

KATHERINE DENTZMAN, Ph.D.

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CURRENT POSITION

8/21 – Present ASSISTANT PROFESSOR in Rural Sociology and Rural Public Policy, Department of Sociology and Criminal Justice, Iowa State University, Ames, IA

PREVIOUS POSITIONS

- 2/21 – 7/21 SOCIAL SCIENCE PROGRAM SPECIALIST, Division of Agricultural Systems, Institute of Food Production and Sustainability, National Institute of Food and Agriculture, United States Department of Agriculture, Kansas City, MO
- 2/21 – 7/21 AFFILIATE FACULTY, Department of Sociology, University of Idaho, Moscow, ID
- 8/20 – 2/21 POSTDOCTORAL RESEARCH ASSOCIATE, Department of Sociology, University of Idaho, Moscow, ID
- 8/20– 2/21 POSTDOCTORAL RESEARCH ASSOCIATE, Department of Crop and Soil Sciences, Washington State University, Pullman, WA
- 7/19 – 7/20 POSTDOCTORAL RESEARCH ASSOCIATE, Department of Agricultural Economics and Rural Sociology, University of Idaho, Moscow, ID
- 3/17 – 7/19 POSTDOCTORAL RESEARCH ASSOCIATE, Department of Crop and Soil Science, Washington State University, Pullman, WA

EDUCATION

- 2017 Ph.D., Sociology
Michigan State University, East Lansing, MI
- 2015 M.A., Sociology – Ecological Food and Farming Systems Specialization
Michigan State University, East Lansing, MI
- 2011 B.A., Environmental Studies (Science Concentration) and Sociology
Central Michigan University, Mount Pleasant, MI

AREAS OF SPECIALIZATION

Sociology of Agriculture, Environmental Sociology, Pest Resistance, Community Management, Socially Disadvantaged Farmers, Mixed Methods, Grantsmanship

PUBLICATIONS

Book Chapters

Dentzman, Katherine and Samuel Mindes. 2020. “Labor and the problem of herbicide resistance: How immigration policies in the US and Canada impact technological development in grain crops.” In Sydney Giacalone and Julian Agyeman (Eds.), *Immigration, Immigrants, Agriculture and Food in North America*. MIT Press: Cambridge, MA.

Peer-Reviewed Journal Articles

Dentzman, Katherine. 2021. “Community Management of Herbicide-Resistant Weeds in the Pacific Northwest”. *Crops & Soils* 54(2): 8-13.

Dentzman, Katherine, and Ian C. Burke. 2021. “Herbicide Resistance, Tillage, and Community Management in the Pacific Northwest”. *Sustainability* 13: 1937. DOI: su13041937

Lochner, Hannah L., Krishona L. Martinson, Alex W. Bianco, Mark L. Hutchinson, Melissa L. Wilson, Lee J. Johnston, and **Katherine E. Dentzman**. 2021. “Owner and Veterinarian Perceptions of Equine Euthanasia and Mortality Composting”. *Journal of Equine Veterinary Science* 99:103402. DOI: 10.1016/j.jevs.2021.103402

Lavoie, Avery Lynn, **Katherine Dentzman**, and Chloe Bradley Wardropper. 2021. “Using diffusion of innovations theory to understand agricultural producer perspectives on cover cropping in the inland Pacific Northwest, USA”. *Renewable Agriculture and Food Systems*. DOI: 10.1017/S174217050000423

Dentzman, Katherine, Clinton Pilcher, Muthukumar Bagavathiannan, Michael Barrett, and Ian Burke. 2020. “Lessons in building community capacity for managing agricultural pests: A Science Policy experience in Iowa.” *Outlooks on Pest Management* 31(6); 249–256.

Dentzman, Katherine, Ryanne Pilgeram, Paul Lewin, and Kelsey Conley. 2020. “Queer farmers in the 2017 US Census of Agriculture.” *Society and Natural Resources*. DOI: 10.1080/08941920.2020.1806421.

Pilgeram, Ryanne, **Katherine Dentzman**, Paul Lewin, and Kelsey Conley. 2020. “How the USDA Changed the Way Women Farmers are Counted in the Census of Agriculture.” *Choices* 35(316).

Frisvold, George B., Joshua Albright, David E. Ervin, Micheal D. K. Owen, Jason K. Norsworthy, **Katherine Dentzman**, Terrance M. Hurley, Raymond A. Jussaume, Jeffery L. Gunsolus, and Wesley Everman. 2020. “Do farmers manage weeds on owned and rented land differently? Evidence from U.S. corn and soybean farms”. *Pest Management Science* 76: 2030–2039.

Dentzman, Katherine and Jessica Goldberger. 2019. “Organic standards, farmers’ perceptions, and the contested case of biodegradable plastic mulch in the United States.” *Journal of Rural Studies* 73: 203–213. DOI: 10.1016/j.jrurstud.2019.11.002

Goldberger, Jessica, Lisa DeVetter and **Katherine Dentzman**. October 2019. “Polyethylene and biodegradable plastic mulches for strawberry production in the United States: Experiences and opinions of growers in three regions.” *Horticulture Technology* 29(5): 619–628.

Dentzman, Katherine and Jessica Goldberger. 2019. “Plastic scraps: Biodegradable plastic mulches and the aesthetics of ‘good farming’ in U.S. specialty crops.” *Agriculture and Human Values*: 37(1): 83–96. DOI: 10.1007/s10460-019-09970-x

Jussaume, Raymond, **Katherine Dentzman**, and Micheal D. K. Owen. 2019. “Producers, weeds, and society.” *Journal of Integrated Pest Management* 10 (1): 1–6. DOI: 10.1093/jipm/pmy017

- Ervin, David, Elise Breshears, George Frisvold, **Katherine Dentzman**, Wesley Everman, Jeffery Gunsolus, Terrance Hurley, Raymond Jussaume, Jason Norsworthy, and Micheal Owen. 2019. "Farming attitudes toward cooperative approaches to herbicide resistance management: A common pool ecosystem service challenge." *Ecological Economics* 157: 237–245.
- Dentzman, Katherine**. 2018. "Herbicide resistant weeds as place disruption: Their impact on farmers' attachment, interpretations, and weed management strategies." *Environmental Psychology* 60: 55–62.
- Dentzman, Katherine**. 2018. "'I would say that might be all it is, is hope': The framing of herbicide resistance and how farmers explain their faith in herbicides." *Journal of Rural Studies* 57: 118–127.
- Dentzman, Katherine** and Raymond Jussaume. 2017. "The ideology of US agriculture: How are integrated management approaches envisioned?" *Society & Natural Resources* 30(11): 1311–1327.
- Dentzman, Katherine**, Ryan Gunderson, and Raymond Jussaume. 2016. "Techno-optimism as a barrier to overcoming herbicide resistance: Comparing farmer perceptions of the future potential of herbicides." *Journal of Rural Studies* 48: 22–32.
- Jussaume, Raymond, and **Katherine Dentzman**. 2016. "Farmers' perspectives on management options for herbicide-resistant weeds." *Choices* 31(4): 1–7.
- McCright, Aaron M., Meghan Charters, **Katherine Dentzman**, and Thomas Dietz. 2016. "Examining the effectiveness of climate change frames in the face of a climate change denial counter-frame." *Topics in Cognitive Science* 8(1): 76–97.
- McCright, Aaron M., **Katherine Dentzman**, Meghan Charters, and Thomas Dietz. 2013. "The influence of political ideology on trust in science." *Environmental Research Letters* 8(4): 044029.

Other Publications

- Dentzman, Katherine** and Avery Lavoie. August 2020. "Sociology and community management of herbicide resistant weeds". *Oregon Wheat*.
- Dentzman, Katherine**. August 2020. "Community management of herbicide resistant weeds in the Pacific Northwest". *Crop & Soils*.
- Dentzman, Katherine** and Avery Lavoie. July 2020. "Community-based management targets herbicide resistant weeds. *Wheat Life*; pg. 39. https://wheatlife.org/Issues/07_WLJuly20web.pdf
- Lyon, Drew, **Katherine Dentzman**, and Ian Burke. June 19, 2020. "Commentary: Herbicide resistance and the COVID-19 pandemic". Capital Press. https://www.capitalpress.com/opinion/columns/commentary-herbicide-resistance-and-the-covid-19-pandemic/article_59a5b5ca-af1c-11ea-989d-f3e084ebc8f1.html
- Dentzman, Katherine** and Avery Lavoie. 2020. "Report – 2019 Tri-State (WA, OR, ID) Grain Growers' Convention special session on community management of herbicide resistant weeds". Weed Science Society of America. <http://wssa.net/wp-content/uploads/Tri-State-Report-for-WSSA-Website.pdf>
- Lavoie, Avery and **Katherine Dentzman**. 2020. "Community-based management approaches to herbicide resistance: Listening session results at the County Weed Board Coordinators' Meeting in Chelan, WA. <http://wssa.net/wssa/weed/resistance/>
- Dentzman, Katherine** and Douglas Hayes. 2019. "The role of standards for use of biodegradable plastic mulches: Truths and myths". *Washington State University Extension Fact Sheet EXT-2019-01*.

<https://ag.tennessee.edu/biodegradablemulch/Documents/Standards%20Factsheet%20Formatted%20revised%2015Jan2019.pdf>

Sun, Huichun, Terrance Hurley, **Katherine Dentzman**, David Ervin, Wesley Everman, George Frisvold, Jeffrey Gunsolus, Jason Norsworthy, and Micheal Owen. 2017. “Economic and behavioral drivers of herbicide resistance management in the US.” In: *Selected Paper Presented at the Agricultural and Applied Economics Association (AAEA) 2017 Annual Meeting, July 30 – August 1, Chicago, Illinois*.

SELECTED CONFERENCE PRESENTATIONS

Katherine Dentzman and Ryanne Pilgeram. 2021. “Women farmers and conservation: The case for sexism as a driving force in women’s farm management choices.” Accepted at the Just Food Conference (joint ASFS/AFHVS/CAFS/SAFN). June 9-15, Virtual Conference.

Katherine Dentzman and Ryanne Pilgeram. 2020. “Same-sex farming couples: An analysis of sustainability and eco-queer theory using USDA Census of Agriculture data.” Presented at the virtual meeting of the Rural Sociological Association’s Gender and Sexualities Research Interest Group. July 15, Virtual Conference.

Ryanne Pilgeram and **Katherine Dentzman**. 2020. “A quantitative analysis of how gender relates to farming methods in the US” Presented at the virtual meeting of the Rural Sociological Association’s Gender and Sexualities Research Interest Group. July 15, Online.

Don Dillman, **Katherine Dentzman**, Kenneth Wallen, and Jessica Goldberger. 2020. “Why survey response rates are falling: Hypotheses and results from initial tests.” Accepted for presentation at the meeting of AAPOR May 14–17, Atlanta, Georgia. *NOTE: Cancelled due to COVID-19

Katherine Dentzman Kenneth Wallen, and Abbey Hammell. 2020. “Survey burden: Results from a diary data collection experiment.” Presented at the meeting of WERA 1010: Improving Data Quality from Sample Surveys to Foster Agriculture, Community and Development in Rural America, February 20-21, Tucson, AZ.

Katherine Dentzman. 2020. “Community-Based Management of Herbicide Resistant Weeds.” Presented at the meeting of AAAS, February 13–16, Seattle, WA.

Katherine Dentzman. 2020. “Community-Based Management of Herbicide Resistant Weeds.” Presented at the Tri-State Grain Growers’ Association Meeting, November 13-16, Spokane, WA.
<http://wagrains.org/podcast/episode-164-the-episodes-about-the-biggest-threat-to-pnw-production-agriculture-2/>

Katherine Dentzman. 2019. “Plastic scraps: Biodegradable mulch films and the aesthetics of ‘good farming’ in U.S. specialty crops”. Presented at the meeting of AFHVS, June 26–29, Anchorage, AK.

Katherine Dentzman. 2019. “Asking the sensitive questions, or: How do you normally kill a horse?” Presented at the meeting of WERA 1010: Improving Data Quality from Sample Surveys to Foster Agriculture, Community and Development in Rural America, February 21–22, Tucson, AZ.

Katherine Dentzman and Jessica Goldberger. 2018. “The ‘standard’ organic: A case study of biodegradable plastic mulch films.” Presented at the Annual Meeting of the Rural Sociological Society, July 26–29, Portland, OR.

Samuel Mindes and **Katherine Dentzman**. 2018. “Labor and the problem of herbicide resistance: How immigration policies in the U.S. and Canada impact technological development in grain crops.” Presented at the Annual Meeting of the Rural Sociological Society, July 26–29, Portland, OR.

SELECTED INVITED PRESENTATIONS, SEMINARS, ETC.

Presenter. “Accessing, understanding, and using data from the USDA’s Census of Agriculture”. USDA NIFA Interesting Facts and Program Stats internal agency seminar. April 14, 2021. Virtual Presentation.

Panelist. Agriculture, Food, and Human Values Job Search Seminar. Representing Government Careers. April 7, 2021. Virtual Panel.

Presenter. “Accessing, understanding, and using data from the USDA’s Census of Agriculture: Lessons learned from our Women in Ag research”. Idaho Cultivating Success Webinar. Recording available at: <https://www.cultivatingsuccess.org/idaho-women-in-ag>

Podcast Guest. “Working together communities of farmers can reduce herbicide resistance”. Wheat All About It. June 16, 2020. Washington Grain Commission Podcasts. <https://wagrains.org/podcast/episode-182-working-together-communities-of-farmers-can-reduce-herbicide-resistance/>

Podcast Guest. “A Community Approach to Herbicide Resistant Weeds with Dr. Katie Dentzman”. WSU Wheat Beat Podcast, with Dr. Drew Lyon. February 17, 2020. Washington State University, Pullman, WA. <http://smallgrains.wsu.edu/wsu-wheat-beat-episode-74/>

Presenter. “ ‘I would say that might be all it is, is hope’: Disruption, attachment, and farmers’ framing of herbicide resistant weeds”. 2019. The International Annual Meeting of the American Society of Agronomy, the Crop Science Society of America, and the Soil Science Society of America, November 10 – 13, 2019, San Antonio, TX.

Participant. 2019 Science Policy Experience: Collaborative Approach to Resistance Management. Weed Science Society of America and Entomological Society of America. August 6 – 7, Omaha, NE to Ankeny, IA.

Presenter. “A sociological perspective on agricultural management practices: Herbicide resistant weeds and biodegradable plastic mulches”. 2018. Department of Agronomy and Plant Genetics Applied Plant Science seminar, University of Minnesota, October 22, Minneapolis, MN.

RESEARCH EXPERIENCE

Postdoctoral Research Associate – Women Farmers on the Rise in the US and Idaho: Understanding and Supporting Women Farm Operators – University of Idaho (July 2019 – February 2021)

Served 50% of time on a transdisciplinary research team funded through a USDA-AFRI grant (#2019-68006-29325) in the program area Small and Medium Sized Farms (Code A1601). Secured access to and conduct statistical analysis (including HLM and SEM) of 2017 Census of Agriculture data related to women and queer farmers’ conservation management and financial success.

PI – Building a Pacific Northwest Herbicide Resistance Initiative– University of Idaho/Washington State University (April 2019 – February 2021)

Served 50% of time as PI on a research project funded by multiple USDA-APHIS grants through the Weed Science Society of America and the R.J. Cook Chair Endowment of the Washington Grain Commission. Coordinated and led four community-based herbicide resistance management groups with wheat growers and other agricultural stakeholders. Collaborated and published with a graduate student researcher.

Co-PI – Equine carcass composting: Demonstration leads to industry adoption. – University of Minnesota (July 2019 – June 2021)

Served as Co-PI (PI Dr. Krishona Martinson) on an interdisciplinary research project funded by the Minnesota Rapid Agricultural Response Fund to study and promote on-farm composting of equine mortalities. Conducted and analyzed surveys of horse owners and veterinarians, collaborated and published with graduate student researcher.

Co-PI – Are over-surveyed people a growing methodological problem? – University of Idaho (March 2019 – Present)

Served as Co-PI on a team of survey researchers compiled from the larger WERA 1010 Rural Survey research group (headed by Dr. Don Dillman and Dr. Steven Swinford). Exploratory study of over-surveying using participant diaries.

Co-PI – Barriers and Bridges to the Adoption of Plastic Mulches in Caneberry Production – Washington State University – (February 2019 – February 2020)

Served as Co-PI on an interdisciplinary mixed methods project investigating biodegradable plastic mulch use on caneberry farms. Served as a consultant on survey development and implementation, interview development, and data analysis.

Postdoctoral Research Associate – Performance and Adoptability of Biodegradable Plastic Mulch for Sustainable Specialty Crop Production – Washington State University (March 2017 – July 2019)

Member of the Technology Adoption Working Group; part of a large transdisciplinary project (USDA-NIFA SCRI) involving an extensive stakeholder advisory group. Planned and conducted farmer case studies, experiential extension field days, and stakeholder focus groups.

Co-PI – Integrating Human Behavior and Agronomic Practices to Improve Food Security by Reducing the Risk and Consequences of Herbicide-Resistant Weeds in the Pacific Northwest – Washington State University (August 2017 – May 2019)

Served as co-PI on a survey of the social dimensions of herbicide resistant weeds in the Pacific Northwest. Leadership and coordination, grant writing, survey implementation, quantitative data analysis, and dissemination of information to farmers and other stakeholders.

Focus Group Facilitator – SWOT (Strengths, Weaknesses, Opportunities, Threats) Analysis: Working Together to Strengthen Our Local Food System – University of Idaho (June–August 2018)

Focus group facilitator with Dr. Kate Painter at University of Idaho on a project (Western SARE) investigating local food systems in Idaho.

Research Assistant – Integrating Human Behavior and Agronomic Practices to Improve Food Security by Reducing the Risk and Consequences of Herbicide-Resistant Weeds – Michigan State University (June 2014 – December 2016)

RA with Dr. Raymond Jussaume on a multi-university interdisciplinary project funded by a USDA-NIFA AFRI grant. Conducted extensive literature reviews, led 12 farmer focus groups, developed a national survey, conducted statistical and qualitative analysis of data, created reports, and disseminated information to farmers and other stakeholders.

Research Assistant – National Climate Change Survey – Michigan State University (June 2013)

RA with Dr. Aaron McCright and Dr. Thomas Dietz. Designed embedded survey experiments, administered surveys, conducted data analyses, and co-authored papers.

Research Assistant – Borderlands Habitat Restoration Initiative, Arizona (June–August 2012)

RA with Dr. Gary Nabhan. Designed and implemented a pilot survey, analyzed data, and presented results to members and guests of the Borderlands Habitat Restoration Initiative.

Research Assistant – University of Shiga Prefecture, Hikone, Japan (June–August 2010)

RA with Dr. Kenji Iwama. Collected soil samples from experimental rice paddy plots, analyzed soil quality (pH, EC, and CEC tests), and presented results.

GRANTS AND FELLOWSHIPS

Received

Building a Pacific Northwest herbicide resistance initiative. (October 2020 – September 2021) **Weed Science Society of America; USDA-Animal and Plant Health Inspection Service.** (\$15,000)
PI: **Katherine Dentzman.** Co-PI: Ian Burke. Collaborators: Drew Lyon, Douglas Finkelburg, Joan Campbell.

Building a Pacific Northwest herbicide resistance initiative. (October 2019 – September 2020) **Weed Science Society of America; USDA-Animal and Plant Health Inspection Service.** (\$15,000)
PI: **Katherine Dentzman.** Co-PI: Ian Burke. Collaborators: Drew Lyon, Douglas Finkelburg, Joan Campbell, Steve Riggers, Brit Ausman.

Building a Pacific Northwest herbicide resistance initiative. (October 2019 – September 2020) **Weed Science Society of America; USDA-Animal and Plant Health Inspection Service.** (\$31,000)
PI: **Katherine Dentzman.** Co-PI: Paul Lewin. Collaborators: Ian Burke, Drew Lyon, Douglas Finkelburg, Joan Campbell, Steve Riggers, Brit Ausman.

Building a Pacific Northwest herbicide resistance initiative. (June 2019 – October 2019) **Weed Science Society of America; USDA-Animal and Plant Health Inspection Service.** (\$10,548.37) PI: **Katherine Dentzman.** Co-PI: Paul Lewin. Collaborators: Ian Burke, Drew Lyon, Douglas Finkelburg, Joan Campbell, Steve Riggers, Brit Ausman.

Equine carcass composting: Demonstration leads to industry adoption. (July 2019 – June 2021) **Rapid Agricultural Response Fund; MN Agricultural Experiment Station.** (\$155,625). PI: Dr. Krishona Martinson. Project Team: Melissa Wilson, Alex Bianco, Mark Hutchinson, and **Katherine Dentzman.**

Dissertation Completion Fellowship (\$7,000) – awarded by the Graduate College at Michigan State University, Spring 2017

Career Bridge Stipend for travel to and presentation at the Japan Center for Michigan Universities (\$3,000) – awarded by the Japan Foundation of New York, Spring 2014

Not Received

Same-Sex Married Farmers: The roles of gender, sexuality, and marriage in farm sustainability. **USDA Agriculture and Food Research Initiative – Rural Economic Development.** (\$200,000). PI: Katherine Dentzman. Co-PI: Ryanne Pilgeram. Collaborating Investigator: Paul Lewin.

Farmworkers and COVID-19: Impacts and Planning in the Pacific Northwest. **Russell Sage Foundation.** (\$157,500). PI: Samuel Mindes. Co-PI's: **Katherine Dentzman.** Senior Personnel: Paul Lewin, Ryanne Pilgeram, Marcia Ostrom, Karie Boone.

Farmworkers and COVID-19: Impacts and Planning in the Pacific Northwest. **Urban Institute.** (\$170,600). PI: Samuel Mindes. Co-PI's: **Katherine Dentzman.** Senior Personnel: Paul Lewin, Ryanne Pilgeram, Marcia Ostrom, Karie Boone.

Catalyzing international transdisciplinary research on the global herbicide resistance epidemic. **NSF CNH2 (Dynamics of Integrated Socio-Environmental Systems) Program for Research Coordination Network.** (\$500,000). PI: David Ervin. Co-PI's: Hugh Beckie, **Katherine Dentzman,** Paul Neve, and David Shaw. Senior Personnel: Amy Asmus, Muthukumar Bagavathiannan, Michael Barrett, William Chism, Arlene Cotie, Rob Freckleton, George Frisvold, Nicholas Jordan, Raymond Jussaume, Terrence Hurley, Susan Koehler, Addie Mayfield, Alice Milne, Rebecca Neimiec, Micheal Owen, Clint Pilchner, Carl Reinhardt, Jill Schroeder, Heidi Stallman, Rene VanAcker, and Luiz Cerdeira.

Measuring and increasing awareness of equine carcass composting as a disposal option. **USDA Agriculture and Food Research Initiative – Inter-Disciplinary Engagement in Animal Systems.** (\$20,000). PI: **Katherine Dentzman.** Co-PI: Stacy Doumit.

AWARDS AND RECOGNITIONS

Capital Press Western Innovator. 11/8/19. https://www.capitalpress.com/ag_sectors/research/western-innovator-researcher-studies-human-side-of-issue/article_cd5ac4f0-f1c2-11e9-95b7-3baafe8dc65a.html

TEACHING

Courses Taught at University of Idaho

SOC 499: Directed Study (Women and Minority Farmers in the USDA Census of Agriculture), Spring 2020

Courses Taught at Washington State University

AFS 590: Sociology of Agriculture and Food Systems, Spring 2019

Courses Taught at Michigan State University

SOC 100: Introduction to Sociology, Spring 2014 (Teaching Assistant – Recitation Section Leader)

Designed and led two class sessions per week, including lecture, discussion, projects, readings, and assignments

SOC 100: Introduction to Sociology, Fall 2013 (Teaching Assistant – Recitation Section Leader)

Designed and led two class sessions per week, including lecture, discussion, projects, readings, and assignments

SOC 216: Sex and Gender, Spring 2013 (Teaching Assistant)

Responsible for grading tests and assignments, developing rubrics, addressing student questions/concerns, and occasional lecturing

SOC 216: Sex and Gender, Fall 2012 (Teaching Assistant)

Designed and taught one lecture per week in addition to grading and addressing student questions/concerns

ISS 335: National Diversity and Change in the US, Spring 2012 (Teaching Assistant)

Responsible for grading tests and assignments, developing rubrics, addressing student questions/concerns, and occasional lecturing

SOC 215: Race and Ethnicity, Fall 2011 (Teaching Assistant)

Responsible for grading tests and assignments, developing rubrics, addressing student questions/concerns, and occasional lecturing

Selected Guest Lectures

“Organic gardening and farming: The social sustainability dimension” in *Soil_Sci 101: Organic Farming Gardening* (Dr. John Reganold), Washington State University. April 21, 2020.

“GMOs and Social Theory in Agriculture” in *SOC/ANTH 350: Food, Culture, and Society* (Dr. Ryanne Pilgeram), University of Idaho. February 11, 2020.

“Organic gardening and farming: The social sustainability dimension” in *Soil_Sci 101: Organic Farming Gardening* (Dr. John Reganold), Washington State University. April 9, 2019.

“Public agricultural research and the land grant system” in *AFS 590: Sociology of Agriculture and Food Systems* (Dr. Jessica Goldberger), Washington State University. January 23, 2019.

“Introduction to Rural Sociology/Sociology of Agriculture” in *AFS 590: Sociology of Agriculture and Food Systems* (Dr. Jessica Goldberger), Washington State University. January 16, 2019.

“The Goldschmidt hypothesis: Systems of agriculture and quality of life” in *Crop_Sci 403/503: Advanced Cropping Systems* (Dr. Ian Burke), Washington State University. November 8, 2018.

“Biodegradable plastic mulches and the adoption-diffusion model in agriculture” in *AFS 336: Agriculture, Environment, and Community* (Dr. Jessica Goldberger), Washington State University. September 27, 2018.

“Organic gardening and farming: The social sustainability dimension” in *Soil_Sci 101: Organic Farming Gardening* (Dr. John Reganold), Washington State University. April 12, 2018.

“The Goldschmidt hypothesis: Systems of agriculture and quality of life” in *Crop_Sci 403/503: Advanced Cropping Systems* (Dr. Ian Burke), Washington State University. November 14, 2017.

“Sociology in Agriculture and the Environment” in *AFS 101: Introduction to Agriculture and Food Systems* (Dr. Holly Henning-Yeager), Washington State University. November 8, 2017.

“Social research methods in real-life research situations” in *SOC 320: Introduction to Social Research* (Samuel Mindes), Washington State University. October 11, 2017.

“Actor network theory: It’s application in agriculture” in *AFS 336: Agriculture, Environment, and Community* (Dr. Jessica Goldberger), Washington State University. September 21, 2017

STUDENTS MENTORED

Graduate

Huan Zhang, PhD Dissertation in Small Fruit Horticulture, Department of Horticulture, Washington State University. Serve as Co-PI, aid in survey development, reader for dissertation chapter, co-author.

Avery Lavoie, MA Thesis in Environmental Science, Department of Natural Resources and Society, University of Idaho. Employ as Graduate Research Assistant on WSSA Herbicide Resistance Grant, reader for Masters' Thesis, aid in methodology and analysis, co-author

Hannah Lochner, MA in Animal Science, Department of Animal Science, University of Minnesota. Serve as Co-PI. Aid in survey development, administration, and analysis. Co-author on resulting articles.

Undergraduate

Falin Wilson, Undergraduate Research Assistant, B.A. in Sociology and Minor in Business, Department of Sociology, University of Idaho. Employ as Undergraduate Research Assistant on Women in Farming Grant, act as instructor for Directed Study, co-author.

Abigail Burroughs, Honors Thesis in Animal Science, Department of Animal Science, University of Minnesota. Reader for Honor's thesis, aid in data analysis.

PROFESSIONAL SERVICE

Conventional Pesticide Resistance Working Group; Pesticide Program Dialogue Committee; Environmental Protection Agency (2021-2022)

Nominated position. Provide recommendations to the EPA on how the agency can assist stakeholders in addressing the challenges of conventional pesticide resistance. Focus on assessing EPA Bt cotton regulation policy' applicability to other pest resistance technologies.

Farm Bill Section 12514 Report Writing Team for USDA NIFA (2021).

Contribute to brainstorming, drafting, and writing of report on NIFA activities related to 1890's, 1862's, and underserved farming groups. Collate data from Census of Agriculture.

Circular Economies for a Sustainable Future Programming Team for USDA NIFA

Provide social science perspective and editing on white paper draft to aid in beginning establishment of new grant program focused on circular economies.

Nutrition Security and Food Equity Team for USDA NIFA

Cross-institute team to address the new Administration's nutrition security priority with an emphasis on equity. Provide insight on farm-to-fork and ag systems dimension of project.

Executive Secretary of the Climate Change Core Team for USDA NIFA

Attend weekly meetings, participate in coordination activities, strategize new funding opportunities, implement new competitive programs within NIFA, and connect with other people/groups in NIFA or outside NIFA to enact the Biden Administration's priority focus on climate change.

Weed Science Society of America/NIFA Liaison Team

Equality USDA Member (2021 – Present)

Western SARE Farmer/Rancher Grant Reviewer (2020)

Co-Chair of the Membership Committee for Agriculture, Food, and Human Values Society (AFHVS) (2021-2022)

WSSA Herbicide Resistance Education Committee (August 2019 – Present)

Graduate Student/Early-Career Professional Representative to the AFHVS Board (2018 – 2021)

Membership Committee for AFHVS (2019-2020)

Program Committee for AFHVS (2018–2019)

UNIVERSITY SERVICE

Advisor to the Washington State University Chapter of Minorities in Agriculture, Natural Resources, and Related Sciences (2019)

Secretary of the Washington State University Postdoctoral Association (Fall 2018 – Summer 2019)

Chair of the Community Outreach Committee for the Washington State University Postdoctoral and Professional Research Association (2017 – Summer 2019)

Member of the Selection Committee, Alexander A. Smick Scholarship for Rural Community Service and Development, Washington State University (2018)

Undergraduate Education Committee Member, Michigan State University (Fall 2014 – Spring 2016)

RESEARCH AND TECHNICAL SKILLS

- Surveys – Local, Regional, and National
- Focus Groups – Traditional and Visual
- Interviews – In-depth, In-person, Phone
- Case Studies, Extension Field Days – Hands-on, Tactile Space
- Statistics; Structural Equation Modeling; Hierarchical Linear Modeling
- Software: STATA, SPSS, Qualtrics, HLM7, LISREL

PROFESSIONAL MEMBERSHIPS

- Agriculture, Food, and Human Values Society (AFHVS)
- Rural Sociological Society (RSS)
- American Sociological Association (ASA)
- International Sociological Association (ISA) – RC40: Agriculture and Food
- Weed Science Society of America (WSSA)
- Crop Science Society of America (CSSA)
- WERA 1010: Improving Data Quality from Sample Surveys to Foster Agricultural, Community and Development in Rural America