

Philip G. Koehler

Endowed Professor



Contact:

Steinmetz Hall
1881 Natural Area Dr.
Gainesville, FL 32611

(352) 392-2484
pgk@ufl.edu

Education

(55% Extension, 35% Research, 10% Teaching)

- A.B., Catawba College, 1969
- Ph.D., Cornell University, 1972

Relevant Employment History

- Professor (1984-present) U. Florida
- Associate Professor (1979-1984) U. Florida
- Assistant Professor (1975-1979) U. Florida
- Medical Entomologist (1972-1975) U. S. Navy

Research Responsibilities

- Develop and investigate new technologies for management of cockroaches and fleas.
- Primary emphasis is on reduction of pesticide usage in urban environments through development of bait, IGR and biological controls.
- Study biological factors of these pests that affect growth and development.

Teaching Responsibilities

- Teach ENY 5222 and ENY 3222, Biology and Identification of Urban Pests
- Teach ENY 5224 and ENY 3224, Principles of Urban Pest Management

Extension Responsibilities

- Develop educational materials and programs in urban, livestock, and poultry pest management.
- Primary emphasis has been on education of the Pest Control Industry in Florida and the United States. Methods have been to develop books, fact sheets, and computerized instruction in Urban Pest Management.

Accomplishments

Grants and Contracts(Total \$1,119,848)

PI USDA-CES 1994-1995 Various corporate grants, contracts, and scholarships

Publications

- Books: 4
- Refereed Papers: 81
- Chapters in Books: 8
- Misc. Papers: 358

Career Publications

Koehler, P. G. and W. H. Kern, Jr. 1994. General Household Pest Control. Florida Cooperative Extension Service. 254 pp.

Koehler, P. G. 1993. Pests in and around the Florida Home. Florida Cooperative Extension Service. 174 pp

Koehler, P. G., Strong, C. A., Patterson, R. S., Valles, S.M. 1993. Differential susceptibility of German cockroach (Dictyoptera: Blattellidae) sexes and nymphal age classes to insecticides. J. Econ. Entomol. 86: 785-792.

Koehler, P. G., Patterson, R. S., Martin, W. R. 1992. Aug. Susceptibility of cockroaches (Dictyoptera: Blattellidae, Blattidae) to infection by *Steinernema carpocapsae*. J. Econ. Entomol. 85: 1184-1187.

Atkinson, T. H., Koehler, P. G., Patterson, R. S. 1992. Volatile effects of insect growth regulators against the German cockroach (Dictyoptera: Blattellidae). J. Med. Entomol. 29: 364-367.

Moss, J. I., Patterson, R. S., Koehler, P. G. 1992. Detection of insecticide resistance in the German cockroach (Dictyoptera: Blattellidae) with glue-toxin traps. J. Econ. Entomol. 85: 1601-1605.

Atkinson, T. H., Mangold, J. R., Koehler, P. G. 1992 Mar. Two neotropical cockroaches of the genus *Ischnoptera* (Dictyoptera: Blattellidae) established in Florida. Fla. Entomol. 75: 109-115.

Suiter, D. R., Koehler, P. G., Patterson, R. S. 1992. Biological response of German cockroaches fed diets containing allopurinol. Med. Vet. Entomol. 6: 62-66.

Hogsette, J.A. and Koehler, P.G. 1992. Comparative toxicity of aqueous solutions of boric acid and Polybor 3 to house flies (Diptera: Muscidae). J. Econ. Entomol. 85:1209-1212.

Moser, B.A., Koehler, P.G., and Patterson, R.S. 1992. Effects of Methoprene and Diflubenzuron on larval development of the catflea (Siphonaptera: Pulicidae). J. Econ. Entomol. 85:112-116.

Kern, W.H., Koehler, P.G. Patterson, R.S., and Wadleigh, R.W. 1992. Spectrophotometric method of quantifying adult cat flea (Siphonaptera: Pulicidae) feces. J. Med. Entomol. 29:221-225.

- Suiter, D.R., Koehler, P.G. and Patterson, R.S. 1992. Dietary effects of allopurinol and sulfinpyrazone on development, survival and reproduction of German cockroaches (Dictyoptera: Blattellidae). J. Econ. Entomol. 85:117-122.
- Kern, W.H., Koehler, P.G. and Patterson, R.S. 1992. Diel patterns of cat flea (Siphonaptera: Pulicidae) egg and fecal deposition. J. Med. Entomol. 29:203-206.
- Koehler, P.G. and R.S. Patterson. 1991. Residual efficacy of chloryrifos and diazinon for German cockroaches (Orthoptera: Blattellidae) in commercial food handling establishments. J. Entomol. Sci. 26:59-63.
- Wadleigh, R.W., P.G. Koehler, and R.S. Patterson. 1991. Age specific reduction in German cockroach, *Blattella germanica* (L.) (Orthoptera: Blattellidae) populations exposed to diflubenzuron. J. Entomol. Sci. 26:244-252.
- Moser, B.A., P.G. Koehler, and R.S. Patterson. 1991. Separation of cat flea larval instars by individual rearing and head capsule measurements. J. Econ. Entomol. 84:922-926.
- Koehler, P.G. and R.S. Patterson. 1991. Incorporation of the IGR, pyriproxyfen, in a German cockroach (Dictyoptera: Blattellidae) management program. J. Econ. Entomol. 84:917-921.
- Atkinson, T.H., P.G. Koehler, and R.S. Patterson. 1991. Reproduction and development of the Asian cockroach, *Blattella asahinai* Mizukubo (Dictyoptera: Blattellidae). J. Econ. Entomol. 84:1251-1256.
- Koehler, P.G. and R.S. Patterson. 1991. Toxicity of hydramethylnon to laboratory and field strains of German cockroach. Fl. Entomol. 74:345-349.
- Moser, B.A., P.G. Koehler, and R.S. Patterson. 1991. Effect of larval diet on cat flea development times and adult emergence. J. Econ. Entomol. 84:1257-1261.
- Atkinson, T.H., R.A. Wadleigh, P.G. Koehler and R.S. Patterson. 1991. Pyrethroid resistance and synergism in a field strain of the German cockroach (Dictyoptera: Blattellidae). J. Econ. Entomol. 84:1247-1250.
- Hinkle, N.C., P.G. Koehler, W.H. Kern and R.S. Patterson. 1991. Hematophagous strategies of the cat flea (Siphonaptera: Pulicidae). Fla. Entomol. 74:377-385.