

T. Michael Kates
Curriculum Vitae

243 Natural Science
Michigan State University
East Lansing, MI 48824

Employment and Educational Objective:

To gain an understanding and specialty in the areas of agriculture and development with a focus on pest control systems and methodologies.

Education:

(In Progress) Michigan State University, East Lansing, Michigan
M.S. Entomology

(2009) Michigan State University, East Lansing, Michigan
B.S. Entomology, With Honors

(2005) Black River Public School, Holland, Michigan
With Honors

Employment Experience:

(2009-Present) Research Assistant MSU Field Crops Entomology Lab

Soybean aphid control research- fieldwork investigating biological control, host plant resistance and general aphid biology. Assisting in western bean cutworm research and

(2006-2009) Undergraduate Assistant MSU Holistic Insect Systematics Laboratory

Identification and catalog of invasive *Siricid* Wood Wasps
Data entry and database maintenance of PEET *Scolytid* website

(2006-2008) Spring Hill Camps, Evart, MI

One-on-one aid for children with special needs and outdoor education coach
Area director and supervisor of counselors, staff, programming and activities

(2005-2006) Michigan State Akers Hubbard Dining Complex

Level I Cook, Perfect Attendance Award

(2003-2005) Harborside Galley Delicatessen, Holland, MI

Cook and cashier
Catering and European style sandwiches

(2001) Dr. Steven Paxton, Ludington, MI

Veterinary assistant

(1998-2002) White Pine Village, Mason County Historical Society

Interpreter, character actor, and musician

Honors and Achievements:

National Honor Society, Black River Public School
Friends of The NRA Essay Competition, First Place, 2002
Lakeshore All-Star Lacrosse Team, Goalie, 2004
Varsity Letter, Black River Soccer Team
Coach's Award, Varsity Soccer, Black River Public School, 2004
AP Scholar, 2005
MSU Deans List, Spring 2006, Fall 2007, Spring 2008, Fall 2008
MSU College of Agriculture and Natural Resources Outstanding Senior Award, 2009
Representative of Michigan State University and the United States of America to the 8th
International Students Summit on Food, Agriculture and the Environment in the New
Century, Tokyo University of Agriculture, Nodai Japan. 2008

Organizations and Departmental Involvement:

Member- Entomological Society of America
GUESS student representative to entomology faculty

Extension Presentations:

2010 Aphid Outlook. Soybean 2010 meeting. Lawrence, MI. February 4, 2010.
(120 Attendees)

Scientific Presentations:

K. J. Tilmon, N. Seiter, C. Krupke, **M. Kates**, C. DiFonzo, T. Heidel, D. Ragsdale,
D. Prischmann, B. McCornack, D. Hogg, 2010. Interaction Between Host Plant
Resistance and Biological Control of the Soybean Aphid. North Central Branch
Entomological Society of America Meeting, Louisville, KY.

Kates, T. M., C. DiFonzo, D. Wang, 2009. Performance of soybean with rag1/rag3
resistance to soybean aphid (*Aphis glycines*) in potassium-deficient field
conditions. Entomological Society of America National Meeting, Indianapolis,
IN.

Publications:

Kates, T. M., 2009. Teaching Sustainability: The Role of Education in the Creation of
Sustainable Agriculture Systems. TUA Press. Tokyo, Japan.

Special Projects:

Teaching Collection Assembly:
2007 Entomology Teaching Lab
2008 4-H Children's Garden

Community Involvement:

(2006-2007) Akers Hall Residence Association Government

Treasurer (2006-2007)
Vice President (2007)
(2005-present) MSU Campus Crusade for Christ
Worship Team Percussionist (2006-2009)
Akers Hall Leader (2006-present)
Music Coordinator (2007-2009)

(2008-present) Riverview Church, Holt, MI.
RivBuddies- One-on-one aid for children with special needs
Middle School Mentor

(2008-present) 4-H Children's Garden, East Lansing, MI.
Volunteer, Entomology consultant

Braemen Hill Bluegrass Band, Mandolinist

Real Life Fellowship Worship Team Percussionist

International Travel:

Germany (2004, 2008), Poland (2005), Austria (2008), Canada, Japan (2008)