

CURRICULUM VITAE

KATIE MURRAY

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Integrated Plant Protection Center
Assistant Professor of Practice
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A. EDUCATION AND EMPLOYMENT INFORMATION

Education

- M.A. Applied Anthropology: Natural Resources and Communities. Oregon State University, 2007.
- B.A. Psychology, Philosophy. University of Alabama in Huntsville, 2000.

Employment

- Program Leader, IPM Engagement and Implementation Program, Integrated Plant Protection Center, Oregon State University, 2016-present
- Pacific Northwest Information Network Coordinator, USDA Western Integrated Pest Management Center, 2014-present
- Faculty Research Assistant, Integrated Plant Protection Center, Oregon State University, 2007-2017
- Sustainable Rural Communities Initiative Research Fellow, Dept of Anthropology, Oregon State University, 2005-2007
- Community Food Systems Intern, Small Farms Program, Oregon State University, 2006-2007
- English Teacher, United States Peace Corps, Mongolia, 2003-2005

Widespread adoption of IPM and sustainable agricultural practices requires a fully functional and connected agricultural system that accommodates feedback between farmers, locally relevant education and research, and regulatory policy. I build participatory processes that engage and connect farmers and farming groups with other key agents in the system including researchers, educators, government regulators and natural resource agencies, to create an efficient and adaptive system. The program I lead seeks to further develop and strengthen local and regional agriculture by ensuring that needs are rapidly identified, and that knowledge, education, technological, and other support mechanisms are deployed.

Publications

- Farrar JJ, Ellsworth PC, Sisco R, Baur ME, Crump A, Fournier AJ, Murray MK, Tarutani CM, Dorschner KW, Jepson PC (2018). Assessing the compatibility of a

pesticide in an Integrated Pest Management program. *Journal of Integrated Pest Management*. doi.org/10.1093/jipm/pmx032

Manual chapter:

- Jepson PC, Murray MK, Bach O, Kachingamba D, Ndeithi F, Milano JK, McCracken T, Onyango D, Nthenga I, Agboka K, Byantwala S, De Groote H (2018). Pesticide Hazard and Risk Management and Compatibility with IPM, Chapter 3 of Fall Armyworm in Africa: A guide for integrated pest management, first edition. https://feedthefuture.gov/sites/default/files/resource/files/FallArmyworm_IPM_Guide_forAfrica.pdf

Special Reports:

- Farrar, James, et al. (2015). Integrated Pest Management Improvements in Hops from 2008 to 2015. A special report publication of the Western Ipm Center. <http://westernipm.org/index.cfm/about-the-center/publications/special-reports/ipm-improvements-in-hops-pdf/>

IPM Strategic Plans:

- Murray, Jepson, Bouska, and Patten (2017). Integrated Pest Management Strategic Plan for Oregon and Washington Cranberries.
- Murray, K., Jepson, P., and Reitz, S. (2017). An Integrated Pest Management Strategic Plan for Treasure Valley Onions: Oregon and Idaho. Oregon State University Extension Publication EM 9187. <https://catalog.extension.oregonstate.edu/em9187>

Pest Management Strategic Plans:

- Murray and DeFrancesco (2016). Pest Management Strategic Plan for Wine Grapes in Oregon.
- Murray and DeFrancesco (2014). Pest Management Strategic Plan for Pears in Oregon and Washington.
- DeFrancesco and Murray (2011). Pest Management Strategic Plan for Blueberries in Oregon and Washington, Revision.
- DeFrancesco and Murray (2010). Pest Management Strategic Plan for Bivalves in Oregon and Washington.
- DeFrancesco and Murray (2009). Pest Management Strategic Plan for Christmas Trees in Oregon, Washington, and Idaho.
- DeFrancesco and Murray (2008). Pest Management Strategic Plan for Hops in Oregon, Washington, and Idaho.

Master's Thesis:

- Murray, Mary K. (2007). Challenges to re-embedding food systems: Tracing the decline and revival of a farmers' market on the edge. Masters Thesis, Oregon State University.

Presentations

2017

- Presentation to the WERA-1017 Regional Committee regarding the IPMSP model

2016

- Presentation to the Oregon Wine Research Institute regarding best utilization of the Wine Grape Pest Management Strategic Plan August 2016.
- Presentation at the Hermiston Farm Fair: “Tools and Processes to Support Pest Management” December 2016.
- Contribution to seminar on pesticide risk reduction in certified crops at annual ISEAL conference in London, November 2016.
- Presentation/workshop on PMSP/IPMSP delivered to representatives from USDA and USEPA at annual All Centers meeting of Regional IPM Centers, Washington D.C., October 2016
- “Environmental Justice and Research Ethics” Presentation to Kim Anderson’s Research Group, Department of Environmental and Molecular Toxicology, March 2017.

Posters

- Bauer, et al. (2016). Pest Management Strategic Plans: Document Stakeholder Needs – and Generate Funding. Poster presented to the Pacific Branch Entomological Society of America.
- Farrar, et al. (2016). Pest Management Strategic Plans improve investment in integrated pest management in Pacific Northwest hops. Poster presented to the Pacific Division of the American Pathological Society.

Current Grants

- 2016, USDA/NIFA Applied Research and Development Program, “*Integrating Pest Management Strategic Planning with Extension Education*,” PI, \$231,300
- Annually, USDA Western IPM Center, “*Pacific Northwest Regulatory Information Network Coordinator*,” PI, \$32,832.
- 2017, USDA/NIFA Extension Implementation Program, “*Statewide Networks for Overcoming Barriers to IPM Adoption*,” Co-PI, \$858,870 (30% to program).
- 2016, Western SARE, “*Pesticide Risk Reduction through Professional Development for Western State IPM Programs*”, Co-PI, \$63,299 (50% to program).

Awards

- 2012 International IPM Award of Recognition for the Integrated Plant Protection Center, 7th International IPM Symposium, Memphis, USA
- Sustainable Rural Communities Initiative Graduate Fellowship, Oregon State University, 2005-2006,
- Alumni Award, Oregon State University Anthropology Department, 2007
- Southeastern Psychological Association’s Regional Research Award, University of Alabama in Huntsville, 2000