

Mark E. Whalon, Ph.D.

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Professional Responsibilities:

- Professor of Entomology* (1989-present)
- Director*: Pesticide Lab (1989-present)
- Director*: Center for Integrated Plant Systems (1999-2000)
- Interim Director*: Pesticide Research Center (1997-1999)
- Michigan Agriculture Experiment Station*: Pesticide Policy (1997-present)

Mailing Address:

Center for Integrated Plant Systems
Michigan State University
East Lansing, MI 48824
(517) 355-9430
<http://whalonlab.msu.edu/>

Education:

Ph.D. Entomology: Pennsylvania State University 1979
M.S. Plant and Soil Science: University of Vermont 1976
B.S. Biology: University of Vermont 1972

Honors & Distinctions:

IPM Alliance (1994- present)
US Apple: Technical and Policy Advisor (1994- present)
EPA Science Advisory Panel: (1999-present)
US Interagency Working Group (1998-present)
USEPA/USDA Joint Science Advisory Committee to Advise on Reregistration And Transition (2002-present)
Organic Materials Review Institute Secretary (2007-present)
ISNR (United Nations) Resistance Management Advisor (1995-present).
USEPA Science Advisory Panel Member (1994-present)
9 USEPA SAP Committees in that time
Joint USDA/EPA FACA/TRAC/CARAT: FQPA Oversight Committee (1998-present)
Board Member/Secretary: Organic Materials Review Institute (2006-Present)
Combined USEPA and USDA AZM-Advisory Subcommittee to the Pesticide Program Data Committee (2006-Present)
USEPA Federal Advisory Committee Member: Pesticide Program Data Committee (2008-2010)
Michigan State Legislature "Ag Day" Representative 2005, 2006
USEPA Federal Advisory Committee: PPDC Presentation Feb. 2007
USEPA Environmental Fate and Effects Division (EFED) Deliberations, Jan. 2007
Pest Resistance Management Newsletter Editor (1989- Present)
Reconciliation of the Endangered Species Act With Agriculture Committee (2005-present)

Professor Whalon is a nationally and internationally recognized expert in IPM, resistance management and pesticide alternatives in fruit and vegetable production. He has served in an advisory capacity to both USEPA and USDA on several biotechnology, pesticide resistance and pesticide policy issues. He has functioned as a consultant on numerous occasions both to commodities and international governments on pesticide policy, IPM and pesticide resistance in agriculture.



Director: Pesticide Alternatives Laboratory

Mission Statement:

To develop, evaluate, integrate and extend knowledge about ecologically based integrated crop management (ICM) and integrated pest management (IPM) policies, strategies, tactics and tools. ICM & IPM systems have been designed to enhance the economics, environmental quality, and overall quality of life for the citizens of Michigan, USA and the global community.

Current Web Page

- <http://whalonlab.msu.edu/>
- Resistance Management
- Resistant Arthropod Database

Current Programs:

- Agriculture Ecology & Management
- GMOs: Resistance Policy, Agr Integration
- IPM & Organic Pest Management including: IPM, Biological control, Novel Pesticides, Resistance Management
- Phytosanitation/Export/Import Policy
- Pesticide Policy Issues
- Functional Ecology as a Sustainability Measure
- Endangered Species and Agriculture Production

Center for Integrated Plant Systems Services:

- International IPM, RM and GMO deployment
- Ag Systems Management
- Plant Diagnostics
- Databases: Pesticides at Risk, Pesticide Alternatives, Pesticide Resistance, Commodities at Risk, Organic Amendments

Scientific Expertise:

Entomology, Applied Insect Ecology, Integrated Pest Management, Pesticide Policy, GMO Resistance Management, Organic tree fruit pest management

Publications Written / Refereed:

Scientific Journal Articles	=	111/73
Books and Book Chapters	=	34
Committee/Extension Publications	=	22

Scientific Policy Expertise:

Integrated Pest Mgmt, Resistance Mgmt, Pesticide Alternatives, Pesticide and Environmental Agricultural Policy

Scientific Specialization / Areas of Interest:

Applied insect ecology
Fruit and vegetable entomology
Integrated Pest Management
Resistance Management: GMOs
Environmental Impacts of Pesticides
Insect-plant-pathogen interaction
International Agriculture & GMO Policy
Long Range Dispersal of Pests
Strategies for GMO Insect Resistant Plants
Functional Ecology: integrating IPM data into outcome measurement systems designed to assess sustainability
Endangered Species and Agriculture Policy

Professional Societies: Entomology Soc. Amer., Amer. Chemical Soc., Soc. Invertebrate Pathology, Michigan Entomology Soc., CAST,

Teaching: IPM, Biological Control, Integrated Studies in Biology, Pesticide Policy, Endangered Species Policy

-Ph.D.'s Trained = 38

-Masters of Science Trained = 44