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SELECTED BIBLIOGRAPHY OF THE
PHENOXY HERBICIDES

IV. Ecological Effects

R. W. Bovey and J. D. Diaz-Colon*

Introduction

This is the fourth publication in the series "Selected Bibliography of the Phenoxy Herbicides." Three previous bibliographies regarding fate, dioxin, and toxicology were published in 1976 and 1977.

The beneficial effects of the phenoxy herbicides, when properly used, are well established. Ecological changes and population shifts of organisms in the treated environment as a result of phenoxy herbicide use are of widespread concern. In this bibliography we have attempted to provide some of the more pertinent references relating to phenoxy herbicide use and environmental effects. Research papers related to the interactions of microorganisms and phenoxy herbicides will be provided in the next bibliography.

References are listed in alphabetical order according to senior author's name. A subject numerical index, consisting of seven sections, is provided. Each section represents a phenoxy herbicide and the ecosystem affected. Available literature on other subjects (comments, legal aspects and gubernatorial hearings) is covered under subsection "Miscellaneous."

Each Arabic numeral in the subject index identifies a reference in the alphabetical list of authors. For references published in languages other than English, the abbreviated form of the particular language is enclosed in parentheses after the title. A list of the abbreviated and complete names of languages and a list of the abbreviated and complete names of periodicals, together with their place of origin, are also provided. If English abstracts for the references are available, the abstract sources are included after the listed reference.

*Respectively, research agronomist and agricultural research technician, Agricultural Research Service, U. S. Department of Agriculture, and The Texas Agricultural Experiment Station (Department of Range Science).

List of Abbreviated Sources

Agrokhimiya	Agrokhimiya (Moscow, USSR)
Agron. J.	Agronomy Journal (Madison, Wis.)
Allg. Forst. Jagdztg.	Allgemeine Forst- und Jagdzeitung (Frankfurt, W. Germany)
Allg. Forstztg.	Allgemeine Forstzeitung (Vienna, Austria)
Am. Inst. Chem. Eng., Symp. Ser.	American Institute of Chemical Engineering, Symposium Series (New York, N.Y.)
Ann. Entomol. Soc. Am.	Annals of the Entomological Society of America (Baltimore, Md.)
Anz. Schaedlingskd., Pflanz. Umweltschutz	Anzeiger fuer Schaedlingskunde, Pflanzen- und Umweltschutz (Berlin, Germany)
Araneta Res. J.	Araneta Research Journal (Rizal, Philippines)
Biol. Conserv.	Biological Conservation (Barking, England)
Biologico	Biologico (Sao Paulo, Brazil)
BioScience	BioScience (Washington, D.C.)
Blyttia	Blyttia (Oslo, Norway)
Bolsa Cer.	Bolsa de Cereales (Buenos Aires, Argentina)
Bull. Entomol. Res.	Bulletin of Entomological Research (London, England)
Bull. Entomol. Soc. Am.	Bulletin of the Entomological Society of America (College Park, Md.)
Bull. Environ. Contam. Toxicol.	Bulletin of Environmental Contamina- tion and Toxicology (New York, N.Y.)
Can. J. Bot.	Canadian Journal of Botany (Ottawa, Canada)
Can. J. Plant Sci.	Canadian Journal of Plant Science (Ottawa, Canada)
CAST	Council for Agricultural Science and Technology (Ames, Iowa)
Chem. Eng. News	Chemical and Engineering News (Washington, D.C.)
Chem. Senses Flavor	Chemical Senses and Flavor (Dordrecht, Netherlands)

Citrograph	Citrograph (Los Angeles, Calif.)
Clin. Toxicol.	Clinical Toxicology (New York, N.Y.)
Conserv. Found. Lett.	Conservation Foundation Letter (Washington, D.C.)
Contrib. Ist. Rec. Agrar. Milan	Contributi, Istituto di Recerche Agrarie, Milan (Milan, Italy)
Diss. Abstr. Int.	Dissertation Abstracts International (Ann Arbor, Mich.)
Dokl. Vses. Akad. Skh. Nauk	Doklady Vsesoyuznoi Akademii Sel'skokhozy Aistvennykh Nauk (Moscow, USSR)
Down Earth	Down to Earth (Midland, Mich.)
Ecology	Ecology (Durham, N.C.)
Environ. Chem.	Environmental Chemistry (London, England)
Environment	Environment (St. Louis, Mo.)
Environ. Sci. Technol.	Environmental Science and Tech- nology (Washington, D.C.)
Gesunde Pflanz.	Gesunde Pflanzen (Frankfurt, W. Germany)
Gig. Sanit.	Gigiena i Sanitariya (Moscow, USSR)
Glean. Bee Cult.	Gleanings in Bee Culture (Medina, Ohio)
Health Aspects Pestic.	Health Aspects of Pesticides, Abstract Bulletin (Chamblee, Ga.)
Hyac. Control J.	Hyacinth Control Journal (Fort Lauderdale, Fla.)
Hydrobiologia	Hydrobiologia (The Hague, Netherlands)
Indian J. Agric. Sci.	Indian Journal of Agricultural Sciences (New Delhi, India)
Ind. Veg. Manage.	Industrial Vegetation Management (Dow Chemical Co., Midland, Mich.)
J. Am. Soc. Agron.	Journal of the American Society of Agronomy (Geneva, N.Y.)

J. Anim. Ecol.	Journal of Animal Ecology (Oxford, England)
J. Appl. Ecol.	Journal of Applied Ecology, The (Oxford, England)
J. Econ. Entomol.	Journal of Economic Entomology (Baltimore, Md.)
J. For.	Journal of Forestry (Washington, D.C.)
J. Int. Inst. Sugar Beet Res.	Journal of the International Institute for Sugar Beet Research (Tirlemont, Belgium)
J. Invertebr. Pathol.	Journal of Invertebrate Pathology (New York, N.Y.)
J. Range Manage.	Journal of Range Management (Denver, Colo.)
J. Sci. Food Agric.	Journal of the Science of Food and Agriculture (London, England)
J. Water Pollut. Control Fed.	Journal of the Water Pollution Control Federation (Washington, D.C.)
J. Wildl. Manage.	Journal of Wildlife Management (Washington, D.C.)
Khim. Sel'sk. Khoz.	Khimiya v Selskom Khoziastive (Moscow, USSR)
Latv. PSR Zinat. Akad. Vestis	Latvijas PSR Zinatnu Akademijas Vestis (Riga, USSR)
Lesn. Khoz.	Lesnoe Khozyaistvo (Moscow, USSR)
Nachrichtenbl. Dtsch. Pflanzenschutzdienst	Nachrichtenblatt des Deutschen Pflanzenschutzdienstes (Berlin, Germany)
Natur. Hist.	Natural History (New York, N.Y.)
N.Dak. Farm Res.	North Dakota Farm Research (Fargo, N.Dak.)
Norsk Vet. Tidsskr.	Norsk Veterinaer-Tidsskrift (Oslo, Norway)
N.Z. J. Agric. Res.	New Zealand Journal of Agricultural Research (Wellington, New Zealand)
Okla. Agric. Exp. Stn. Bull.	Oklahoma Agricultural Experiment Station, Bulletin (Stillwater, Okla.)
Outlook Agric.	Outlook on Agriculture (Bracknell, England)

- Pa. Game News
 Parasitica
 Parasitology
 Pestic. Abstr.
 Pesticides
 Pestic. Monit. J.
 Pochvovedenie
 Pol. Arch. Hydrobiol.
 Proc. Br. Weed Control Conf.
 Proc. Eur. Weed Res. Counc., Int.
 Symp. Aquat. Weeds
 Proc. North Cent. Weed Control
 Conf.
 Proc. Northeast. Weed Control
 Conf.
 Proc. Northeast. Weed Sci. Soc.
 Proc. Okla. Acad. Sci.
 Proc. Pa. Acad. Sci.
 Proc. South. Weed Conf.
 Proc. South. Weed Sci. Soc.
 Prog. Fish Cult.
 Purdue Univ., Agric. Exp. Stn.,
 Res. Bull.
 Purdue Univ. Water Resour. Res.
 Cent., Tech. Rep.
- Pennsylvania Game News
 (Harrisburg, Pa.)
 Parasitica
 (Gembloux, Belgium)
 Parasitology
 (Cambridge, England)
 Pesticides Abstracts
 (Washington, D.C.)
 Pesticides
 (Bombay, India)
 Pesticides Monitoring Journal
 (Atlanta, Ga.)
 Pochvovedenie
 (Moscow, USSR)
 Polskie Archiwum Hydrobiologii
 (Warsaw, Poland)
 Proceedings of the British Weed Control
 Conference
 (Droitwich, Worcestershire,
 England)
 Proceedings of the European Weed Research
 Council, International Symposium on Aquatic Weeds
 (Oxford, England)
 Proceedings of the North Central Weed
 Control Conference
 (Omaha, Nebr.)
 Proceedings of the Northeastern Weed
 Control Conference
 (Farmingdale, N.Y.)
 Proceedings of the Northeastern Weed
 Science Society
 (College Park, Md.)
 Proceedings of the Oklahoma Academy
 of Science
 (Stillwater, Okla.)
 Proceedings of the Pennsylvania
 Academy of Science
 (Easton, Pa.)
 Proceedings of the Southern Weed Conference
 (St. Louis, Mo.)
 Proceedings of the Southern Weed
 Science Society
 (Athens, Ga.)
 Progressive Fish and Culturist
 (Washington, D.C.)
 Purdue University, Agricultural Experiment
 Station, Research Bulletin
 (Lafayette, Ind.)
 Purdue University Water Resources
 Research Center, Technical Report
 (W. Lafayette, Ind.)

Qual. Plant-Plant Foods Hum. Nutr.	Qualitative Plantarum - Plant Foods for Human Nutrition (The Hague, Netherlands)
Queensl. J. Agric. Anim. Sci.	Queensland Journal of Agricultural and Animal Sciences (Brisbane, Queensland, Australia)
Rangem. News	Rangeman's News (Denver, Colo.)
Residue Rev.	Residue Reviews (New York, N.Y.)
Rev. For. Fr.	Revue Forestiere Francaise (Nancy, France)
Schriftenr. Ver. Wasser-Boden- Lufthyg.	Schriftenreihe des Vereins fuer Wasser-Boden- und Lufthygiene (Berlin, Germany)
Sci. Agric.	Scientific Agriculture (Ottawa, Canada)
Science	Science (Washington, D.C.)
Tansuiku Suisan Kenkyusho Kenkyu Hokoku	Tansuiku Suisan Kenkyusho Kenkyu Hokoku (Tokyo, Japan)
Tea Q.	Tea Quarterly (Talawakele, Ceylon)
Tex. Agric. Exp. Stn., Misc. Publ.	Texas Agricultural Experiment Station, Miscellaneous Publication (College Station, Tex.)
Trans. Am. Fish. Soc.	Transactions of the American Fisheries Society (Washington, D.C.)
U.S. Dep. Agric. Tech. Bull.	U.S. Department of Agriculture, Tech- nical Bulletin (Washington, D.C.)
U.S. Fish Wildl. Serv., Cir.	U.S. Fish and Wildlife Service, Cir- cular (Washington, D.C.)
U.S. For. Serv., Pac. Northwest For. Range Exp. Stn., Res. Notes	U.S. Forest Service, Pacific North- west Forest and Range Experiment Station, Research Notes (Portland, Oreg.)
U.S. For. Serv., Res. Note	U.S. Forest Service, Research Note (Washington, D.C.)
U.S.N.T.I.S., AD Rep. <u>or</u> PB Rep.	U.S. National Technical Information Service, AD Report <u>or</u> PB Report (Springfield, Va.)
Vestn. Skh. Nauki	Vestnik Sel'skokhozyaistvennoi Nauki (Moscow, USSR)

Wall St. J.	Wall Street Journal (Silver Spring, Md.)
Wasserwirtsch.-Wassertech.	Wasserwirtschaft-Wassertechnik (Berlin, Germany)
Water Res.	Water Research (Oxford, England)
Weed Abstr.	Weed Abstracts (Oxford, England)
Weed Res.	Weed Research (Oxford, England)
Weed Sci.	Weed Science (Champaign, Ill.)
Z. Pflanzenkr. Pflanzenschutz	Zeitschrift fuer Pflanzenkrank- heiten und Pflanzenschutz (Stuttgart, W. Germany)

Language Abbreviation

Bg - Bulgarian	No - Norwegian
Cs - Czech	Pl - Polish
De - German	Pt - Portuguese
Es - Spanish	Ru - Russian
Fr - French	Sh - Serbo-Croatian
Ja - Japanese	Sv - Swedish
Nl - Dutch	

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