

DAVID J. SHETLAR



Professional Preparation

University of Oklahoma Zoology B.S. 1969, M.S 1975
Penn State University Entomology Ph. D. 1977

Appointments

1996-present: Associate Professor, Department of Entomology, 60:20:20 OSUE:OARDC:CBS
1990-1996: Assistant Professor, Department of Entomology, Columbus, OH
1984-1990: Research Scientist, ChemLawn Services R&D, Delaware, OH.
1977-1983: Assistant Professor, Department of Entomology, Penn State, 80% teaching:20% research

Top Honors and Awards

ESA Distinguished Achievement Award in Extension, 1998, North Central Branch of ESA
Ohio Turfgrass Foundation, Professional Excellence Award, 1999
ESA Outstanding Teacher Award, 1983, Eastern Branch of ESA

Program capsules

Research: Development and assessment of alternative means of managing turfgrass pests, evaluation of new control products, and elucidation of basic turfgrass insect biology and behavior.

Teaching: Teach Ent 462, Economic Entomology – Turfgrass, Ornamental Plants and Greenhouse, mainly for plant science (horticulture & turf majors), and plant protection majors.

Extension/Outreach: Responsible for revising major bulletins for turfgrass and ornamental pests, developing and writing factsheets, delivering updates at state and national industry meetings, mentoring team efforts, and writing newsletter.

Three Most Important Scholarly Accomplishments, Last Five Years

- Development of Turf & Ornamentals Web Site: <http://bugs.osu.edu/~bugdoc>
- Development of the concept that moderate levels of endophytes within turf stands can confer economic and aesthetic suppression of most pests.
- Co-founder of the Extension Nursery, Landscape & Turf Team which has served as a model for team efforts across Extension.

Five Selected Publications (52 total)

Niemczyk, H.D. & D.J. Shetlar. 2000. Destructive Turf Insects, 2nd edition. HDN Books, Wooster, OH. 148pp.

Niemczyk, H.D., D.J. Shetlar, K.T. Power, & D.S Richmond. 2000 (2002). Seasonal occurrence of the sod webworm moths (Lepidoptera: Crambidae) of Ohio. Great Lakes Entomologist. 33:173-185.

Richmond, D.S. & D.J. Shetlar. 2000. Hairy chinch bug (Hemiptera: Lygaeidae) damage, population density, and movement in relation to the incidence of perennial ryegrass infected by *Neotyphodium* endophytes. J. Econ. Entomol. 93:1167-1172.

Richmond, D.S. & D.J. Shetlar. 1999. Larval survival and movement of bluegrass webworm in mixed stands of endophytic perennial ryegrass and Kentucky bluegrass. J. Econ Entomol. 89: 447-452.

Williamson, R.C. & D.J. Shetlar. 1995. Oviposition, egg location and diel periodicity of feeding by black cutworm (Lepidoptera: Noctuidae) on bentgrass maintained at golf course cutting heights. J. Econ. Entomol. 88: 1292-1295.

Five Selected Grants

USDA-NCR IPM Program Development and economic impact of a holistic turfgrass health management/Integrated Pest Management Program to Reduce Pesticide Applications and Improve Soil Structure Through the Use of Composted Urban Wastes. M.J. Boehm, D.J. Shetlar, & J.R. Street. \$62,500; 1997-2000.

Grants-in-Aid (with a majority extension appointment, my main strategy for funding is industry grants-in-aid related to turfgrass pest control):

2003 - \$90,600 gifts + \$8,000 Ohio Turfgrass Foundation gift

2002 - \$64,200 gifts + \$8,000 OTF

2001 - \$62,000 gifts + \$8,250 OTF

Professional Service Highlights, Last 5 Years

- Program Development – Ohio Turfgrass Foundation Conference & Show, 1991-present
- Co-organizer, Turfgrass Entomologists' Meeting, Maricopa, AZ, 2002

Key Collaborations

One of the founding members of the Extension Nursery, Landscape and Turf Team which has been held up as a prime example of Extension team efforts at OSU. This team continues to have a major impact on Ohio's Green Industries.

Urban Landscape Ecology Programs – working with team to direct efforts at community development level rather than individual homeowners.

Additional Synergistic Activities

Working with Ohio Nursery & Landscape Association to produce the P.E.S.T. Newsletter (I write it and ONLA markets, reproduces and mails it out to Ohio's Green Industry subscribers). Also produce a slide, factsheet and script set with ONLA and Jim Chatfield (plant pathologist) on insect, disease and environmental problems affecting trees and shrubs. Thousands of sets have been sold nation wide.