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# **AGRICULTURAL EDUCATION OUTREACH PROJECT**

## **AGRICULTURE BOOKLIST**

### **FINAL REPORT**

**Costabile Associates, Inc.  
July 1981**

**COSTABILE ASSOCIATES, INC.  
4720 Montgomery Lane  
Bethesda, Maryland 20014  
(301) 986-8560**

The Agricultural Education Outreach Project will provide an up-to-date technical and reference library suitable to the teaching needs of seven agricultural colleges in the Philippines. To assist AID in meeting the objectives of this project, Costabile Associates, Inc. has produced a booklist on basic and tropical agriculture and technical agricultural books for libraries at the seven project colleges.

The booklist includes slightly over 1,000 titles. Included are texts, technical books, reference books, workbooks/lab manuals and select periodicals in basic and tropical agriculture covering soil, crop, plant and animal sciences both in general and as related to the Philippines. It also includes agricultural economics, farm management, farm institutions and farming systems. Related subjects which are included are tropical forestry, agricultural education, agricultural journalism, agricultural engineering and mechanics and agricultural extension work as related to the Philippines. Because the following subjects do not fall directly within the scope of this booklist, a limited number of titles have been included for aquaculture and fisheries, and food and nutrition. The methodology for producing this list follows.

## METHODOLOGY

In order to select titles for the booklist for the seven agricultural college libraries in the Philippines, certain criteria was developed. The overriding criteria was that the materials be in print and available for purchase.

The more important criteria, however, was that the texts and technical books included in the booklist be the "best" books for support of the courses to be taught at the seven Philippine agriculture colleges.

The level of the texts and technical books to be selected had to be considered. Several agricultural specialists and bibliographers who either had some experience in Philippine agriculture, tropical agriculture or the development of agricultural collections in LDC's were consulted. See the attached list (Appendix A) for the specialists consulted.

The general consensus of the specialists/bibliographers was to select texts and technical books at all levels of undergraduate education. In order to bring the level of the colleges from a "high school vocational agricultural collection" to an "intermediate and advanced undergraduate level", basic texts in the pure sciences would be needed. They also stressed the importance of keeping the collection basic while attempting to raise the educational level.

An attempt was made to include select basic texts in the pure sciences. Those selected were the minimal needed to bring the students educational level to where the agricultural texts would be

useable and understandable.

As a method of selecting the "best" books, it was decided that the basic texts and technical books used by professors of agriculture at U.S. agricultural colleges and universities at the undergraduate level would be applicable for this booklist. The bookstore text lists for agricultural courses and the library reserve reading lists for agricultural courses were gathered from the universities on the attached list (Appendix B). Only titles which related to the pure sciences, basic agriculture and tropical agriculture, were selected from these lists. Titles which dealt with the American farming system exclusively were not included.

In addition to the text lists and reserve reading lists from the U.S. agricultural colleges and universities, a number of other selection sources were used.

1. The bibliographies from two new basic works on world and tropical agriculture were reviewed. These were:

Commonwealth Agricultural Bureaux  
World Agriculture in Perspective  
Farnham Royal, CAB, 1980, 532p.

Webster, Cyril C.  
Agriculture in the Tropics 2nd ed.  
London, Longmans, 1980, 640p.

2. The two national library collections in Washington - The Library of Congress and National Agriculture Library were searched for current titles through the use of their on-line data bases - MUMS and AGRICOLA.
3. Other on-line data bases searched were CAB - The Commonwealth Agricultural Bureaux data base; BIOSIS; and GPO/USDA for current

materials.

4. The AID RAND data base and library collections in Washington were searched for relevant titles. The RAND data base produced a great number of short research documents which seemed too in depth for an undergraduate curriculum. If needed, these titles can be reproduced off of the AID microfiche.
5. Publication lists from international agricultural and tropical agricultural organizations were solicited, including a visit to UNIPUB in New York which handles United Nations and U.N. related international organization publications. Attached is a list (Appendix C) of some of the major organizations which publish in the field of tropical agriculture and agriculture in developing countries. Titles were selected from their in-print catalogs or lists.
6. The American Association for the Advancement of Science (AAAS) has produced two volumes which list the basic "best" books in the pure and applied sciences indicating which titles should be in undergraduate collections.

Deason, Hilay J.  
The AAAS Science Booklist 3rd ed.  
Washington, AAAS, 1970

Wolff, Kathryn  
AAAS Science Booklist Supplement  
Washington, AAAS, 1978

Titles were selected from both volumes and an attempt was made to find later editions of those titles which were included in our booklist.

Not included in the booklist but available from individual bookstores of the agricultural universities are lab manuals, course outlines and other

materials locally produced by university faculty. This type of material goes in and out of print continuously as courses/professors change at these agricultural universities.

Although Books in Print lists over a thousand books in the fields covered in this booklist, it was not used as a selection source. It was used, however, to verify data for as many books as possible on the booklist. Prices were taken from Books in Print or publishers catalogs where available, but by the time of purchase for this project, the price may be up to 100% off. The current average price of an agricultural text is \$40.00.

## METHODOLOGY APPENDIX A

## Agricultural Specialist/Bibliographers Consulted

Vladimir Mikuda, Science Coordinator, Pennsylvania State University

Recently worked on AID project in Sri Lanka raising an undergraduate agricultural library collection to the graduate research level.

Keith Roe, Head Librarian, Life Science Library, Pennsylvania State University

Dr. Joseph Metz, Dean for International Agricultural Activities, Cornell University

Several years of experience in agriculture in the Philippines.

Henry Murphy, Librarian, Mann Library, Cornell University

Head of one of the largest agricultural research collections in U.S. universities, who participated in the development of the Los Banos library collection.

Bob Butler, Acquisition Librarian, National Agriculture Library

Recently visited the Philippines for a national program for agricultural libraries.

Richard Blanchard, Librarian, University of California, Davis

Specialist in agricultural bibliographies, developer of the basic list of agricultural "Ref" books for U.S. agricultural colleges and universities.

Dr. Frank Mann, Office of Technical Resources, Bureau for Asia, AID

Susan Weintraub, Librarian, Bureau for Science and Technology/ Office of Development Information Utilization, AID

**Methodology Appendix B****Primary Selection Sources**

University of Maryland Bookstore

Pennsylvania State University Bookstore

Pennsylvania State University Library Reserves

Cornell University Bookstore

Cornell University Library Reserves

Michigan State University Bookstore

Michigan State University Library Reserves

Iowa State University Bookstore

University of California, Davis Bookstore

**U.S. Agricultural Colleges****Departments Considered****Iowa State University - Ames**

Agricultural Administration and Public Service  
Agricultural Business and Economics  
Agricultural Climatology  
Agricultural Communications  
Agricultural Education  
Agronomy  
Animal Science  
Dairy Science  
Forestry  
Farm Operations  
Plant Pathology  
Veterinary Science

**Michigan State University-East Lansing**

Agricultural Economics  
Agricultural Engineering  
Agricultural Engineering Technology  
Animal Science  
Dairy Science  
Botany and Plant Pathology  
Crop and Soil Science  
Entomology  
Food Systems Economics and Management  
Horticulture  
Poultry Science

**Pennsylvania State University - University Park**

Agricultural Business and Economics  
Agricultural Engineering  
Agriculture  
Agronomy  
Animal Industries  
Animal Nutrition  
Animal Science  
Dairy Science  
Entomology  
Forestry  
Plant Pathology  
Poultry Science

**SUNY, College of Agriculture and Life Science at Cornell - Ithaca**

Agricultural Economics  
 Agricultural Education  
 Agricultural Engineering  
 Agriculture  
 Agronomy  
 Animal Breeding  
 Animal Science  
 Botany  
 Chemistry  
 Dairy Production  
 Entomology  
 Farm Finance  
 Fruit Production  
 International Agriculture  
 Livestock Production  
 Math  
 Physics  
 Plant Breeding  
 Plant Pathology  
 Plant Protection  
 Poultry Science  
 Soil Science  
 Vegetable Crops  
 Veterinary Science

**University of California, Davis**

Agricultural Economics  
 Agricultural Engineering  
 Agriculture  
 Agronomy  
 Animal Husbandry  
 Animal Physiology  
 Animal Science and Management  
 Botany  
 Plant Pathology  
 Plant Science  
 Soil Science  
 Veterinary Science

**University of Maryland - College Park**

Agricultural Economics  
 Agricultural Engineering  
 Agriculture and Extension Education  
 Agronomy  
 Animal Science  
 Botany  
 Chemistry  
 Entomology  
 Horticulture  
 Math  
 Physics  
 Poultry Science

## METHODOLOGY APPENDIX C

**Select Major Organizations Which Publish in the Field of Tropical Agriculture and Agriculture in Developing Countries**

**Agricultural Cooperative Development International**  
1012 14th Street NW  
Washington, D.C.

**Agricultural Development Council, Inc.**  
630 Fifth Avenue  
N.Y., N.Y. 10020

**American Association for Vocational Instructional Materials (AAVIM)**  
120 Engineering Center  
Athens, Ga. 30602

**Asian Development Bank (ADB)**  
2330 Roxos Blvd.  
P.O. Box 789  
Passay City, Manila, Philippine

**Association for Tropical Biology**  
c/o Smithsonian Institution  
Washington, D.C. 20560

**Centre for Agricultural Publishing and Documentation (PUDOC)**  
P.O. Box 4  
6700 AA Wageningen, Netherlands

**Commonwealth Agricultural Bureaux (CAB)**  
Farnham Royal, England

**Food and Agriculture Organization of the United Nations (FAO)**  
via delle terme di caracalla  
00100 Rome, Italy

**International Centre for Tropical Agriculture (CIAT)**  
P.O. Box 67-13  
Cali, Colombia

**International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)**  
1-11-256  
Hyderabad 500016, India

**International Development Research Centre (IDRC)**  
Ottawa, Canada

**International Fertilizer Development Center (IFDC)**  
P.O. Box 2040  
Muscle Shoals, Ala. 35660

**International Food Policy Research Institute (IFPRI)**  
1776 Massachusetts Avenue, NW  
Washington, D.C.

International Institute of Tropical Agriculture (IITA)  
Oyo Rd.  
PMB 5320  
Ibadan, Nigeria

International Maize and Wheat Improvement Center (CIMMYT)  
Londres 40 Piso 1 Z.P. 6  
Mexico City, DF  
Mexico

International Monetary Fund (IMF)  
700 19th Street, NW  
Washington, D.C.

International Rice Research Institute (IRRI)  
University of the Philippines at Los Banos  
Laguna, Philippines

International Society of Tropical Foresters (ISTF)  
c/o Society of American Foresters  
5400 Grosvenor Lane  
Washington, D.C.

National Academy of Sciences (NAS)  
2101 Constitution Avenue, NW  
Washington, D.C.

Organization for Economic Cooperation and Development (OECD)  
2, rue Andre-Pascal  
75775 Paris, France

Southeast Asian Regional Center for Graduate Study and Research in Agriculture  
University of the Philippines at Los Banos  
Laguna, Philippines (SEARCA)

Stanford University  
Food Research Institute  
Stanford, CA 94305

Texas A & M University  
Institute of Tropical Veterinary Medicine  
College Station, TX 77843

Tropical Agricultural Research and Training Center (CATIE)  
Turrialba, Costa Rica

Tropical Pesticides Research Institute (TPRI)  
P.O. Box 3024  
Arusha, Tanzania

University of California at Riverside  
Citrus Research Center and Agricultural Experiment Station  
1140 Batchelor Hall  
Riverside, CA 92521

University of Florida  
Center for Tropical Agriculture  
International Programs Office  
20001 McCarty Hall  
Gainesville, Florida 32611

University of Hawaii  
Hawaii Agricultural Experiment Station  
Honolulu, Hawaii 96822

University of Puerto Rico  
Agricultural Experiment Station  
Rio Piedras, Puerto Rico 00928

World Bank  
1818 H Street, NW  
Washington, D.C.

**RECOMMENDATIONS**

After the titles have been selected by the Philippine universities, the next phase of this project should be the purchasing, processing, cataloging and making the books shelf-ready for the Philippine universities. The handling of this material should be done in a timely manner. The purchasing, processing, cataloging and shipping of the books along with their cataloging record should be accomplished as quickly as possible.

A contractor should be selected who has experience in the procurement of materials both domestically and with international organizations and has experience in the handling and shipping of library materials overseas. The contractor should also be able to provide complete cataloging and classification in accordance with the standards used by the Library of Congress. This includes knowledge and application of the Anglo-American Cataloging Rules and the International Standard Book Descriptions.

A number of consulting firms may have all these capabilities.

Among these are the following:

Booz-Allen and Hamilton, Inc.  
Bethesda, Maryland

Costabile Associates, Inc.  
Bethesda, Maryland

Franklin Institute  
Philadelphia, Pa.

Informatics, Inc.  
Rockville, Maryland

# **AGRICULTURAL EDUCATION OUTREACH PROJECT**

## **INDEX OF MONOGRAPHIC WORKS BY AUTHOR AND TITLE**

Costabile Associates, Inc.  
July 1981

INDEX - MONOGRAPHS LISTED BY AUTHOR, TITLE, SUBJECT CATEGORY

- ARC Weed Research Organization. Proceedings of the 1980 British weed control conference. Soil Science
- Abbott, J. C. Marketing fruit and vegetables. Agricultural Economics
- Abbott, J. C. Marketing problems and improvement programs. Agricultural Economics
- Abbott, J. C. [and others]. Rice marketing. Agricultural Economics
- Abbott, J. C.; Creupelandt, H. C. Agricultural marketing boards: their establishment and operation. Agricultural Economics
- Abbott, J. C.; Mekeham, J. P. Agricultural economics and marketing in the tropics. Agricultural Economics
- Ables, H. A.; Collado, G. M. Toward rationalizing higher education in agriculture and related professions. Agricultural Education
- Abrahamsen, M. Cooperative business enterprise. Agricultural Economics
- Acker, Duane. Animal science and industry. Animal Science
- Adriance, Guy W.; Brison, F. R. Propagation of horticultural plants. Horticulture
- Agency for International Development. Proceedings of the USAID Asia Bureau conference on energy, forestry, and environment. Forestry
- Agricultural Research Council Working Party. Nutrient requirements of ruminant livestock. Animal Science
- Agricultural Research Council. Nutrient requirements of farm livestock, no. 1 poultry. Animal Science
- Ainsworth, Geoffry C. Fungal diseases of animals. Veterinary Science
- Akobundu, I. O., ed. Weeds and their control in the humid and sub-humid tropics. Soil Science
- Aldrich, Samuel. Modern corn production. Plant Science
- Alexander, Gordon; Alexander, Douglas G. Outline of general biology. Biology
- Alexander, M. Introduction to soil microbiology. Soil Science
- Alexopoulos, Constantine J.; Mims, C. W. Introductory mycology. Botany

- Allan, W. H. [and others]. Newcastle disease vaccines - their production and use. Animal Science
- Allard, Robert W. Principles of plant breeding. Plant Science
- Alvim, Paulo deT. Ecophysiology of tropical crops. Plant Science
- American Association of Agriculture College Editors. Communications handbook. Agricultural Education
- American Forage and Grassland Council. New developments in forages. Plant Science
- American Phytopathological Society. Sourcebook of laboratory exercises in plant pathology. Entomology/Plant Pathology
- American Society of Agronomy. Diversity of soils in the tropics. Soil Science
- Anderson, Arthur L.; Kiser, James J. Introductory animal science. Animal Science
- Anderson, Roger F. Forest and shade tree entomology. Entomology/Plant Pathology
- Anderson, Wood P. Weed science: principles. Soil Science
- Andreae, Bernd. Economics of tropical agriculture. Agricultural Economics
- Andrew, C. D.; Kamprath, E. J., eds. Mineral nutrition of legumes in tropical and subtropical soils. Plant Science
- Anochili, B. C. Food crop production. Plant Science
- Araullo, E. V. [and others], eds. Rice: postharvest technology. Plant science-rice
- Arndt, Thomas M. [and others]. Resource allocation and productivity in national and international agricultural research. Agricultural Economics
- Asher, C. J. [and others]. Nutritional disorders of cassava. Plant science-cassava
- Asian Center for Educational Innovation for Development. Preparing teachers for education in rural development - a handbook. Agricultural Education
- Asian Productivity Organization. Fertilizer distribution in selected Asian countries. Soil Science
- Aten, A. [and others]. Flaying and curing of hides and skins as a rural industry. Animal Science

- Atkins, Maurice. Grass waterways in soil conservation (L477). Soil Science
- Atkins, Michael D. Insects in perspective. Entomology/Plant Pathology
- Axinn, George H. New strategies for rural development. Agriculture
- Ayanaba, A.; Dart, P. J., eds. Biological nitrogen fixation in farming systems of the tropics. Plant Science
- Banks, Stuart. Complete handbook of poultry keeping. Animal Science
- Bardach, John E. [and others]. Aquaculture: the farming and husbandry of freshwater and marine organisms. Animal Science
- Barnard, C. S.; Nix, J. S. Farm planning and control. Farm management
- Barnes, Arthur C. Sugar cane. Plant Science
- Barry, Peter [and others]. Financial management in agriculture. Agricultural Economics
- Bath, Donald [and others]. Dairy cattle - principles, practices, problems, profits. Animal Science
- Batschelet, E. Introduction to mathematics for life scientists. Mathematics
- Bear, W. Forrest; Hoerner, Thomas A. Planning, organizing and teaching agricultural mechanics. Agricultural Education
- Beard, James B. Turfgrass science and culture. Plant Science
- Bearden, H. Joe; Fuquay, John W. Applied animal reproduction. Animal Science
- Belanger, Jerome. Raising milk goats the modern way. Animal Science
- Belanger, Jerome. Raising small livestock. Animal Science
- Belanger, Jerome. Raising the homestead hog. Animal Science
- Bellotti, A.; Schoonhoven, A. van. Cassava pests and their control. Entomology/Plant Pathology
- Bene, J. G. [and others]. Trees, food, and people: land management in the tropics. Agriculture
- Benge, Michael D. Plan of action for AID tropical forestry/deforestation/reforestation. Forestry

- Bengtsson, B.; Getachew, T., eds. Strengthening national agricultural research. Agriculture
- Bennett, Hugh H. Soil conservation. Soil Science
- Bennett, Robert. Raising rabbits the modern way. Animal Science
- Benson, Lyman. Plant classification. Botany
- Berg, R. T.; Butterfield, R. M. New concepts of cattle growing. Animal Science
- Berninger, Louis. Profitable garden center management. Horticulture
- Berry, R. A.; Cline, W. R. Agrarian structure and productivity in developing countries. Agriculture
- Best, R. Cassava drying. Plant science-cassava
- Eidwell, Roger G. Plant physiology. Botany
- Biester, H. E.; Schwarte, L. H. Diseases of poultry. Animal Science
- Binswanger, H. P. Economics of tractors in South Asia. Agricultural Economics
- Binswanger, Hans P. [and others]. Induced innovation: technology, institutions and development. Agricultural Economics
- Bird, J.; Maramorosch, K., eds. Tropical diseases of legumes. Entomology/Plant Pathology
- Biswis, Margaret R.; Biswis, Asit K. Food, climate, and man. Agriculture
- Black, C. A., ed. Methods of soil analysis, part 1. Soil Science
- Blakely, James. Science of animal husbandry. Animal Science
- Blakely, James; Bade, David H. Science of animal husbandry; instructor's manual. Animal Science
- Bleasdale, J. K. A. Plant physiology in relation to horticulture. Horticulture
- Bogdan, A. V. Tropical pasture and fodder crops. Plant Science
- Boggs, Donald L.; Merkel, Robert A. Live animal carcass evaluation and selection manual. Animal Science
- Bohn, Heinrich [and others]. Soil chemistry. Soil Science
- Bold, Harold C. Morphology of plants and fungi. Botany

- Boodley, J. W. Commercial greenhouse. Horticulture
- Booher, L. J. Surface irrigation. Soil Science
- Boone, Lester V. [and others]. Producing farm crops. Plant Science
- Bose, John. Legume/rhizobium symbiosis in tropical agriculture. Plant Science
- Botham, C. N. Audio-visual aids for cooperative education and training. Agricultural Education
- Bottle, R. T., ed. Use of chemical literature. Chemistry
- Bowman, John C. Introduction to animal breeding. Animal Science
- Boyd, James S. Practical farm buildings. Agricultural Engineering
- Bradfield, D. J. Guide to extension training. Agricultural Education
- Brady, Nyle C. Nature and properties of soil. Soil Science
- Braham, J. E.; Bressani, R., eds. Coffee pulp: composition, technology, and utilization. Plant Science
- Breimier, Harold. Economics of the product marketings of agriculture. Agricultural Economics
- Brickbauer, Elwood A. Approved practices in crop production. Plant Science
- Briggs, Fred N.; Knowles, P. F. Introduction to plant breeding. Plant Science
- Briggs, Hilton. Modern breeds of livestock. Animal Science
- Brooker, Donald B. Drying cereal grains. Plant Science
- Brower, James E.; Zar, Jerrold H. Field and laboratory methods for general ecology. Botany
- Brown, E. Evan. Fish farming handbook. Biology
- Brown, E. Evan. World fish farming: cultivation and economics. Biology
- Brown, Maxwell L. Farm budgets: from farm income analysis to agricultural project analysis. Farm management
- Brown, Maxwell L. Philippine livestock exercise. Animal Science
- Brown, William H. Introduction to organic chemistry. Chemistry

- Buchanan, Robert E.; Gibbons, Norman E. Bergey's manual of determinative bacteriology. Plant Science
- Buckett, M. Introduction to farm organization and management. Farm management
- Buckett, M. Introduction to livestock husbandry. Animal Science
- Bundy, Clarence. Livestock and poultry production. Animal Science
- Bunting, E. S. [and others]. Forage maize. Plant Science
- Buol, S. W. [and others]. Soil genesis and classification. Soil Science
- Burger, D. Seedlings of some tropical trees and shrubs mainly of south east Asia. Forestry
- Buringh, P. Introduction to the study of soils in tropical and subtropical regions. Soil Science
- Burk, Marguerite C. Analysis of food consumption survey data for developing countries. Agriculture
- Cahn, Robert S.; Dermer, O. C. Introduction to chemical nomenclature. Chemistry
- Campbell, John R.; Lasley, John F. Science of animals that serve mankind. Animal Science
- Campbell, John R.; Marshall, Robert T. Science of providing milk for man. Animal Science
- Campbell, Keith O. Food for the future. Agriculture
- Carlson, Peter S. Biology of crop productivity. Plant Science
- Cassard, Daniel W. Approved practices in feeds and feeding. Animal Science
- Castle, Emery N. [and others]. Farm business management: the decision making process. Farm management
- Centre for Overseas Pest Research. Implications of pesticide use for tropical freshwater and terrestrial ecosystems. Entomology/Plant Pathology
- Centro Internacional de Agricultura Tropical. Cassava production manual. Plant science-cassava
- Centro Internacional de Agricultura Tropical. Proceedings of the cassava protection workshop. Plant science-cassava

- Chakroff, Marilyn S. Draft environmental report on the Philippines. Agriculture
- Champ, B. R.; Dyte, C. E. Report of the FAO global survey of pesticide susceptibility of stored grain pests. Entomology/Plant Pathology
- Chandler, Robert F., Jr. Rice in the tropics: a guide to the development of national programs. Plant science-rice
- Chang, C. W. Increasing food production through education, research and extension. Agricultural Education
- Chang, Ching-hu. Climate and agriculture; an ecological survey. Agriculture
- Chang, Ching-hu. Problems and methods in agricultural climatology. Agriculture
- Chapman, Stephen; Carter, Lark P. Crop production: principles and practices. Plant Science
- Chessmore, Roy A. Profitable pasture management. Soil Science
- Chiarappa, L., ed. Crop loss assessment methods-FAO manual on the evaluation and prevention of losses by pests, diseases and weeds. Plant Science
- Child, Reginald. Coconuts. Plant Science
- Childers, Norman F. Modern fruit science: orchard and small fruit culture. Horticulture
- Chowdhury, K. A., ed. Recent advances in the anatomy of tropical seed plants. Plant Science
- Chrispeels, Maarten; Sadava, David. Plants, food, and people. Agriculture
- Christopher, Everett P. Introductory horticulture. Horticulture
- Church, D. C. Livestock feeds and feeding. Animal Science
- Church, D. C.; Pond, W. G. Basic animal nutrition and feeding. Animal Science
- Cobley, Leslie S. Introduction to the botany of tropical crops. Botany
- Cock, James [and others], eds. Proceedings of the fourth symposium of the International Society for Tropical Root Crops. Plant Science
- Cockrill, W. R. Husbandry and health of the domestic buffalo. Animal Science

- Coghlan, Richard. Landscape gardening in the tropics. Horticulture
- Cole, Harold H. Introduction to livestock production, including dairy and poultry. Animal Science
- Cole, Harold H.; Garrett, William N., eds. Animal agriculture. Animal Science
- Colinvaux, Paul A. Introduction to ecology. Biology
- Colwell, J. D. Computations for studies of soil fertility and fertilizer requirements. Soil Science
- Comanor, William; Wilson, Thomas. Advertising and market power. Agricultural Economics
- Commonwealth Agricultural Bureaux. Perspectives in world agriculture. Agriculture
- Connor, Larry [and others]. Managing the farm business. Farm management
- Cook, Allyn Austin. Diseases of tropical and subtropical fruits and nuts. Entomology/Plant Pathology
- Cook, Allyn Austin. Diseases of tropical and subtropical vegetables and other plants. Entomology/Plant Pathology
- Cooke, George W. Fertilizing for maximum yield. Soil Science
- Copeland, Lawrence O. Principles of seed science and technology. Plant Science
- Coppel, Harry C.; Mertins, James W. Biological insect pest suppression. Entomology/Plant Pathology
- Corbin, Frederick T., ed. World soybean research conference, 1979. Plant Science
- Cottral, George E., ed. Manual of standardized methods for veterinary microbiology. Veterinary Science
- Coward, E. Walter, Jr., ed. Irrigation and agricultural development in Asia. Soil Science
- Cowell, R., ed. First international mungbean symposium. Plant Science
- Cox, George W. Laboratory manual of general ecology. Biology
- Crafts, Alden S. Modern weed control. Soil Science

- Crampton, E. W.; Harris, L. E. Applied animal nutrition: the use of feedstuffs in the formulation of livestock rations. Animal Science
- Crops Research Workshop. Workshop on national priorities in Philippine agriculture. Agriculture
- Crotty, R. Cattle, economics and development. Agricultural Economics
- Crouse, William. Automotive mechanics. Agricultural Engineering
- Cullison, Arthur. Feeds and feeding. Animal Science
- Cunha, Tony J. Swine feeding and nutrition. Animal Science
- Cutter, Elizabeth G. Plant anatomy. Botany
- Dadant & Sons, eds. Hive and the honeybee. Entomology/Plant Pathology
- Dahl, Dale C.; Hammond, Jerome W. Market & price analysis - the agricultural industries. Agricultural Economics
- Dahlberg, Kenneth A. Beyond the green revolution; the ecology and politics of global agricultural development. Agriculture
- Dalisay, Amando M. Agricultural and rural development in the Philippines (post-war period). Agriculture
- Daly, Howell V. [and others]. Introduction to insect biology and diversity. Entomology/Plant Pathology
- Davidson, Harold; Mecklenburg, Roy. Nursery management: administration and culture. Horticulture
- Davidson, Ralph H.; Lyon, William F. Insect pests of farm, garden and orchard. Entomology/Plant Pathology
- Davis, Bernard D. [and others]. Microbiology. Veterinary Science
- Davis, Richard F. Modern dairy cattle management. Animal Science
- Day, Peter R., ed. Genetic basis of epidemics in agriculture. Plant Science
- Dayao, Benefa M., ed. Livestock production in the tropics: a preliminary annotated bibliography of South and Southeast Asian literature (1966-1976). Animal Science
- DeBach, Paul. Biological control by natural enemies. Entomology/Plant Pathology
- Dean, C. Gordon. Red ring disease of cocos nucifera L. (annotated bibliography). Entomology/Plant Pathology

Deere & Co. Fundamentals of machine operation (series). Agricultural Engineering

Dent, John B.; Anderson, J. R. Systems analysis in agriculture management. Agricultural Economics

Devendra, C.; Burns, M. Goat production in the tropics. Animal Science

Devendra, C.; Fuller, M. Pig production in the tropics. Animal Science

Diamante, Teresa D. Analysis of crop shifting and farm practices of LAS sample farmers in the Philippines. Soil Science

Dicke, Robert. Insect morphology laboratory manual. Entomology/Plant Pathology

Digby, Margaret; Gretton, R. Agricultural cooperative marketing. Agricultural Economics

Dillon, J. L. Analysis of response in crop and livestock production. Agricultural Economics

Dillon, John L.; Hardaker, J. Brian. Farm management research for small farmer development. Farm management

Dingle, H., ed. Evolution of insect migration and diapause. Entomology/Plant Pathology

Dixon, J. B. [and others], eds. Minerals in soil environments. Soil Science

Doane Agricultural Service. Doane farm management guide. Farm management

Doggett, Hugh. Sorghum. Plant Science

Doll, J. D.; Piedrahita, W. Methods of weed control in cassava. Soil Science

Doll, John P.; Orazem, Frank. Production economics--theory with application. Agricultural Economics

Donahue, Roy L. Soils: an introduction to soils and plant growth. Soil Science

Donald, Gordon. Credit for small farmers in developing countries. Agricultural Economics

Dorfman, Robert, ed. Economics of the environment. Agricultural Economics

Dorfman, Robert. Prices and markets. Agricultural Economics

- Dorland, W. A. Newman. Illustrated medical dictionary. Veterinary Science
- Dorner, Peter, ed. Cooperative and commune: group farming in the economic development of agriculture. Agricultural Economics
- Douglas, J. Sholto. Forest farming: towards a solution to problems of world hunger and conservation. Forestry
- Douglas, J. Sholto. Hydroponics: the bengal system; with notes on other methods of soilless cultivation. Soil Science
- Downey, W.; Trocke, J. Agribusiness management. Agricultural Economics
- Dowson, V. H. W.; Aten, A. Dates: handling, processing and packing. Plant Science
- Drawbaugh, Charles C.; Hull, William L. Agricultural education: approaches to learning and teaching. Agricultural Education
- Droozan, Irving; Wooten, William. Elementary algebra for college students. Mathematics
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U. S. Department of Agriculture. Foundations for farm buildings (F1869). Agricultural Engineering

U. S. Department of Agriculture. Guidelines co-op employees need (CIR18). Agricultural Economics

U. S. Department of Agriculture. Guidlines to co-op bookkeeping (CIR20). Agricultural Economics

U. S. Department of Agriculture. Hog feeder, plan no. 6144 (M1302). Agricultural Engineering

U. S. Department of Agriculture. Horizontal silo, tilt-up below grade, plan no. 6175 (M1335). Agricultural Engineering

U. S. Department of Agriculture. Horse barn-10 stall, plan no. 6170 (M1328). Agricultural Engineering

U. S. Department of Agriculture. Housing and equipment for sheep (F2242). Animal Science

U. S. Department of Agriculture. How to build and install curtain walls as partitions (M1229). Agricultural Engineering

U. S. Department of Agriculture. How to start a cooperative (CIR7). Agricultural Economics

U. S. Department of Agriculture. Identification and control of honey bee diseases (F2255). Entomology/Plant Pathology

U. S. Department of Agriculture. Indices of agricultural production in Asia and Oceania, average 1961-65 and annual 1969-78 (SB619). Agriculture

U. S. Department of Agriculture. Insect control in farm-stored grain (F2269). Entomology/Plant Pathology

U. S. Department of Agriculture. Insect pollination of cultivated crop plants (AH496). Entomology/Plant Pathology

U. S. Department of Agriculture. Inspecting and cleaning subsurface drain systems (F2258). Agricultural Engineering

U. S. Department of Agriculture. International food policy issues, a proceedings (FAER 143). Agriculture

U. S. Department of Agriculture. Lamb slaughtering, cutting, preserving, and cooking on the farm (F2264). Animal Science

U. S. Department of Agriculture. Livestock and derived feed demand in the world GOL model (FAER 152). Agriculture

U. S. Department of Agriculture. Local cooperatives in integrated pest management (RES REPT 37). Agricultural Economics

U. S. Department of Agriculture. Machinery shed with living quarters, plan no. 5841 (M774). Agricultural Engineering

U. S. Department of Agriculture. Marketing alternatives for sheep and lamb producers (MRR1081). Agricultural Economics

U. S. Department of Agriculture. Marketing operations of dairy cooperatives (RES REPT 38). Agricultural Economics

U. S. Department of Agriculture. Midsize local farm supply cooperatives (RES REP 45). Agricultural Economics

U. S. Department of Agriculture. Motortrucks operated by farmer cooperatives (RES REP 47). Agricultural Economics

U. S. Department of Agriculture. Nosema disease: its control in honey bee colonies (T1569). Entomology/Plant Pathology

U. S. Department of Agriculture. Organizing and conducting cooperatives annual meeting (CIR21). Agricultural Economics

U. S. Department of Agriculture. Part slat feeding floor, 200 pigs, plan no. 6169 (M1331). Agricultural Engineering

U. S. Department of Agriculture. Performance and economic feasibility of solar grain drying systems (AER396). Agricultural Engineering

U. S. Department of Agriculture. Performance of floor slabs made from wood and wood products (T1543). Agricultural Engineering

U. S. Department of Agriculture. Plumbing for the home and farmstead (F2213). Agricultural Engineering

U. S. Department of Agriculture. Pork slaughtering, cutting, preserving, and cooking on the farm (F2265). Animal Science

U. S. Department of Agriculture. Portable shade for hogs, plan no. 5947 (M975). Agricultural Engineering

U. S. Department of Agriculture. Portable stable for a horse (M1188). Agricultural Engineering

U. S. Department of Agriculture. Preventing and controlling internal parasites of hogs (F2240). Animal Science

U. S. Department of Agriculture. Raising a few cattle for beef (L542). Animal Science

U. S. Department of Agriculture. Raising a small flock of sheep (F2222). Animal Science

U. S. Department of Agriculture. Raising livestock on small farms (F2224). Animal Science

U. S. Department of Agriculture. Replenishing underground water supplies on the farm (L452). Agricultural Engineering

U. S. Department of Agriculture. Riceland foods - an innovative co-op in the international market (INF101). Agricultural Economics

U. S. Department of Agriculture. Roofing farm buildings (F2170). Agricultural Engineering

U. S. Department of Agriculture. Rope on the farm (F2130). Agricultural Engineering

U. S. Department of Agriculture. Selecting and operating commercial beekeeping equipment (F2267). Entomology/Plant Pathology

U. S. Department of Agriculture. Shade and water for the honey bee colony (L530). Entomology/Plant Pathology

U. S. Department of Agriculture. Simple plumbing repairs for the home and farmstead (F2202). Agricultural Engineering

U. S. Department of Agriculture. Small fresh fruit and vegetable cooperative operations (FCS INFO 106). Agricultural Economics

U. S. Department of Agriculture. Small poultry flocks (F2262). Animal Science

U. S. Department of Agriculture. Solar heating for milking parlors (F2266). Agricultural Engineering

U. S. Department of Agriculture. Storage building for fruits, plan no. 6145 (M1309). Agricultural Engineering

- U. S. Department of Agriculture. Storage sheds, plans no. 6086 and 6093 (M1192). Agricultural Engineering
- U. S. Department of Agriculture. Stored-grain insects (AH500). Entomology/Plant Pathology
- U. S. Department of Agriculture. Sugarbeet insects...how to control them (F2219). Entomology/Plant Pathology
- U. S. Department of Agriculture. Supplemental feeding of honey bee colonies (AB413). Entomology/Plant Pathology
- U. S. Department of Agriculture. Swine building, finishing floor, plan no. 6159 (M1324). Agricultural Engineering
- U. S. Department of Agriculture. Tilting table for handling calves, wood frame, plan no. 5962 (M990). Animal Science
- U. S. Department of Agriculture. Toxicity of 45 organic herbicides to cattle, sheep, and chickens (PRR137). Animal Science
- U. S. Department of Agriculture. Treating farmstead and rural home water systems (F2248). Agricultural Engineering
- U. S. Department of Agriculture. Tropical yams and their potential (AH538). Plant Science
- U. S. Department of Agriculture. Tuberculosis in livestock: cattle, poultry, swine (L505). Animal Science
- U. S. Department of Agriculture. Types, futures, and legal foundations of farmer cooperatives (CKR 1 Sec 1). Agricultural Economics
- U. S. Department of Agriculture. Use chemicals safely in the production of beef cattle, swine, sheep (PA727). Animal Science
- U. S. Department of Agriculture. Use of concrete on the farm (F2203). Agricultural Engineering
- U. S. Department of Agriculture. Using honey bees to pollinate crops (L549). Entomology/Plant Pathology
- U. S. Department of Agriculture. Voting systems in agricultural cooperatives (CRR2). Agricultural Economics
- U. S. Department of Agriculture. What are cooperatives? (CIR11). Agricultural Economics
- U. S. Department of Agriculture. What you can do about bovine mastitis (F2253). Animal Science
- U. S. Department of Agriculture. World food situation and prospects to 1985 (FAER 98). Agriculture

U. S. Department of Agriculture. Yam production methods (PRR147).  
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with variable charge clays. Soil Science

Ulmer, Donald E.; Juergenson, Elmwood W. Approved practices in  
raising and handling horses. Animal Science

Underwood, E. J. Mineral nutrition of livestock. Animal Science

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change. Agriculture

United Nations Environmental Program. Tropical woodlands and forest  
ecosystems. Forestry

United Nations, Centre for Regional Development. Philippines: an  
annotated bibliography on regional development. Agriculture

United Nations. Developing instructional modules for teacher  
education - selected exemplar modules. Agricultural Education

United Nations. Tropical forest ecosystems. Forestry

University of Florida Center for Tropical Agriculture. Adaptation of  
crops to tropical climates. Plant Science

University of Florida Center for Tropical Agriculture. Contrasting  
effects of lime on temperate and tropical soils and crops  
production. Soil Science

University of Florida Center for Tropical Agriculture. Fertilizers  
and use in the tropics. Soil Science

University of Florida Center for Tropical Agriculture. Legumes in  
tropical agriculture. Plant Science

University of Florida Center for Tropical Agriculture. Production of  
sugar cane. Plant Science

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crops. Plant Science

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- Ware, George W. Pesticide book. Entomology/Plant Pathology
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- Warwick, Everett J.; Legates, James E. Breeding and improvement of farm animals. Animal Science
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- Welsch, Glenn A.; Anthony, Robert N. Study guide for use with fundamentals of financial accounting. Agricultural Economics
- Welsch, Glenn A.; Anthony, Robert N. Working papers for use with fundamentals of financial accounting. Agricultural Economics
- Whitaker, James H. Agricultural building and structures. Agricultural Engineering
- Whitson, M. E.; Elston, C. A. Basic agricultural mathematics. Mathematics
- Whittaker, Robert H. Communities and ecosystems. Botany
- Whittemore, C. T.; Elsley, F. W. H. Practical pig nutrition. Animal Science
- Whyte, R. O. [and others]. Grasses in agriculture. Plant Science

- Whyte, Robert O. Tropical grazing lands. Plant Science
- Wierer, Karl; Abbott, John. Fertilizer marketing. Agricultural Economics
- Wijewardene, Ray. Appropriate technology in tropical farming systems. Tropical Agriculture
- Wilcox, C. J.; Van Horn, H. H., eds. Large dairy herd management. Animal Science
- Williams, C. N. Agronomy of the major tropical crops. Tropical Agriculture
- Williamson, Grahame; Payne, W. J. A. Introduction to animal husbandry in the tropics. Animal Science
- Wilsie, Carroll P. Crop adaptation and distribution. Plant Science
- Wilson, J. A. Principles of animal physiology. Veterinary Science
- Wilson, J. E. Careful storage of yams: some basic principles to reduce loss. Plant Science
- Wilson, John R. Plant relations in pastures. Plant Science
- Wing, James M. Dairy cattle management: principles and applications. Animal Science
- Winkler, A. J. [and others]. General viticulture. Plant Science
- Wischmeier, Walter. Predicting rainfall erosion losses: a guide to conservation planning (AH537). Soil Science
- Wisidagama, C. L. [and others]. Production and marketing of bovine animals in selected Asian countries. Animal Science
- Wit, Cornelius T. [and others]. Simulation of assimilation respiration and transpiration of crops. Plant Science
- Wolfe, T. K.; Kipps, M. S. Production of field crops: a textbook of agronomy. Plant Science
- Wood, G. A. R. Cocoa. Plant Science
- Wood, W. B. [and others]. Biochemistry: a problems approach. Biochemistry
- Woodroof, J. G. Tree nuts: production, processing, products. Forestry
- Woodroof, Jasper G. Coconuts: production processing, products. Plant Science

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Wortman, Sterling; Cummings, Ralph W. To feed this world: the challenge and the strategy. Agriculture

Wrigley, Gordon. Tropical agriculture. Tropical Agriculture

Wyman, Donald, ed. Wyman's gardening encyclopedia. Horticulture

Xuan, Vo-tong; Ross, Vernon E. Training manual for rice production. Plant science-rice

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Yoshida, Shouichi [and others]. Laboratory manual for physiological studies of rice. Plant science-rice

Yotopoulos, Pam A.; Nugent, Jeffrey B. Economics of development: empirical investigations. Agricultural Economics

Young, Anthony. Tropical soils and soil survey. Soil Science

Young, Robert J. [and others]. Nutrition of the chicken. Animal Science

Zadoks, Jan C.; Schein, Richard D. Epidemiology and plant disease management. Entomology/Plant Pathology

Zarkovich, S. S. Quality of statistical data. Agricultural Economics

Zemmelink, G. Effect of selective consumption on voluntary intake and digestibility of tropical forages. Animal Science

Zielinski, Quentin B. Modern systematic pomology. Horticulture

**AGRICULTURAL EDUCATION  
OUTREACH PROJECT**

**MONOGRAPHIC WORKS BY SUBJECT CATEGORY**

INDEX - MONOGRAPHS LISTED BY TITLE, AUTHOR, SUBJECT CATEGORY

1978 training for agriculture and rural development. Food and Agriculture Organization of the U.N. Agricultural Education

AGRIS forestry: world catalogue of information and documentation services. Food and Agriculture Organization of the U. N. Forestry

Abstract bibliography of researches in agriculture, forestry and fisheries in the Philippines, 1972-1977. Gibe, B. P. [and others]. Agriculture

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Adaptation of plants to water and high temperature stress. Turner, N. C.; Kramer, P. J. Plant Science

Adhesives in building construction (AH516). U. S. Department of Agriculture. Agricultural Engineering

Advances in legume science. Summerfield, R. J.; Bunting, A. H., eds. Plant Science

Advances in sugarbeet production. Johnson, Russell T. [and others]. Plant Science

Advertising and market power. Comanor, William; Wilson, Thomas. Agricultural Economics

Aerial photo interpretation in soil survey. Food and Agriculture Organization of the U.N. Soil Science

Africanized honey bee (AFS7-5-1). U. S. Department of Agriculture. Entomology/Plant Pathology

Agrarian reform as unfinished business: the selected papers of Wolf Ladejinsky. Walensky, Louis, ed. Agriculture

Agrarian structure and productivity in developing countries. Berry, R. A.; Cline, W. R. Agriculture

Agri-research and productivity. Evenson, Robert F. Agricultural Economics

Agribusiness management for developing countries. Goldberg, Ray A.; McGinitz, Richard C. Agricultural Economics

Agribusiness management. Downey, W.; Trocke, J. Agricultural Economics

Agricultural and food chemistry: past, present, future. Teranishi, Roy. Agriculture

14

Agricultural and rural development in the Philippines (post-war period). Dalisay, Amando M. Agriculture

Agricultural building and structures. Whitaker, James H. Agricultural Engineering

Agricultural chemicals. Thomson, W. T. Entomology/Plant Pathology

Agricultural cooperative marketing. Digby, Margaret; Gretton, R. Agricultural Economics

Agricultural development and economic growth. Southworth, H. M.; Johnston, B. F., eds. Agricultural Economics

Agricultural development; an international perspective. Hayami, Y. [and others]. Agricultural Economics

Agricultural economics and marketing in the tropics. Abbott, J. C.; Mekeham, J. P. Agricultural Economics

Agricultural education: approaches to learning and teaching. Drawbaugh, Charles C.; Hull, William L. Agricultural Education

Agricultural energetics. Fluck, Richard C. Agriculture

Agricultural extension: a reference manual. Maunder, Addison H. Agricultural Education

Agricultural finance - an introduction to micro and macro concepts. Penson, John B., Jr.; Lins, David A. Agricultural Economics

Agricultural finance. Lee, Warren F. [and others]. Agricultural Economics

Agricultural growth in Japan, Taiwan, Korea and the Philippines. Hayami, Y. [and others], eds. Agricultural Economics

Agricultural insect pests of the tropics and their control. Hill, Dennis S. Entomology/Plant Pathology

Agricultural marketing boards: their establishment and operation. Abbott, J. C.; Creupelandt, H. C. Agricultural Economics

Agricultural marketing system. Rhodes, V. James. Agricultural Economics

Agricultural marketing: systems, coordination, cash and future prices. Purcell, Wayne D. Agricultural Economics

Agricultural process engineering. Henderson, S. M. Agricultural Engineering

- Agricultural product prices. Tomek, W.; Robinson, K. Agricultural Economics
- Agricultural research and productivity. Evenson, Robert E.; Kislev, Yaav. Agricultural Education
- Agricultural residues: quantitative survey. Kapsiotis, George D. Entomology/Plant Pathology
- Agricultural statistics. Idaikkadar, N. M. Agricultural Economics
- Agricultural systems of the world. Grigg, D. B. Agriculture
- Agricultural wiring handbook. Food and Energy Council. Agricultural Engineering
- Agriculture in development theory. Reynolds, Lloyd, ed. Agriculture
- Agriculture in the third world; a spatial analysis. Morgan, William B. Agriculture
- Agriculture in the tropics. Webster, Cyril C. Tropical Agriculture
- Agroclimatic map of the Philippines. International Rice Research Institute. Agriculture
- Agronomy - principles and practices. Green, Detroy. Soil Science
- Agronomy of the major tropical crops. Williams, C. N. Tropical Agriculture
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- Alternative futures for world food in 1985, volume 2 (FAER 149). U. S. Department of Agriculture. Agriculture
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- Analysis of food consumption survey data for developing countries. Burk, Marguerite C. Agriculture
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- Anatomy and physiology of farm animals. Frandson, R. D. Animal Science
- Anatomy of a peasant economy: a rice village in the Philippines. Hayami, Y. Agricultural Economics
- Anatomy of seed plants. Esau, Katherine. Botany
- Animal agriculture. Cole, Harold H.; Garrett, William N., eds. Animal Science
- Animal breeding plans. Lush, Jay L. Animal Science
- Animal by-products: processing and utilization. Mann, I. Animal Science
- Animal feeding and nutrition. Jurgens, Marshall H. Animal Science
- Animal genetics. Hutt, Frederick B. Animal Science
- Animal nutrition in tropics. Ranjhan, S. K. Animal Science
- Animal nutrition. Maynard, L. [and others]. Animal Science
- Animal nutrition. McDonald, P. [and others]. Animal Science
- Animal reproduction: principles and practices. Sorenson, Anton M., Jr. Animal Science
- Animal science and industry. Acker, Duane. Animal Science
- Animal science. Ensminger, M. Eugene. Animal Science
- Annotated bibliography of colour illustrated mineral deficiency symptoms in tropical crops. Robinson, J. B. D. Plant Science
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Approved practices in dairying. Juergenson, Elmwood M. Animal Science

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Approved practices in pasture management. McVickar, Malcolm H. Plant Science

Approved practices in raising and handling horses. Ulmer, Donald E.; Juergenson, Elmwood W. Animal Science

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Basic animal nutrition and feeding. Church, D. C.; Pond, W. G.  
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Engineering

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Engineering

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W., ed. Entomology/Plant Pathology

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others], eds. Veterinary Science

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Science

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others]. Animal Science

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81

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Chemical and biological methods for grain and forage sorghum. Guiragossian, Vartan Y [and others]. Biochemistry

Chemicals for crop protection and pest control. Green, Maurice [and others]. Entomology/Plant Pathology

Chemistry problems. Sienko, Michell J. Chemistry

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98

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100

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Tropical exports and economic development. Ingham, Barbara. Agricultural Economics

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Viticulture in tropics. International Society for Horticultural Science. Horticulture

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Wheat: botany, cultivation, and utilization. Peterson, Rudolph F. Plant Science

Windbreaks for conservation (AB339). Ferber, Arthur. Soil Science

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Workshop on national priorities in Philippine agriculture. Crops Research Workshop. Agriculture

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World coffee survey. Krug, C. A.; DePoerck, R. A. Plant Science

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World guide to tropical drift seeds and fruits. Gunn, Charles R. Plant Science

World soybean research conference, 1979. Corbin, Frederick T., ed. Plant Science

World's tropical forests...a report to the President. U. S. Interagency Task Force on Tropical Forests. Forestry

World's worst weeds. Holm, LeRoy G. [and others]. Soil Science

Writing scientific papers in English. O'Connor, Maeve; Woodford, F. Peter. Agricultural Education

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Wyman's gardening encyclopedia. Wyman, Donald, ed. Horticulture

Yam production methods (PRR147). U. S. Department of Agriculture. Plant Science

# **AGRICULTURAL EDUCATION OUTREACH PROJECT**

## **AGRICULTURE BOOKLIST**

**Costabile Associates, Inc.**  
**July 1981**

## FORMAT

The booklist has been arranged first by agricultural reference books, then agricultural periodicals, then agricultural subject categories synonymous with university agriculture departments. The list incorporates textbooks, technical books, reference books, periodicals, and workbooks/manuals/lab guides. All books will be listed in standard bibliographic format and will include: Author, title, place of publication, publisher, date of publication, number of pages, and price.

### Agricultural Reference Books

Included in this category will be basic science and agricultural reference sources including necessary reference sources from related disciplines.

### Agricultural Periodicals

The titles included are those necessary to keep college level agricultural students up to date for basic undergraduate level courses.

### Agricultural Subject Categories

#### Agricultural Economics

Includes: Agricultural credit; agrarian/land reform, agricultural prices, agricultural cooperatives

#### Agricultural Education

Includes: Agricultural journalism, communication, extension services

#### Agricultural Engineering

Includes: Agricultural machinery and mechanization, agricultural technology

#### Agriculture

Includes: General works on agriculture, state of the art reports, agricultural policy, agricultural development, and miscellaneous subjects related to agriculture

#### Agronomy See- Plant and/or Soil Science

#### Animal Science

Includes: Dairy science, feeds and feeding, livestock production, poultry science

#### Biochemistry

#### Biology

#### Botany

#### Chemistry

#### Entomology/Plant Pathology

Includes: Bees, pesticides and pest control

**Farm Management**

**Includes: Farm operations and administration, farm size, farm organizations**

**Forestry**

**Includes: Primarily tropical forestry, agriforestry**

**Horticulture and Fruit Production**

**Mathematics**

**Physics**

**Plant Science**

**Includes: Vegetable production, forage crops, grain crops, seed production**

**Plant Science - Cassava**

**Plant Science - Rice**

**Soil Science**

**Includes: Fertilizers, weed science, weed control, hydrology**

**Tropical Agriculture**

**Includes: General works on tropical agriculture, tropical crops**

**Veterinary Science**

# **AGRICULTURAL EDUCATION OUTREACH PROJECT**

## **REFERENCE BOOKS**

## REFERENCE WORKS

Abstracts. Abstracts on tropical agriculture. Amsterdam: Koninklijk Instituut voor de Tropen.

Agricultural Information Bank for Asia. Retrospective bibliography on agriculture in the Philippines, 1963-1975. Agricultural Information Bank for Asia.

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Freeman, Bob A. Burrows textbook of microbiology. Philadelphia: Saunders.

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**PERIODICALS**

## PERIODICALS

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Agricultural Economics Research. Washington, DC: USDA; quarterly.

Agricultural Mechanization in Asia. Tokyo, Japan: Farm Machinery Industrial Research Corp.; quarterly.

Agricultural Outlook. Washington, DC: USDA; monthly.

Agronomy Journal. Madison, WI: American Society of Agronomy; bimonthly.

Biotropica. Washington, DC: Association for Tropical Biology; frequency varies.

CMU Journal of Agriculture, Food, and Nutrition. Musuan, Philippines: Central Mindanao University; quarterly.

Ceres; the FAO Review on Development. Rome: FAO; bimonthly.

FAO Soils Bulletin. Rome: FAO; irregular.

Food and Nutrition. Rome: FAO; semi-annual.

Foreign Agriculture. Washington, DC: USDA; weekly.

Forest Ecology and Management. Amsterdam, Netherlands: Elsevier Scientific Publishing Co.; quarterly.

IRRI Reporter. Los Banos, Philippines: International Rice Research Institute; quarterly.

IRRI Research Highlights. Los Banos, Philippines: International Rice Research Institute; annual.

IRRI Research Papers. Los Banos, Philippines: International Rice Research Institute; irregular.

Journal of Agricultural Economics. Kent, England: Wye College; 3 times a year.

Journal of the Soil Science Society of America. Madison, WI: Soil Science Society of America; bimonthly.

Monthly Bulletin of Agricultural Economics and Statistics. Rome: FAO; monthly.

Philippine Agriculturist. Laguna, Philippines: University of the Philippines; quarterly.

Philippine Journal of Crop Science. Laguna, Philippines: University of the Philippines; quarterly.

Philippine Journal of Plant Industry. Manila, Philippines: Bureau of Plant Industry; quarterly.

Philippine Journal of Soils. Quezon City, Philippines: Dept. of Agriculture and Natural Resources; quarterly.

Plant Protection Bulletin. Rome: FAO; quarterly.

Poultry Digest. Mt. Morris, IL: Walt Publishing Co.; monthly.

Review of Plant Pathology. Farnham Royal, England: Commonwealth Agricultural Bureaux; monthly.

Soil Science and Plant Nutrition. Tokyo, Japan: Society of the Science of Soil and Manure; quarterly.

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Tropical Agriculture. Surrey, England: University of the West Indies, Imperial College of Tropical Agriculture; quarterly.

Tropical Animal Health and Production. London: Longmans Group; quarterly.

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**AGRICULTURAL EDUCATION  
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**MONOGRAPHIC WORKS**

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Arndt, Thomas M. [and others]. Resource allocation and productivity in national and international agricultural research. Minneapolis: University of Minnesota Press; 1977, \$27.50

Barry, Peter [and others]. Financial management in agriculture. Danville, IL: Interstate; 1979, 529 p.

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Comanor, William; Wilson, Thomas. Advertising and market power. Cambridge, MA: Harvard University Press; 1974, 257 p., \$14.00.

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186

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202

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