

BRAEDEN VAN DEYNZE

Curriculum Vitae
(Current as of March 2021)

CONTACT INFORMATION

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EDUCATION

Ph.D., Agricultural, Food, and Resource Economics, Michigan State University, 2020
Committee: Scott M. Swinton (chair), Frank Lupi, David A. Hennessy, Trey Malone
Dissertation: “To Spray or Not to Spray: The Economics of Weed and Insect Management Under Evolving Ecological and Social Conditions”
B.S., Economics, Gonzaga University, 2015
B.A., Biology, Gonzaga University, 2015

EMPLOYMENT

Postdoctoral Research Associate, School of Marine and Environmental Affairs, University of Washington (on contract with Northwest Fisheries Science Center, National Oceanic and Atmospheric Administration), January 2020-Present
Graduate Research Assistant, Kellogg Biological Station – Long-Term Ecological Research Program and Dept. of Agricultural, Food, and Resource Economics, Michigan State University, August 2015-December 2019
Instructor, Dept. of Agricultural, Food, and Resource Economics, Michigan State University, August 2018-December 2018
Research Intern, National Parks Conservation Association – Northwest Regional Office, May 2015-August 2015

PEER-REVIEWED PUBLICATIONS ([†]advisee co-author)

Swinton, S.M. and **B. Van Deynze**. 2017. “Hoes to Herbicides: Economics of Evolving Weed Management in the United States.” *European Journal of Development Research* 29(3): 560-574.
Luther, Z.[†], S.M. Swinton, and **B. Van Deynze**. 2020. “What Drives Voluntary Adoption of Farming Practices that Can Abate Nutrient Pollution?” *Journal of Soil and Water Conservation* 75(5): 640-650.

IN REVIEW

Van Deynze, B., S.M. Swinton, and D.A. Hennessy. “Are Glyphosate-Resistant Weeds a Threat to Conservation Agriculture? Evidence from Tillage Practices in Soybean.” *Under revision*.
Luther, Z. [†], S.M. Swinton, and **B. Van Deynze**. “What Incentives Are Needed to Encourage Farmers to Plant Biodiversity-Promoting Prairie Strips?” *Under revision*.

WORKS IN PROGRESS

Van Deynze, B., R. Fonner, B. Feist, S. Jardine, and D. Holland. “Predicting Culvert Replacement Costs for Salmon Habitat Restoration.” *In prep.*

Van Deynze, B., S.M. Swinton, D.A. Hennessy, and L. Ries. “Rapid Adoption of Neonicotinoid Seed Treatments Suppresses Butterfly Population and Diversity Across Agricultural Landscapes in the Upper Midwest, USA.” *In prep.*

Van Deynze, B., T. Malone, and S.M. Swinton. “The Value of Timeliness: How Soybean Farmers Choose to Custom Hire.” *In prep.*

CONFERENCE PRESENTATIONS (* *presented by co-author*)

Luther, Z., S.M. Swinton, and **B. Van Deynze.** “What Incentives Are Needed to Encourage Farmers to Plant Biodiversity-Promoting Prairie Strips?”

1. Selected presentation at University of Michigan Sustainability and Development Conference, Ann Arbor, MI, October 11-14, 2019. *
2. Selected paper presented at the Heartland Environmental and Resource Economics Workshop. Urbana, IL, September 28-29, 2019. *
3. Presentation at the University of Michigan/Michigan State University Energy and Environmental Economics Day. East Lansing, MI, August 21, 2019. *

Van Deynze, B., S.M. Swinton, and L. Ries. “The Butterfly Effect: Do Farms Do Harm?”

1. Selected paper presented at the Heartland Environmental and Resource Economics Workshop. Urbana, IL, September 28-29, 2019.
2. Selected paper presented at the Agricultural and Applied Economics Association annual meeting. Atlanta, GA, July 21-23, 2019.

Luther, Z., S.M. Swinton, and **B. Van Deynze.** “What Drives Voluntary Adoption of Farming Practices that Can Abate Nutrient Pollution?”

1. Selected paper presented at the Agricultural and Applied Economics Association annual meeting. Atlanta, GA, July 21-23, 2019. *
2. Poster presented at 2019 Fate of the Earth Symposium. East Lansing, MI, April 13, 2019. * (*First Place, Poster*)
3. Poster presented at Kellogg Biological Station – Long-Term Ecological Research All-Scientist Meeting. East Lansing, MI, October 6, 2017.
4. Presentation at the University of Michigan/Michigan State University Energy and Environmental Economics Day. Ann Arbor, MI, August 23, 2017.

Malone, T., and **B. Van Deynze.** “Experimental Evidence on the Make-Buy Pesticide Application Decision.”

1. Track session (EXECON/IBES) presentation at the Agricultural and Applied Economics Association annual meeting. Atlanta, GA, July 21-23, 2019. *

Van Deynze, B., S.M. Swinton, and D.A. Hennessy. “Are Glyphosate-Resistant Weeds a Threat to Conservation Agriculture? Evidence from Tillage Practices in Soybean.”

1. Invited presentation at the Alternative Governance Structures for Sustainable Use of Biotechnology preconference workshop at the International Consortium on Applied Bioeconomy Research. Ravello, Italy, June 4, 2019. *

2. Selected paper presented at the Agricultural and Applied Economics Association annual meeting. Washington, DC, August 5-7, 2018.

Van Deynze, B., C.A. Bahlai, and C.R. Zirbel. “Coming to a Computing Consensus: Tools for Successful Collaborations in Broad-Scale Ecology.”

1. Selected workshop at the Long-Term Ecological Research All-Scientists’ Meeting. Pacific Grove, CA, September 30-October 4, 2018.

Van Deynze, B. 2018. “The Effects of Experience on Landowner Preferences over Bioenergy Feedstocks.”

1. Selected paper presented at the 30th International Conference of Agricultural Economists. Vancouver, BC, Canada, July 28-August 2, 2018.
2. Poster presented at Great Lakes Bioenergy Research Center All Scientists Meeting. Lake Geneva, WI, May 17-19, 2016.

Constantinou, S., C. Larson, I. Osei-Bonsu, **B. Van Deynze**, C.R. Zirbel, D. Lagos-Kutz, and C.A. Bahlai. “Environmental Variation Influences Aphid Community Structure Over Large Spatial and Temporal Scales.”

1. Poster presented at Ecological Society of America annual meeting. Portland, OR, August 6-11, 2017. *

Swinton, S.M., and **B. Van Deynze**. “Hoes to Herbicides: Economics of Evolving Weed Management in the United States”

1. Selected poster presented at Agricultural and Applied Economics Association annual meeting. Boston, MA, July 31-August 2, 2016.

OTHER MEDIA

Van Deynze, B. and R. Smith. 2015. “Park on the Edge: Funding Shortfalls at Olympic National Park.” National Parks Conservation Association report.

TEACHING EXPERIENCE

EEM 255: Ecological Economics (3 credits, 69 students), Michigan State University, Fall 2018

ADVISING

Michigan State University: Zachary Luther (M.S. 2020, co-advised with Scott M. Swinton, current Ph.D. student at Vanderbilt University Dept. of Economics, awarded department’s Outstanding Master’s Thesis Award)

AWARDS AND FELLOWSHIPS

Michigan State University Dept. of Agricultural, Food, and Resource Economics Outstanding Doctoral Dissertation Award, 2020

Kellogg Biological Station – Long-Term Ecological Research Summer Research Fellowship, 2018 (\$5,000)

Michigan State University College of Agriculture and Natural Resources Travel Fellowship, 2018 (\$400)

AAEA Graduate Student Case Study Competition, First Place, 2018

National Merit Scholar, 2011

UNIVERSITY SERVICE

Kellogg Biological Station – Long-Term Ecological Research All-Scientists’ Meeting Planning Committee, 2016-2019

Kellogg Biological Station – Long-Term Ecological Research Graduate Student Representative, 2015-2019

EXTERNAL SERVICE AND PROFESSIONAL ACTIVITIES

Long-Term Ecological Research Network Graduate Student Committee, 2018-2019

Selected paper reviewer for: Agricultural and Applied Economics Association annual meeting, 2019 & 2021

Referee for: Journal of Agricultural Economics, Journal of Soil and Water Conservation

PROFESSIONAL AFFILIATIONS

Agricultural and Applied Economics Association, International Association of Agricultural Economists, Association of Environmental and Resource Economics

RESEARCH INTERESTS

Bioeconomics, ecological economics, resource economics, environmental economics, production economics

TECHNICAL PROFICIENCIES

R (preferred), Stata, NLOGIT/NGENE/LIMDEP ecosystem, Wolfram Mathematica (beginner), Python (beginner)

CITIZENSHIP

American