

REFERENCE BOOKS
IN THE PLANT PROTECTION SCIENCES

A COMPILATION

By

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For plant protection scientists to function effectively, a minimum quantity of appropriate library resources is essential. Reference books, together with local and international journals, comprise this basic library.

The list which follows itemizes selected reference books, published in English, which are considered an important part of a plant protection laboratory, particularly where the facility may be isolated from a major library. Titles of books which currently are out-of-print, or whose longevity is uncertain because of the printing of limited editions, have not been included. Others were omitted because English editions are not available, or because they deal with particular crops or pests on a regional basis only. Prices, though subject to change, are given for most entries.

The list is divided into five sections as follows:

- I. Entomology
- II. Plant Pathology
- III. Nematology
- IV. Weed Science
- V. Vertebrate Pests

Some two dozen U.S. plant protection scientists, all with agricultural experience in developing nations, have reviewed and commented on the entries given. Although unanimity of opinion was not achieved, this list nevertheless reflects a consensus of the majority and it is offered on that basis. These books may be obtained by placing an order for their purchase directly with their respective publishers, whose postal addresses are found following the book list.

It is the intention of the UC/AID Pest Management Project to revise and update this list from time to time and to develop specialized lists that cover specific crops or world regions. Comments or suggestions for future listings are most earnestly solicited. These may be directed to:

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I. ENTOMOLOGY

- Andrewartha, Herbert George. 1971. Introduction to the Study of Animal Populations. 2nd edition. University of Chicago Press, Chicago. 283 pp. \$7.50.
- Borror, Donald Joyce and Dwight Moore DeLong. 1971. An Introduction to the Study of Insects. 3rd edition. Holt, Rinehart, & Winston, New York. 812 pp. \$17.50.
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- Carter, Walter. 1962. Insects in Relation to Plant Disease. Interscience Publishers, New York. 705 pp. \$29.95. (2nd edition in press).
- Carthy, John Dennis. 1965. The Behaviour of Arthropods. Oliver & Boyd, Edinburgh. 148 pp. cloth £1.25, paper \$0.75.
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- DeBach, Paul Hevener, editor. 1964. Biological Control of Insect Pests and Weeds. Reinhold Pub. Co., New York. 844 pp. \$25.00.
- Dethier, Vincent Gaston and Eliot Stellar. 1970. Animal Behavior. 3rd edition. Prentice-Hall, Englewood Cliffs, N.J. 152 pp. cloth \$6.95. paper \$3.25.
- Gilmour, Darcy. 1965. The Metabolism of Insects. W. H. Freeman & Co., San Francisco. 195 pp. paper \$2.50.
- Imms, Augustus Daniel. 1960. A General Textbook of Entomology, Including the Anatomy, Physiology, Development and Classification of Insects. 9th edition. E. P. Dutton, New York. 886 pp. \$16.50.
- Little, Van Allen. 1972. General and Applied Entomology. 3rd edition. Harper & Row, New York. 527 pp. \$13.95.
- Mallis, Arnold. 1969. Handbook of Pest Control; The Behavior, Life History and Control of Household Pests. 5th edition. McNair-Dorland Co., New York. 1158 pp.
- Mayr, Ernst. 1970. Population, Species, and Evolution. Belknap Press of Harvard University Press, Cambridge, Mass. 453 pp. \$10.00.

- National Academy of Sciences. 1969. Principles of Plant and Animal Pest Control. Vol. 3: Insect-Pest Management and Control. National Academy of Sciences, Washington, D.C. 508 pp. \$10.50 paper.
- Odum, Eugene Pleasants. 1971. Fundamentals of Ecology. 3rd edition. W. B. Saunders Co., Philadelphia. 546 pp. \$11.75.
- Painter, Reginald Henry. 1968. Insect Resistance in Crop Plants. University Press of Kansas, Lawrence. 520 pp. \$4.75 paper.
- Peterson, Alvah. 1960, 1962. Larvae of Insects. 2 volumes. Edwards Bros., Ann Arbor, Mich. Part I. Lepidoptera and Plant Infesting Hymenoptera, 315 pp. Part II: Coleoptera, Diptera, Neuroptera, Siphonaptera, Mecoptera, Trichoptera, 416 pp.
- Pfadt, Robert E., editor. 1971. Fundamentals of Applied Entomology. 2nd edition. MacMillan, New York. 693 pp. \$14.95.
- Ross, Herbert Holdsworth. 1965. A Textbook of Entomology. 3rd edition. John Wiley & Sons, New York. 539 pp. \$12.95.
- Snodgrass, Robert Evans. 1952. A Textbook of Arthropod Anatomy. Comstock Pub. Associates, Ithaca, N.Y. 363 pp. (Reprinted by Hafner Pub. Co., New York, 1965).
- Southwood, Thomas Richard Edmund. 1966. Ecological Methods, with Particular Reference to the Study of Insect Populations. Methuen, London. 391 pp. 75/-.
- Steinhaus, Edward Arthur, editor, 1963. Insect Pathology; An Advanced Treatise. 2 volumes. Academic Press, New York. Vol I, 661 pp., \$23.00. Vol. II, 689 pp., \$23.00.
- Wigglesworth, Vincent Brian. 1972. The Life of Insects. Universe Books, New York. 372 pp. \$12.50. (Also published by New American Library, Inc., New York. \$1.50 paper).
- Wigglesworth, Vincent Brian. 1965. The Principles of Insects Physiology. 6th edition. E. P. Dutton, New York. 741 pp. \$17.50.

II. PLANT PATHOLOGY

- Agrios, George N. 1969. Plant Pathology. Academic Press, New York. 629 pp. \$15.00.
- Ainsworth, Geoffrey Clough and Grey Richard Biscy. 1971. Ainsworth and Biscy's dictionary of the fungi; including the lichens. 6th edition. International Publications Service, New York. 673 pp. \$17.50.

- American Phytopathological Society. 1959. Plant Pathology, Problems and Progress, 1908-1958. Edited by Charles Stewart Holton et al. University of Wisconsin Press, Madison. 588 pp. \$8.50.
- Annual Review of Phytopathology. 1963-present. Vols. 1-12. Annual Reviews, Inc., Palo Alto, Calif.
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- Baker, Kenneth Frank and William Cowperthwaite Snyder, editors. 1965. Ecology of Soil-borne Plant Pathogens, Prelude to Biological Control. University of California Press, Berkeley. 571 pp. \$20.00.
- Bawden, Frederick Charles. 1964. Plant Viruses and Virus Diseases. 4th edition. Ronald Press, New York. 361 pp. \$8.75.
- Fischer, George William and Charles Stewart Holton. 1957. Biology and Control of the Smut Fungi. Ronald Press, New York. 622 pp. \$12.00.
- Garrett, Stephen Denis. 1970. Biology of Root-infecting Fungi. Cambridge University Press, New York. 292 pp. \$15.50.
- Horsfall, James Gordon. 1956. Principles of Fungicidal Action. Chronica Botanica Co., Waltham, Mass. 279 pp. A New Series of Plant Science Books, Vol. 30. (Agents for the series: Hafner Pub. Co., New York; and J. W. Stacey, Inc., San Francisco.)
- Horsfall, James Gordon and Albert Eugene Dimond, editors. 1959-1960. Plant Pathology; An Advanced Treatise. 3 volumes. Academic Press, New York. Vol. I: The Diseased Plant, 674 pp., \$22.00. Vol. II: The Pathogen, 715 pp., \$22.00. Vol. III: The Diseased Population, Epidemics, and Control, 675 pp., \$24.00.
- Index of Plant Diseases in the United States. 1960. U.S. Dept. of Agriculture, Agricultural Handbook, No. 165. U.S.D.A., Crop Research Division, Agricultural Research Service. 531 pp.
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- Sharvelle, Eric George. 1961. The Nature and Uses of Modern Fungicides. Burgess Pub. Co., Minneapolis. 308 pp.
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- Smith, Kenbeth M. 1972. A Textbook of Plant Virus Diseases. 3rd edition. Academic Press, New York. 684 pp. \$24.50.
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- Streets, R. B. 1972. The Diagnosis of Plant Diseases; a Field and Laboratory Manual Emphasizing the Most Practical Methods for Rapid Identification. University of Arizona Press. 245 pp. \$4.95 paper.
- Van der Plank, J. E. 1963. Plant Diseases: Epidemics and Control. Academic Press, New York. 349 pp. \$12.00.
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- Baker, Alexander D. 1962. Check Lists of the Nematode Superfamilies Dorylaimoidea, Rhabditoidea, Tylenchoidea, and Aphelenchoidea. E. J. Brill, Leiden, Netherlands. 261 pp.
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- Wallace, H. R. 1963. The Biology of Plant Parasitic Nematodes. Edward Arnold Publishers Ltd., London. 280 pp. 50/.
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- Zuckerman, Bert Merton, W. F. Mai, and Richard A. Rohde, editors. 1971. Plant Parasitic Nematodes. 2 volumes. Academic Press, New York. Vol. I, 345 pp., \$22.00. Vol. II, 347 pp., \$22.00. (Vols. I and II, \$38.00).

IV. WEED SCIENCE

- Anderson, R. N. 1968. Germination and Establishment of Weeds for Experimental Purposes. (A Weed Science Society of America Handbook) W. F. Humphrey Press, Inc., Geneva, N.Y. 236 pp.

- Ashton, F. M., and A. S. Crafts. 1973. Mode of Action of Herbicides. John Wiley and Sons, New York. 504 pp. \$24.95.
- Audus, Leslie John, editor. 1964. The Physiology and Biochemistry of Herbicides. Academic Press, New York. 555 pp. \$18.50.
- British Crop Protection Council. 1968, 1970. Weed Control Handbook. 2 volumes. Blackwell Scientific Publications, Oxford. Vol. 1: Principles, 5th edition edited by P. J. Fryer and S. A. Evans, 494 pp. £3.5.0. Vol. 2: Recommendations, 6th edition edited by P. J. Fryer and R. Makepeace, 331 pp. £2.25.
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- Weed Science Society of America. 1970. FAO International Conference on Weed Control. Published by the Weed Science Society of America. University of Illinois, Urbana. 667 pp.
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V. VERTEBRATE PESTS

- Barnett, S. A. 1963. The Rat, a Study in Behaviour. Aldine Pub. Co., Chicago. 288 pp. cloth \$7.95, paper \$3.95.
- Brooks, Joe Edward and Thomas D. Peck, editors. 1969. Community Pest and Related Vector Control. Pest Control Operators of California, Inc., Los Angeles. 224 pp.
- Chitty, Dennis, editor. 1954. Control of Rats and Mice. Clarendon Press, Oxford, England. Vol. I: Rats, 305 pp. Vol. II: Rats, 227 pp.
- National Academy of Sciences. 1970. Principles of Plant and Animal Pest Control. Vol. 5: Vertebrate Pests: Problems and Control. National Academy of Sciences, Washington, D.C. 153 pp. \$5.25 paper.
- Murton, R. K. and Ernest Nuttall Wright, editors. 1968. The Problems of Birds as Pests. Academic Press, New York. 254 pp. \$9.50.

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- Academic Press Inc., 111 5th Ave., New York, N.Y. 10003.
- Aldine Atherton Inc., 529 S. Wabash Ave., Chicago, IL 60605.
- American Elsevier Publishing Co., 52 Vanderbilt Ave., New York, NY 10017.
- Annual Reviews, Inc., 4139 El Camino Way, Palo Alto, CA 94306.
- Edward Arnold Publishers, Ltd., 41 Maddox St., London, W.1 England.
- Balt Publishers, 3315 South St., West Lafayette, IN 47905.
- Blackwell Scientific Publications, 5 Alfred St., Oxford, England.
- E. J. Brill, N.V., Bockhandel en Drukkerij v.h., Oude Rijn 33a, Leiden, Netherlands.
- Burgess Publishing Co., 426 S. Sixth St., Minneapolis, MN 55415.
- Cambridge University Press, 32 E. 57th St., New York, NY 10022.
- Chemical Rubber Co., 18901 Cranwood Parkway, Cleveland, OH 44128.
- Chronica Botanica, Waltham, MA. 02154
- Clarendon Press, see Oxford University Press.
- Commonwealth Agricultural Bureaux, Farnham Ho., Farnham Royal, Bucks., England.
- Comstock Publishings Associations, see Cornell University Press.
- Cornell University Press, 124 Roberts Pl., Ithaca, NY 14350.
- Marcel Dekker, Inc., 95 Madison Avenue, New York, NY 10016.
- E. P. Dutton & Co., Inc., 201 Park Ave. S., New York, NY 10003.
- Edwards Brothers, 2500 S. State St., Ann Arbor, MI 48104.
- FAO, see UNIPUB, Inc.
- Hafner Pub. Co., Inc., 260 Heights Rd., Darien CT 06820.
- Harper & Row Publishers, Inc., 49 E. 33rd St., New York, NY 10016.
- Harvard University Press, 79 Garden St., Cambridge, MA 02138.

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Holborn Viaduct, London, E.C.1 England.
- Holt, Rinehart & Winston, Inc., 383 Madison Ave., New York, NY 10017.
- Houghton Mifflin Co., 110 Tremont St., Boston, MA 02107.
- W. F. Humphrey Press, Inc., Geneva, NY. 14456
- International Plant Protection Center, Oregon State University, Corvallis,
OR 97331.
- International Publications Service, 114 East 32nd St., New York,
NY 10016.
- Interscience Publishers, Inc., see John Wiley & Sons, Inc.
- Iowa State University Press, Press Bldg., Ames, IA 50010.
- The Macmillan Co., 866 Third Ave., New York, NY 10022.
- MacNair-Dorland Co., 101 W. 31st St., New York, NY 10001.
- McGraw-Hill Book Co., Princeton R., Hightstown, NJ 08520.
- Methuen & Co., Ltd., 11 New Fetter La., London, E.C. 4 England.
- National Academy of Sciences, 2101 Constitution Ave., NW, Washington,
DC 20418.
- The New American Library, Inc., 1301 Avenue of the Americas, New York,
NY 10019.
- Oliver & Boyd Ltd., Tweeddale Court, 14 High St., Edinburgh, 1 England.
- Oxford University Press, Inc., 16-00 Politt Dr., Fair Lawn, NJ 07410.
- Prentice-Hall, Inc., Englewood Cliffs, NJ 07632.
- Reinhold Pub. Corp., see Van Nostrand Reinhold Co.
- The Ronald Press Co., 79 Madison Avenue, New York, NY 10016.
- W. B. Saunders Co., W. Washington Sq., Philadelphia, PA 19105.
- J. W. Stacey, Inc., 551 Market St., San Francisco, CA. 94100
- Superintendent of Documents, US Government Printing Office, Washington,
DC 20402.
- UNIPUB, Inc., P.O. Box 433, New York, NY 10016.

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see Superintendent of Documents.

U.S. Department of Commerce, Clearinghouse for Federal Scientific &
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Universe Books, 381 Park Avenue South, New York, NY 10016.

University of Arizona Press, Box 3398, Tucson, AZ 85722.

University of California Press, 2223 Fulton St., Berkeley, CA 94720.

University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637.

University of Florida Press, 15 N.W. 15th St., Gainesville, FL 32601.

University of Illinois Press, Urbana, IL 61801.

University of Wisconsin Press, P.O. Box 1379, Madison, WI 53701.

University Press of Kansas, 366 Watson Library, Lawrence, KS 66044.

Van Nostrand Reinhold Co., 450 W. 33rd St., New York, NY 10001.

John Wiley & Sons, Inc., 605 Third Ave., New York, NY 10016.

Pest Control Operators of California, Inc., 3444 West First St., Los
Angeles, CA 90004.