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A Bibliography of the Northern and Western Corn Rootworm:
An Update 1977 through 1988

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Introduction

In 1974 the Illinois Natural History Survey published a bibliography of the northern and western corn rootworm. An update through 1976 was published in 1977. In the twelve years since that publication, the literature on these two insects has grown immensely. This bibliography supplements those earlier publications and covers the period from January 1977 through December 1988. Like its predecessors, this bibliography is generally limited to literature dealing with the northern corn rootworm, *Diabrotica barberi* (referred to as *D. longicornis barberi* before the subspecies was raised to species level in 1983), and the western corn rootworm, *D. virgifera virgifera*. Literature on the Mexican corn rootworm, *D. virgifera zea*, is now also included since this pest is present in the southwestern part of the United States. The 434 titles in the present list were obtained from standard reference sources (e.g., AGRI-COLA, BIOSIS Previews, CAB Abstracts, Dissertation Abstracts International, OCLC, and Science Citation Index) and from the personal files of field crop entomologists in the United States and Canada.

Entries are listed alphabetically by author and then by date of publication. Only materials published in English were selected, including journal articles, books and portions of books, M.S. and Ph.D. theses, agricultural extension publications, manuals, and fact sheets. Only the latest revisions are listed for agricultural extension publications (1989 revisions were included when 1988 versions were out of print). Literature that dealt solely with insecticide evaluations or recommendations and contained no discussion of pest biology was excluded.

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Except for citations preceded by a ♦ symbol, copies were obtained for each document (abstracts in the case of Ph.D. theses). Key words to be included in the subject index were then assigned on the basis of content and are given within parentheses at the end of each entry. Key words taken directly from titles were listed in the index but are not repeated in the parenthetical listings. Citations preceded by a ♦ were assigned key words solely on the basis of their titles. The subject index and a list of periodicals cited appear at the end of this publication.

This bibliography (with periodic updates) will be available on diskette (5.25 or 3.5 inch) in Wordperfect or ASCII text file format for IBM-compatible computers. These diskettes are available at a cost of \$5.00 by contacting the senior author at the Natural History Survey.

Acknowledgments

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Citations

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2. Agriculture Canada. 1981. Northern corn rootworm, *Diabrotica longicornis* (Say). Agric. Canada. Insect Identification Sheet 54. 2 pp. (*D. barberi* as *D. longicornis*, biology)
3. Ahmad, N., D.D. Walgenbach, and G.R. Sutter. 1979. Comparative disappearance of fonofos, phorate and terbufos soil residues under similar South Dakota field conditions. *Bull. Environ. Contam. Toxicol.* 23: 423–429. (*Diabrotica* spp., insecticide degradation, insecticide persistence)
4. Ahmad, N., D.D. Walgenbach, and G.R. Sutter. 1979. Degradation rates of technical carbofuran and a granular formulation in four soils with known insecticide use history. *Bull. Environ. Contam. Toxicol.* 23: 572–574. (*Diabrotica* spp., insecticide persistence, insecticide degradation, insecticide history)
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- ♦ 26. **Bergman, M.K.** 1980. Optimizing sampling for corn rootworm larvae. M.S. Thesis, Iowa State University, Ames. (*D. virgifera virgifera*, *D. barberi*, sampling [larval])
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61. **Bruss, R.G.** 1981. Intrafield dispersal of adult corn rootworms. Ph.D. Thesis. Iowa State University, Ames. (*D. barberi*, *D. virgifera virgifera*, movement [adult], temperature, population density, pheromone)
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- Wind** 24 410 412
- Yield losses** 14 53 56 58 69 75 111 134 138 156 211
288 298 305 323 334 349 357 363 365 371 388 389 398
402 403
- Zea diploperennis*** 49

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