Lietuvos TSR Mokslu Akademija

Din. Mikrobiol. Protsessov Pochve Obuslovlivayushchie Ee Faktory Mater. Simp.
Dinamika Mikrobiologicheskikh Protsessov v Pochve i Obuslovlivayushchie ee Faktory: Materialy Simposiuma

Dixon Springs Agric. Cent.
Dixon Springs Agricultural Center

Ecodev. News
Ecodevelopment News

Ecol. Food Nutr.
Ecology of Food and Nutrition

Econ. Hist. Rev.
Economic and Historical Review

Ekistics
Ekistics

Farm Account. Stud.
Farm Accounting Studies

Farm Ranch Home Q. [Nebraska]
Farm, Ranch and Home Quarterly [Nebraska]

Farmers' Guide
Farmers' Guide

Fert. Technol.
Fertilizer Technology

Financ. Agric.
Financing Agriculture

Flower Garden
Flower and Garden

Folia Microbiol. (Prague)
Folia Microbiologica (Prague)

Gema Rimba
Gema Rimba

Gemüse
Gemüse

Geogr. Rev.
Geographical Review

Glasnik Poljopr. Proizvod. Prerade Plasmana
Glasnik Poljoprivredne Proizvodnje Prerade i Plasmana

Grains J.
Grains Journal

Hidrometeorol. Straipsniai
Hidrometeorologinai Straipsniai

Hokuriku Crop Sci.
Hokuriku Crop Science

Hoppo Nogyo
Hoppo Nogyo

Hortic. Ind.
Horticulture Industry

ICA [Inst. Colomb. Agropecuar.] Inf.
Instituto Colombiano Agropecuario Informa

Ikon. Selsk. Stopanstvo
Ikonomika na Selskoto Stopanstvo

Ill. Agric. Econ.
Illinois Agricultural Economics

Ind. Obst. Gemuseverwert.
Industrielle Obst-und Gemuseverwertung

Indian Coconut J.
Indian Coconut Journal

Indian J. Anim. Sci.
Indian Journal of Animal Science

Indian J. Ecol.
Indian Journal of Ecology

Indian J. Farm Sci.
Indian Journal of Farm Science

Indian Sugar
Indian Sugar

Inf. Invest. Agric. Cent. Invest. Agric. Noroeste
Informe de Investigacion de Agricultura, Centro de Investigaciones Agricolas del Noroeste

Iran. J. Agric. Res.
Iranian Journal of Agricultural Research

J. Agric. Res. China
Journal of Agricultural Research of China

J. Agric. South Aust.
Journal of Agriculture of South Australia

J. Agric. Univ. Puerto Rico
Journal of Agriculture of University of Puerto Rico

J. Am. Soc. Farm Manage. Rural Appraisers
Journal of the American Society of Farm Managers and Rural Appraisers

J. Econ. Entomol.
Journal of Economic Entomology

J. Entomol. Res.
Journal of Entomological Research

J. Gyeongsang Natl. Univ.
Journal of Gyeongsang National University

J. Water Pollut. Control Fed.
Journal of the Water Pollution Control Federation

Jap J. Crop Sci.
Japanese Journal of Crop Science

Jap. J. Nematol.
Japanese Journal of Nematology

Japan. Pestic. Inf.
Japan Pesticide Information

Kehittyvae Maatalous
Kehittyvae Maatalous

Kikan Jinrui-gaku
Kikan Jinrui-gaku

Kultura
Kultura

Landbruk
Landbruk

Latv. Lauksaimn. Akad. Raksti
Latvijas Lauksaimniecibas Akademijas Raksti

Lembaga Penel. Peternakan Lembaran
Lembaga Penelitian Peternakan Lembaran

Lucr. Stiint. Stat. Cent. Cercet. Cult. Pajistilor Magurele-Brasov
Lucrari Stiintifice ale Statiunii Centrale de Cercetari pentru Cultura Pajistilor, Magurele-Brasov

Medd. Statens Plant.
Meddelelse, Statens Planteavlsforsog

Mem. Fac. Agric. Hokkaido Univ.
Memoirs of the Faculty of Agriculture Hokkaido University

Mikroelem. Zhivotnovod. Rastenievod.
Mikroelementy v Zhivotnovodstve i Rastenievodstve

Minn. Dairyman
Minnesota Dairyman

Mitt. Bundesforschungsanst. Forst. Holzwirtsch.
Mitteilungen der Bundesforschungsanstalt fur Forst-und Holzwirtschaft

NSC [Nat. Sci. Counc. Taiwan] Rev.
NSC [National Science Council Taiwan] Review

N. Z. Fert. J.
New Zealand Fertilizer Journal

N. Z. Tob. Grow. J.
New Zealand Tobacco Growers' Journal

Naturwissenschaften
Naturwissenschaften

Nematol. Mediterr.
Nematologia Mediterranea

New Engl. Gard. Mag.
New England Gardening Magazine

New Scientist
New Scientist

News Letter Bangladesh Agric. Res. Counc.
News Letter Bangladesh Agricultural Research Council

Nogyo Keiei Tsushin
Nogyo Keiei Tsushin

Nokei Ronso
Nokei Ronso

Not. Fitopatol.
Noticias Fitopatologicas

Ochr. Rostl.
Ochrana Rostlin

Oklahoma Curr. Farm Econ.
Oklahoma Current Farm Economics

Ovoshcharastvo
Ovoshcharastvo

Pemberitaan Lembaga Penelitian Tanaman Ind.
Pemberitaan Lembaga Penelitian Tanaman Industri

Pesq. Agropecuar. Bras. Ser. Agron.
Pesquisa Agropecuaria Brasileira, Seria Agronomia

Pesticides
Pesticides

Planter [Kuala Lumpur]
Planter [Kuala Lumpur]

Poljoprivreda
Poljoprivreda

Postepy Nauk Roln.
Postepy Nauk Rolniczych

Proc. Am. Phytopath. Soc.
Proceedings of the American Phytopathological Society

Proc. Am. Soc. Sugar Cane Technol.
Proceedings - American Society of Sugar Cane Technologists

Proc. Bihar Acad. Agric. Sci.
Proceedings of the Bihar Academy of Agricultural Sciences

Proc. Indiana Acad. Sci.
Proceedings of the Indiana Academy of Science

Proc. Swed. Weed Conf.
Proceedings Swedish Weed Conference

Publ. Puerto Rico Agric. Exp. Stn.
Publication Puerto Rico Agricultural Experiment Station

RRISL [Rubber Res. Inst. Sri Lanka] Bull.
RRISL [Rubber Research Institute of Sri Lanka] Bulletin

Rapp. Jordbearbetningsavd. Lantbrukshogsk.
Rapporter fran Jordbearbetningsavdelningen, Lantbrukshogskolan

Rapp. Proefstn. Akkerbouw Groenteteelt Vollegrond Nederland
Rapporten, Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond in Nederland

Rast. Kormopr. Ekon. Mekh. Sb. Nauchn. Rab. Nauchno-Issled. Inst. Sel'sk. Khoz. Tsentr.-chernoz. Polosy V. V. Dokucheva
Rastenievodstvo i Kormopreoizvodstva Ekonomika Mekhanizatsiya Sbornik Nauchnnykh Rabot Nauchno-Issledovatel'skogo Instituta Sel'skogo Khozyaistva Tsentral'no-chernozemnoi Polosy imeni V. V. Dokucheva

Rastit. Nauka
Rastitelnozashchitna Nauka

Rec. Res. East Afr. Agric. Forest. Res. Organ.
Record of Research East African Agriculture and Forestry Research Organization

Redia
Redia

Rep. Soc. Crop Sci. Breed. Kinki Japan
Report of the Society of Crop Science and Breeding in Kinki, Japan

Res. Rep. North Cent. Weed Contr. Conf.
Research Report North Central Weed Control Conference

Rev. Agric. [Sao Paulo]
Revista de Agricultura [Sao Paulo]

Rev. Biol. Trop.
Revista de Biologia Tropical

Rev. COMALFI [Soc. Colomb. Contr. Malezas Fisiol. Veg.]
Revista COMALFI [Sociedad Colombiana de Control de Malezas y Fisiologia Vegetal]

Rev. Inst. Agric. Catalan de San Isidro
Revista del Instituto Agricola Catalan de San Isidro

Rhizobium Newsl.
Rhizobium Newsletter

Riv. Agric. Subtrop. Trop.
Rivista di Agricoltura Subtropicale e Tropicale

Rocz. Nauk Roln. Ser. E
Roczniki Nauk Rolniczych, Seria E: Ochrona Roslin

Rocz. Nauk Roln. Ser. G
Roczniki Nauk Rolniczych, Seria G: Ekonomika Rolnictwa

Rural Africa
Rural Africa

Sb. UVTIZ [Ustav Vedeckotech. Inf. Zahradnictvi]
Sbornik UVTIZ [Ustav Vedeckotechnickych Informaci Zahradnictvi]

Sci. Agric.
Science in Agriculture

Sci. Sol
Science du Sol

Siaran Pekebun
Siaran Pekebun

Sodob. Kmetij.
Sodobno Kmetijstvo

Spec. Rep. Or. Agric. Exp. Stn.
Special Report, Oregon Agricultural Experiment Station

Statens Planteavl.
Statens Planteavlsmoede

Sugarcane Pathol. Newsl.
Sugarcane Pathologists' Newsletter

Sver. Utsaedesfoeren. Tidskr.
Sveriges Utsaedesfoerenings Tidskrift

Tea East Afr.
Tea in East Africa

Tekh. Sel'sk. Khoz.
Tekhnika Sel'skom Khozyajstve

Tenn. Farm Home Sci. Prog. Rep.
Tennessee Farm and Home Science Progress Report

Tijdschr. Econ. Soc. Geogr.
Tijdschrift voor Economische en Sociale Geografie

Tokushima Prefect. Agric. Exp. Stn. Rep.
Tokushima Prefecture Agricultural Experiment Station Reports

Tools Tillage
Tools and Tillage

Tr. Latv. S-kh. Akad.
Trudy, Latviiskaya Sel'skokhozyaistvennaya Akademiya

Tr. Nauchno-Issled. Inst. Biol. Biofiz. Tomsk. Gos. Univ.
Trudy Nauchno-Issledovatel'skogo Instituta Biologii i Biofiziki pri Tomskom Gusudarstvennom Universitete

Tr. Tadzh. Nauchno-Issled. Inst. Zemled.
Trudy Tadzhikskogo Nauchno-Issledovatel'skogo Instituta Zemledeliya

Tr. Uzbeksk. Nauchno-Issled. Inst. Zhivotnovod.
Trudy, Uzbekskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva

Tr. Volgogr. S-kh. Inst.
Trudy Volgogradskogo Sel'skokhozyaistvennogo Instituta

Tr Vses. Nauchno-Issled. Inst. Zashch. Rast.
Trudy Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Zashchity Rastenii

Tr. Vses. S-kh. Inst. Zaochn. Obraz.
Trudy Vsesoyuznogo Sel'skokhozyaistvennogo Instituta Zaochnogo Obrazovaniya

Trop. Ecol.
Tropical Ecology

Ved. Pr. Vyzk. Ustav. Rostl. Vyroby Praha-Ruzyne
Vedecke Prace Vyzkumnych Ustavu Rostlinne Vyroby Praha-Ruzyne

Vestsi Akad. Navuk BSSR Ser. Biyal. Navuk
Vestsi Akademii Navuk BSSR, Seryya Biyalagichnykh Navuk

Victorian Hortic. Dig.
Victorian Horticultural Digest

Vodoprivreda
Vodoprivreda

Wheat Inf. Serv.
Wheat Information Service

Wheat Market Rep.
Wheat Market Report

Wintertagung
Wintertagung

World Crops Livestock
World Crops & Livestock

World Dev.
World Development

Zagazig J. Agric. Res.
Zagazig Journal of Agricultural Research

Zasso Sono Bojo
Zasso to Sono Bojo

Zesz. Nauk. Akad. Roln. Krakowie Roln.
Zeszyty Naukowe Akademii Rolniczej w Krakowie, Rolnictwo

Zhongguo Nongye Kexue
Zhongguo Nongye Kexue

Zoldsegtermesztesi Kut. Intez. Bull.
Zoldsegtermesztesi Kutato Intezet Bulletinje

Zucker
Zucker

Zuckerruebe
Zuckerruebe

GENERAL WORKS

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   A. Abdullahi, J. Hayward, J. E. A. Ogborn, and A. H. Choudhury, joint authors.
   Paper presented at the Cropping Scheme Meeting, 1975.

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   Thesis (Ph.D.)--University of Illinois at Urbana-Champaign.
   Rice cropping patterns, field crops cropping systems.

15. CARANGAL, V. R. Asian cropping systems network. In Proc. Symposium on Cropping Systems Research and Development for the Asian Rice Farmer, IRRI, 1976, p.31-46, ill. Los Baños, Laguna: IRRI, 1977.

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17. CARANGAL, V. R. Asian Cropping Systems Network - a cooperative program in Asia: a progress report, 1976-June 1977. Paper presented at the 3d Workshop on Cropping Systems, Bogor, 1977. 32, [18] p.

18. CARANGAL, V. R. Asian Cropping Systems Network - a cooperative program in Asia: a progress report, 1976 - June 1977. Los Baños, Laguna, IRRI, 1977. 35, [3] p. ill.

19. CARANGAL, V. R. International Rice Research Institute cropping systems network. In Workshop Proc. Workshop on Cropping Systems Programme Planning, Maha Illuppallama, 1976, p.30-35.

20. CARANGAL, V. R. Rice based cropping systems in southeast Asia using photoperiod sensitive rice varieties. Paper presented at the International Seminar on Photoperiod Sensitive Transplanted Rice, Dacca, 1977. 10 p., figures.

21. CARANGAL, V. R. Varietal testing. In Rep. 6th Cropping Systems Working Group Meeting, Sri Lanka, 1977, p.3-14.

22. CENTRAL PLANTATION CROPS RESEARCH INSTITUTE. CPCRI annual report, 1976. Kerala, 1977. 283 p.

23. CENTRO AGRONOMICO TROPICAL DE INVESTIGACION Y ENSEÑANZA. List of papers on cropping systems prepared at CATIE (cummulative list no.4). Turrialba, 1977.

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25. CHANDRA, S. Productive efficiency of Fijian and Indian farming systems in semi-subsistence agriculture. Part 1: Review of the problem and research approach. Fiji Agric. J. 39(1):1-11, ill. map. Ref. Jan./June 1977.

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28. CHOI, C. I. Vegetable production and marketing in Korea. In Proc. Workshop on Pre- and Post-Harvest Vegetable Technology in Asia, Los Baños, Laguna, 1977, p.118-127, ill. Tainan: Asian Vegetable Research and Development Center, 1977.

29. CHRISPEELS, M. J. and SADAVA, D. Modern agricultural practices. In Their Plants, food, and people, p.138-161. ill. San Francisco, Calif.: W. H. Freeman, 1977.

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32. CROPPING SYSTEMS WORKING GROUP MEETING, 4th, LOS BAÑOS, LAGUNA, 1976. Report of the Cropping Systems Working Group. Los Baños, Laguna: IRRI, 1976. 152 p. ill. Ref.

33. CROPPING SYSTEMS WORKING GROUP MEETING, 6th, SRI LANKA, 1977. Report of the Cropping Systems Working Group. Los Ba[illegible], Laguna: IRRI, 1977? 315 p. ill.

33a. DALRYMPLE, D. Multiple cropping in developing countries. Dev. Dig. 13(1):71-96. Jan. 1975.

34. DUMOR, E. Indigenous farming systems and implications for rural youth programs in Ghana. Rural Afr. 30:31-39. Ref. Spring 1976.

35. FERNANDO, G. W. E. Organization of the Cropping Systems Project in Sri Lanka. In Workshop Proc. Workshop on Cropping Systems Programme Planning, Maha Illuppallama, 1976, p.36-40, ill.

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