

# **BRAEDEN VAN DEYNZE**

Curriculum Vitae  
(Current as of November 2020)

## **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 and 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**

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?” *In review*.

## WORKS IN PROGRESS

**Van Deynze, B.,** S.M. Swinton, D.A. Hennessy, and L. Ries. “The Butterfly Effect: Do Farms Do Harm?” *In prep.*

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

**Van Deynze, B.,** R. Fonner, B. Feist, S. Jardine, and D. Holland. “Predicting Culver Replacement Costs for Salmon Habitat Restoration.” *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 30<sup>th</sup> 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

## **AWARDS AND FELLOWSHIPS**

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-present

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

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

**PROFESSIONAL AFFILIATIONS**

Agricultural and Applied Economics Association, International Association of Agricultural Economists

**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