

2016 Curriculum Vitae



NAME: Michael P. Hoffmann
DEPARTMENT/UNIT: Entomology
TITLE: Professor, Adjunct Professor and Executive Director of Cornell Institute for Climate Change and Agriculture
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BACKGROUND

EDUCATION

1990	Ph.D.	University of California, Davis, Entomology
1978	M.S.	University of Arizona, Entomology
1975	B.S.	University of Wisc. Green Bay, Ecosystems Analysis

PROFESSIONAL EXPERIENCE

2010*-	Executive Director, Cornell Institute for Climate Change and Agriculture
2005-2010	Director, Cornell University Agricultural Experiment Station and Associate Dean, College of Agriculture and Life Sciences
2003-2005	Associate Director of Cornell Cooperative Extension
2003-	Professor, Dept. of Entomology, Cornell University, Ithaca, NY
1999-2005	Director, NY State Integrated Pest Management Program
1996-2003	Associate Professor, Dept. of Entomology, Cornell University, Ithaca, NY
1990-1996	Assistant Professor, Dept. of Entomology, Cornell University, Ithaca, NY
1982-1990	Staff Research Associate IV, Dept. of Entomology, Univ. of Calif., Davis
1978-1982	Staff Research Associate II, Dept. of Ent. Cooperative Ext., UC, Riverside
1975-1978	Research Assistant, Dept. of Entomology, University of Arizona, Tucson

* 20%: 80% academic: administrative appointment 1999 – current position

• **AWARDS AND RECOGNITION**

Experiment Station Section Award for Excellence in Leadership (2015)
USDA, Research, Education and Economics; Bio Energy Awareness Days (BEAD II) Award (2008)
Entomological Foundation Professional Award for *Excellence in Integrated Pest Management*, Entomological Society of America, Eastern Branch. (2006)
College of Agriculture and Life Sciences Faculty Leadership Development Program (2006, 2010)
Outstanding New Extension Pub. Recognition. NYS Association of County Agric. Agents. (2004)
Outstanding Extension Publication Award. The American Society for Horticultural Science (2003)
US Environmental Protection Agency: Environmental Quality Award - NYS IPM Program (2003)

USDA: CSREES, Experiment Station Committee on Organization and Policy and Academic Programs Committee on Organization and Policy Leadership Program (2000-2001)
Outstanding New Extension Publication NY Association of County Agric. Agents (1994)
Univ. of Calif., Davis, Administrative and Professional Staff Achievement Award (1988)
Univ. of Calif., Davis, Chancellor's Special Performance Award for Staff (1987)
Jastro-Shields Graduate Research Scholarship (1984-85) (1985-86)

GRANT SUPPORT

- **Active Grants/Contracts/Gifts**

Mazourek, Hoffmann, Smart, Seaman	11/1/2012-10/31/2016	
USDA NIFA OREI		\$1,979,349
Addressing Critical Pest Management Challenges in Organic Cucurbit Production		
Blossey, Hoffmann	1/1/2014-12/31/2018	
NYS Dept. of Environmental Conservation		\$755,548
New York State Invasive Species Research Institute		
Young, Hoffmann	9/1/14 – 8/31/2018	
USDA NIFA CPPM		\$4,000,000
NE Integrated Pest Management Center		
Hoffmann	10/1/2013-9/30/2018	
USDA NIFA		\$110,000
Determinants of the efficacy of egg parasitoids used against moth pests of fruit and vegetables.		
Hoffmann	10/1/2013-9/30/2016	
USDA NIFA		\$60,000
Harnessing Chemical Ecology to Improve Management of Vegetables Pests		
Chatrchyan, Broussard-Allred, Hoffmann	9/1/2014-8/31/2016	
USDA ARS		\$110,000
Cornell Northeast Climate Hub Risk Assessment and Capacity Building		
Tranviet, Hoffmann	9/1/2016-8/31/2017	
Climate Change Awareness and Service Learning in the Mekong Delta, Vietnam		\$11,000

ACADEMIC/ADMINISTRATIVE RESPONSIBILITIES

DEPARTMENTAL

Professor of Entomology: Responsible for the development and implementation of IPM strategies for vegetable crops. Program emphasis is on insect population dynamics, biological control, development and application of insect behavior modifying chemicals, and alternative pest management tactics.

ADMINISTRATIVE

Executive Director of the Cornell Institute for Climate Change and Agriculture
Provide overall visionary leadership of the Cornell Institute for Climate Change and Agriculture (CICCA). This encompasses staffing, programing, and execution of CICCA's mission. The

Executive Director raises the profile of climate change and how CICC, CALS and Cornell are positioned to respond to this challenge given the depth and breadth of the expertise among the faculty and programs. The Executive Director helps to ensure that CALS is recognized and rewarded for being the global leader in climate change and its impact on agriculture and the food system.

OTHER PROFESSIONAL ACTIVITIES

PROFESSIONAL SOCIETIES

Entomological Society of America
International Organization of Biological Control
New York Agricultural Society
Sigma Xi

EDITORIAL BOARDS

Editor: J. of Entomological Science (1995-1998)
Editorial Board, Biological Control: Theory and Application in Pest Management, Academic Press, 2001-2003.

COMMITTEES AND SERVICE

Agricultural Experiment Station Related:

Experiment Station Committee on Organization and Policy, Incoming Chair, Chair, Past Chair (2012-14)
Agricultural Experiment Station and Cooperative Extension Committee on Communication and Marketing (2012-14)
Northeastern US and Eastern Canada Working Group on Climate Change and Agriculture (2011-14)
Experiment Station Science & Technology Committee (2008-10)
Northeast Sun Grant Initiative [biofuel], Steering Committee (2006-12)
Northeast Sun Grant Institute [biofuel] of Excellence, Executive Committee (2006-12)
Northeastern Regional Association of State Agricultural Experiment Station Directors (2005-15)

College and University Committees:

Atkinson Center for a Sustainable Future, Faculty Advisory Committee (2008-)
CALS Advisory Council, Environ. Sustainability and Development Task Force (2006-08)
CALS Farm, Forest and Plant Growth Advisory Committees (2007-15)
Cornell Climate Action Acceleration Working Group, co-Chair (2014)
Cornell Biological Field Station Advisory Committee (2006-09)
Cornell Working Group on Sustainable Food & Agriculture Systems (1994-1998)
Council of Environmental Deans and Directors: National Council for Science and the Environment (2010-14)
Department Extension Leaders, Chair, (2003-2005)
New York Sea Grant Board of Governors (2009-)
NY Farm Viability Institute, CALS Liaison (2007-15)
NYS IPM Operating Committee (1999-)
NYSAES Advisory Council (2008-14)
President's [Cornell] Sustainable Campus Committee, Executive Committee (2010-2015), co-chair (2016-)
President's [Cornell] Sustainable Campus Advisory Committee, Chair (2013-15)
Program Work Team for Climate Change (2007-)

International/National/State:

University and Industry Consortium (UIC) (2008-14)
Organic Advisory Task Force, NY State Division of Agriculture and Markets (2008-11)
NE Region Integrated Pest Management Center Steering & Advisory Committee (2000-)
4th National IPM Symposium, Indianapolis, IN. Program Planning Committee (Chair) (2003)
4th National IPM Symposium, Indianapolis, IN. Steering Committee (co-Chair) (2003)
IPM Coordinator (CSREES, USDA) for NY State (1999-2006)
National Biological Control Inst. (USDA: APHIS), Customer Advisory Grp., (1995-1999)
China-US Scholar Exchange (1996, 2007)

Grant and Program Review Panels:

University of California IPM Program, Review panel Chair (2006)
Western Regional IPM Grants Program (2005-08)
New York Farm Viability Institute, Renewable energy subcommittee (2009-15)

Graduate Faculty Activities, Post-Doctoral Associates:

Director of Graduate Studies for Field of Entomology (1998-1999)
Graduate Student Admissions (1996-1999)
Graduate Students (Entomology, Plant Breeding, Rural Sociology, Agronomy, Fiber Science and Apparel Design, Fruit and Vegetable Sciences, Plant Protection)
Major Advisor: M.S. 4, Ph.D. 5
Minor Advisor: M.S. 9, Ph.D. 14
Post-Doctoral Associates/Fellows: 7

SELECTED INVITED PRESENTATIONS, BRIEFINGS, SEMINARS

Alumni Event, Cornell Club, American Institutes for Research, Washington, DC, *Climate change and agriculture: Just how secure is our food supply?* July 2015

NYS Assembly, Public Education Forum. *From droughts in the South West to floods in New York: Challenges and opportunities for the farm community in the face of extreme weather*, Albany, NY, May 2015

National Coalition for Food and Agricultural Research Hill Seminar Series – Senate and House Staff, *Climate Change: So What's Up with Dinner?* Washington, DC, July 2015

Congressional Safe Climate Caucus: *Climate change and its impact on our abundant and diverse food supply*, Washington, DC, July 2015

New York Bankers Association, *Climate Change and New York Agriculture*, Geneva, NY, July 2015

American Craft Spirits Association. *A Changing Climate: What it means to you and the future of your business*. Chicago, IL, March 2016

PATENTS

Aldrich, J. R., M. P. Hoffmann, J. P. Kochansky, W. R. Lusby, L. T. Wilson and F. G. Zalom.
Pheromone compositions for attracting *Euschistus* spp. insects. U. S. Patent 5,447,718.
Hoffmann, M. P., P. Schwartz and J. M. Baird. Non-Woven fiber barriers for control of agricultural pests. U.S. Patent 6,052,943.
Frey, M. W., C. Xiang, M. P. Hoffmann, A. Taylor, and J. Gardner. Controlled release agricultural chemical delivery system. Patent Application No.: 61/166,995

PUBLICATIONS

Refereed: 97

Book Chapters: 10

Extension: 21

Technical/Proceedings: >75

Refereed since 2006:

- Mazourek, M.M., L.Brzozowski, B. Leckie, J. Gardner, and M. Hoffmann, M. 2016. *Curcubita pepo* subspecies delineates striped cucumber beetle (*Acalymma vittatum*) preference. Horticulture Research. 16028; doi:10.1038/hortres.2016.28
- Gardner, J. and M. P. Hoffmann. 2016. Aerodynamic separation of parasitized from unparasitized insect host eggs. Biocontrol Science and Technology. DOI: 10.1080/09583157.2016.1141174
- Dixon, M., M. B. Deline, K. McComas, L. Chambliss, & M. Hoffmann. 2015. Saving Energy at the Workplace: The Salience of Behavioral Antecedents and Sense of Community. Energy Research and Social Science 6: 121-127.
- Dixon, G., M. Deline, K. McComas, L. Chambliss & M. P. Hoffmann. 2015. Using comparative feedback to influence workplace energy conservation: A case study of a university campaign. Environment and Behavior. 47: 667-693
- Gardner, J., T.-H. Yong, S. A. Pitcher, and M. P. Hoffmann. 2013. Overwintering of *Trichogramma ostriniae* (Hymenoptera: Trichogrammatidae) within target and non-target hosts. Biocontrol Science and Technology. DOI:10.1080/09583157.2012.761175
- Gardner, J., M. G. Wright, T. P. Kuhar, S. A. Pitcher and M. P. Hoffmann. 2012. Dispersal of *Trichogramma ostriniae* in Field Corn. Biocontrol Science and Technology 22: 1221-1233.
- Gardner, J., M. P. Hoffmann, S. A. Pitcher and J. P. Nyrop. 2012. Recurrent warming to improve cold storage of Trichogrammatids. Biocontrol Science and Technology 22: 261-270.
- Gardner, J., M. P. Hoffmann, S. A. Pitcher and J. K. Harper. 2011. Integrating insecticides and *Trichogramma ostriniae* to control European corn borer in sweet corn: Economic analysis. Biological Control 56: 9–16
- Kain, D. P., M. P. Hoffmann, J. Gardner, and A. Agnello. 2010. Physical barriers to prevent dogwood borer (Lepidoptera: Sesiidae) infestation of apple burrknots. J. Entomol. Sci. 45: 35-43
- Crampton, L. A. G. M. Loeb, K. A. Hoelmer, and M. P. Hoffmann. 2010. Effect of insecticide regimens on biological control of tarnished plant bug, *Lygus lineolaris*, by *Peristenus* spp., in New York State apple orchards. J. Insect Science 10:36
- Smyth, R. R., and M. P. Hoffmann. 2010. Seasonal incidence of two co-occurring adult parasitoids of *Acalymma vittatum* in New York State: *Centistes (Syrphizus) diabroticae* and *Celatoria setosa*. BioControl. 55: 219-228.
- Gardner, J., M. P. Hoffmann, S. A. Cheever, A. J. Seaman, P. Westgate, and R. V. Hazzard. 2007. Large-scale releases of *Trichogramma ostriniae* to suppress *Ostrinia nubilalis* in commercially grown processing and fresh market sweet corn. J. Appl. Entomol. 131: 432-440.
- Fuchsberg, J. R., T.-H. Yong, J. E. Losey, M. E. Carter, and M. P. Hoffmann. 2007. Evaluation of corn leaf aphid (*Rhopalosiphum maidis*; Homoptera: Aphididae) honeydew as a food source for the egg parasitoid *Trichogramma ostriniae* (Hymenoptera: Trichogrammatidae). Biological Control 40:230-236.
- Yong, T.-H., S. Pitcher, J. Gardner, and M. P. Hoffmann. 2007. Odor specificity testing in the assessment of efficacy and non-target risk for *Trichogramma ostriniae* (Hymenoptera: Trichogrammatidae). Biocontrol Science and Technology 17: 135-153.

Yong, T.-H. and M. P. Hoffmann. 2006. Habitat selection by the introduced biological control agent *Trichogramma ostriniae* (Hymenoptera: Trichogrammatidae) and implications for non-target effects. *Environmental Entomology* 35: 725-732.

Hoffmann, M. P., S. A. Pitcher, S. A. Cheever, J. E. Losey, T. P. Kuhar; C. A. Laub, and R. R. Youngman. 2006. Efficacy of inoculative releases of *Trichogramma ostriniae* (Hymenoptera: Trichogrammatidae) against European corn borer *Ostrinia nubilalis* (Lepidoptera: Crambidae) in field corn. *Biological Control* 36: 345-349.

Books & Book Chapters since 2006:

Philips, Christopher R., Kuhar Thomas P, Hoffmann, Michael P, Zalom, Frank G., Hallberg, Rosemary., Herbert, D. Ames, Gonzales, Christopher, and Elliott, Steve. 2014. Integrated Pest Management. In: eLS. John Wiley & Sons, Ltd: Chichester. DOI: 10.1002/9780470015902.a0003248.pub2

Hoffmann, M. P., F. G. Zalom and T. P. Kuhar. 2006. Integrated Pest Management. *In Encyclopedia of Life Sciences*. John Wiley & Sons, Ltd: Chichester. <http://www.els.net/>

Selected Extension Publications since 2006:

Hoffmann, M. 2014. So what's with the weather? Starting a conversation about climate change. NY Farm Bureau Newsletter Grassroots. Feb. p. 21.

Hoffmann, M. 2014. Less talk, more action on climate. *American Agriculturist*. July. P. 6-7.

Broadway, R. M., T.-H. Yong, S. Pitcher, M. P. Hoffmann, and M. L. Flint. 2006. *Natural Enemies: Your Allies in Managing Insect Pests* [CD-ROM]. Cornell University and University of California