

GEORGINE GRACE YORGEY

Office Phone: (206) 235-7154

Email: yorgey@wsu.edu

Address: Puyallup Research and Extension Center, 2606 West Pioneer, Puyallup, WA 98371

EDUCATION

Master of Public Administration. Daniel J. Evans School of Public Affairs, University of Washington, Seattle WA. June 2008.

Degree Project: Local meat for local meals: An assessment of demand for a mobile slaughtering unit in Pierce, King, Kitsap and Thurston Counties

Advisor: Diana Fletschner.

Bachelor of Arts with High Honors. Major in Biology. Minor in Sociology and Anthropology. Swarthmore College, Swarthmore, PA. May 1999.

Thesis: Nitrogen availability and native plants' nutrient responses in the heath barrens and surrounding forests of the Pocono Plateau, Pennsylvania

Advisor: Roger Latham

Sociology and intensive Turkish language. Middle East Technical University, Ankara, Turkey. Jan – Jul 1997.

PROFESSIONAL EXPERIENCE

- 2024 – Current Director, Energy Program, Washington State University
- 2024 – Current Senior Research Fellow, Center for Sustaining Agriculture & Natural Resources, Washington State University
- 2024 – Current Affiliate Faculty, Department of Biological Systems Engineering, Washington State University
- 2009 – Current Washington State University Center for Sustaining Agriculture and Natural Resources, Associate Director (2017-2024). Previously Assistant Director (2015-2017) and Associate in Research (2009-2015).
- 2008 – 2009 Lead Research Analyst & Research Coordinator, University of Washington Evans School of Public Affairs. Research support for the agricultural policy and statistics group at the Bill & Melinda Gates Foundation.
- 2008 – 2009 Project Coordinator. King County Extension, Washington State University, Renton, WA.
- 2007 – 2008 Teaching Assistant for Public Budgeting & Financial Management. Research Assistant, Benefit-Cost Analysis. University of Washington, Seattle, WA.
- 2002 – 2007 Project Director and Urban Agriculture Coordinator, East New York Farms! United Community Centers, Brooklyn, NY.
- 2001 Farm Operations. The Rodale Institute, Kutztown, PA.
- 1999 – 2001 Investigator. The Legal Aid Society, New York, NY.

PEER REVIEWED PUBLICATIONS¹

Journal Articles

- Boone, K., G. Yorgey, S.A. Hall, C.E. Kruger and B. Sallato. In prep. Planning for the 'New Normal': Assessing Farmworker Support Organizations' Climate-Related Impacts and Adaptation Strategies. Anticipated submission to *The Journal of Agriculture, Food Systems, and Community Development*. **(2-6)**.
- Noorazar, H., Jones, V.P., Yorgey, G.G., Hall, S.A., Kruger, C.E. and Rajagopalan, K. (In prep). "Codling moth pest pressures and pest control efficacy under climate change." *Climatic Change*, preprint (2022): <https://doi.org/10.21203/rs.3.rs-1946398/v1> **(1, 5, 6)**
- Deol, S., G. Yorgey, J. Yoder, K. Rajagopalan, M. Brady, D. Haller, J. Padowski, R.T. Peters, R. Young, and J. Cook. In revision. Experience With and Attitudes Towards Seasonal Forecasts, Consumptive Use Monitoring, Water Rules and Regulations, and Water Markets: A Survey of Irrigators in Four sub-basins in Washington State. Submitted to the *Journal of the American Water Resources Association*. **(2, 3, 6)**
- Hall, S., A. Whittemore, J. Padowski, M. Yourek, G. Yorgey, K. Rajagopalan, S. McLarty, F. Scarpore, M. Liu, C. Asante-Sasu, A. Kondal, M. Brady, R. Gustine, M. Downes, M. Callahan, and J. Adam, J. 2024. Concurrently assessing water supply and demand is critical for evaluating vulnerabilities to climate change. *Journal of the American Water Resources Association*. **(1-2; 6)**
- Ball, K., I.C. Burke, D.P. Collins, C.E. Kruger, and **G.G. Yorgey**. 2023. Digging deeper: Assessing the predictive power of common greenhouse gas accounting tools for soil carbon sequestration under organic amendment. *Journal of Cleaner Production*, 429, 139448. <https://doi.org/10.1016/j.jclepro.2023.139448>. **(1-2; 6)**
- Hudson, T.D., M.R. Reeves, S.A. Hall, **G.G. Yorgey**, and J.S. Neibergs. 2021. Big landscapes meet big data: Informing grazing management in a variable and changing world. *Rangelands*. doi: 10.1016/j.rala.2020.10.006 **(1-2, 6)**
- Hills, K., **G. Yorgey**, and J. Cook. 2020. Demand for bio-based fertilizers from dairy manure in Washington State: A small-scale discrete choice experiment. *Renewable Agriculture and Food Systems*, 1-8. doi: 10.1017/S174217052000023X **(1-2, 6)**
- Stacey, N., K. Hills, and **G. Yorgey**. 2020. Estimating and Comparing Nitrogen from Dairy Manure and Crop Nitrogen Needs in Whatcom County, Washington. *Renewable Agriculture and Food Systems*. DOI: 10.1017/S1742170520000198 **(1-2, 5-6)**
- Hills, K., H. Collins, **G. Yorgey**, A. McGuire, and C. Kruger. 2020. Improving Soil Health in Pacific Northwest Potato Production: A Review. *American Journal of Potato Research*. 97(1):1-22. DOI: 10.1007/s12230-019-09742-7. **(2, 4, 6)**
- Borrelli, K.A., G.E. Roesch-McNally, J.D. Wulfhorst, S.D. Eigenbrode, **G.G. Yorgey**, C.E. Kruger, L.L. Houston, L.A. Bernacchi, and R.L. Mahler. 2018. Farmers' trust in sources of production and climate information and their use of technology. *Journal of Extension*, 56(3), Article 3FEA7. Available at: <https://tigerprints.clemson.edu/joe/vol56/iss3/21/>. **(3, 6)**
- Rajagopalan, K., K.J. Chinnayakanahalli, C.O. Stockle, R.L. Nelson, C.E. Kruger, M.P. Brady, K. Malek, S. Dinesh, M.E. Barber, A.F. Hamlet, **G.G. Yorgey**, and J.C. Adam. 2018. Impacts of near-term

¹Key to indicators or description of contributions to Publications and Creative Work: 1 = Developed the initial idea; 2 = Obtained or provided funds or other resources; 3 = Collected data; 4 = Analyzed data; 5 = Wrote/created product; 6 = Edited product.

climate change on irrigation demands and crop yields in the Columbia River Basin. *Water Resources Research*, 54(3), 2152-2182. doi: 10.1002/2017WR020954. **(3, 6)**

Pan, W., W. Schillinger, F. Young, E. Kirby, **G. Yorgey**, K. Borrelli, E. Brooks, V. McCracken, T. Maaz, S. Machado, I. Madsen, J. Johnson-Maynard, L. Port, K. Painter, D. Huggins, A. Esser, H. Collins, C. Stockle, and S. Eigenbrode. 2017. Integrating historic agronomic and policy lessons with new technologies to drive farmer decisions for farm and climate: The case of Inland Pacific Northwestern U.S. *Frontiers in Environmental Science*. 5:76. doi: 10.3389/fenvs.2017.00076 **(2, 4, 5, 6)**

Yorgey, G., S.A. Hall, E. Allen, E.M. Whitefield, N. Embertson, V.P. Jones, B.R. Saari, K. Rajagopalan, G. Roesch-McNally, B. Van Horne, J. Abatzoglou, H.P. Collins, L. Houston, T. Ewing, and C. Kruger. 2017. Northwest U.S. Agriculture in a Changing Climate: Collaboratively Defined Research and Extension Priorities. *Frontiers in Environmental Science*. 5: 121-141. doi:10.3389/fenvs.2017.00052. **(1-6)**

Allen, E., J. Stephens, **G.G. Yorgey**, C.E. Kruger, S.M. Ahamed, and J.C. Adam. 2017. Climate science information needs among Northwestern U.S. natural resource decision-makers. *Climate Services*, 5, 11-22. doi:10.1016/j.vlidrt/2017.03.002 **(1, 3, 6)**

Adam, J.C., J. Stephens, S. Chung, M.P. Brady, R.D. Evans, C.E. Kruger, B.K. Lamb, M. Liu, C.O. Stockle, J.K. Vaughan, K. Rajagopalan, J.A. Harrison, C.L. Tague, A. Kalyanaraman, Y. Chen, A. Guenther, F. Leung, L.R. Leung, A.B. Perleberg, J. Yoder, E. Allen, S. Anderson, B. Chandrasekharan, K. Malek, T. Mullis, C. Miller, T. Nergui, J. Poinatte, J. Reyes, J. Zhu, J.S. Choate, X. Jiang, R.L. Nelson, J.H. Yoon, **G.G. Yorgey**, K.A. Johnson, K.J. Chinnayakanahalli, A. Hamlet, B. Nijssen, and V. Walden. 2015. BioEarth: Envisioning and developing a new regional earth system model to inform natural and agricultural resource management. *Climatic Change* 129: 555-571. DOI: 10.1007/s10584-014-1115-2. **(6)**

Books and Book Chapters

Yorgey, G.G., and C.E. Kruger. 2020. Livestock Nutrient Management Policy Framework in the United States. Chapter 2.2 *in* E. Meers, G. Velthof, and E Michaels, eds. *Biorefinery of Inorganics: Recovering Mineral Nutrients from Biomass and Organic Waste*. Wiley. **(2-6)**

Yorgey, G.G. and C.E. Kruger, editors. 2017. *Advances in Dryland Farming in the Inland Pacific Northwest*. Washington State University Extension, Pullman, WA. **(1, 3-6)**

Yorgey, G.G., W.L. Pan, R. Awale, S. Machado, and A. Bary. 2017. Soil Amendments. *In* Yorgey, G. and C. Kruger, eds. *Advances in Dryland Farming in the Inland Pacific Northwest*, Washington State University Extension, Pullman, WA. **(1, 3-6)**

Tao, H., D. Wysocki, W.L. Pan, and **G.G. Yorgey**. 2017. Crop Residue Management. *In* Yorgey, G. and C. Kruger, eds. *Advances in Dryland Farming in the Inland Pacific Northwest*, Washington State University Extension, Pullman, WA. **(1, 3-6)**

Bista, P., S. Machado, R. Ghmire, **G.G. Yorgey**, and D. Wysocki. 2017. Conservation Tillage Systems. *In* Yorgey, G. and C. Kruger, eds. *Advances in Dryland Farming in the Inland Pacific Northwest*, Washington State University Extension, Pullman, WA. **(6)**

Barber, M.E., J.C. Adam, K. Rajagopalan, **G.G. Yorgey**, and R. Mahler. 2013. Impacts of climate and municipal water demand changes on ecological flows in the Columbia River Basin, U.S.A. *In*: A.M. Marinov, And C.A. Brebbia, editors, *WIT transactions on ecology and the environment*. WIT Press, Southampton, UK. **(4, 6)**

Barber, M.E., J.C. Adam, M.P. Brady, K.J. Chinnayakanahalli, K. Rajagopalan, S. Dinesh, C.E. Kruger, C.O. Stockle, and **G.G. Yorgey**. 2012. Global change implications on long-term water supply and demand forecasts in the Columbia River Basin. In: H. Bjornlund and C.A. Brebbia, editors, WIT transactions on ecology and the environment. WIT Press, Southampton, UK. p. 77–86. **(4, 6)**

Peer-Reviewed Extension Publications

Hills, K.M., G.G. Yorgey, M. di Haro Marti, and K. Johnson. In preparation. Greenhouse Gas Emissions and Mitigation Opportunities for Northwest Dairies. **(1- 6)**

Whittemore, A., Bronstad, E., Yorgey, G. In press. Anaerobic Digestion for Waste Management and Energy Generation in the Pacific Northwest. Washington State University Extension Publication. Pullman, WA. **(1-2, 4-6)**

Stahl, A., G.G. Yorgey, and R.T. Peters. 2024. Methods of estimating crop evapotranspiration (crop consumptive water use): advantages and limitations. Washington State University Extension Publication. Pullman, WA. **(1, 2, 5, 6)**

Bronstad, E., **G. Yorgey**, C. Frear, N. Kennedy, and J. Jensen. 2024. Biogas upgrading on dairy digesters (factsheet update). Washington State University Extension Publication. Pullman, WA. **(2, 5, 6)**

Yorgey, G.G., S.A. Hall, K.M. Hills, C.E. Kruger, and C.O. Stockle. 2023. Carbon Sequestration Potential in Cropland Soils in the Pacific Northwest: Knowledge and Gaps. Pacific Northwest Extension Publication, Pullman, WA. **(1-6)**

Frear, C.S., J. Ma, K.M. Hills, and **G.G. Yorgey**. 2023. Approaches to nutrient recovery from dairy manure (update). Washington State University Extension Publication EM112E, Pullman, WA. **(1, 5, 6)**

Hall, S.A., T.D. Hudson, K.S. Jensen, J.S. Neibergs, M.C. Reeves, and **G.G. Yorgey**. 2020. Building resilience through engagement: Tony and Brenda Richards. Pacific Northwest Extension Publication PNW737, Pullman, WA. **(1-2, 4-6)**

Hall, S.A., T. Hudson, S. Neibergs, **G. Yorgey**, and M. Reeves. 2019. Building a tradition of adaptation in rangeland management: Jack Southworth. Pacific Northwest Extension Publication PNW731, Pullman, WA. **(1-2, 4-6)**

Hudson, T.D., Hall, S.A., Neibergs, J.S., **Yorgey, G.G.**, Reeves, M.C. 2019. Grazing management that achieves multiple-use goals: Russ Stingley. Pacific Northwest Extension Publication PNW724, Pullman, WA. **(1-2, 4-6)**

Allen, E., Hall, S.A., **Yorgey, G.**, Rajagopalan, K., Adam, J., Brady, M., Barber, M., Stockle, C., Barik, M., Kruger C. 2019. Modeling Environmental Change: Scenarios in the Washington Water Supply and Demand Forecast. Washington State University Extension Publication FS327E, Pullman, WA. **(1, 5, 6)**

Yorgey, G., C. Frear, N. Kennedy, and C. Kruger. 2019. The dairy manure biorefinery. Washington State University Extension Publication FS316E, Pullman, WA. **(1-2, 5-6)**

Yorgey, G.G., K. Borrelli, K. Painter, and D. Finkelnburg. 2019. Grazed cover cropping: Drew Leitch. (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW721, Pullman, WA. **(1-6)**

Yorgey, G.G., C.E. Kruger, and S. Hall. 2019. A community-based response to flooding: Jay Gordon (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW700, Pullman, WA. **(1-6)**

- Yorgey, G.G.**, K. Borrelli, and K. Painter. 2019. Enhancing cropping diversity: Steve and Nate Riggers. (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication, Pullman, WA. **(1-6)**
- Yorgey, G.G.**, K. Borrelli, K.M. Painter, and H. Davis. 2018. Conservation tillage in a winter wheat – fallow system: Ron Jirava (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW706, Pullman, WA. **(1-6)**
- Yorgey, G.G.**, K.M. Painter, K. Borrelli, E. Brooks, and H. Davis. 2018. Deficit irrigation: Jake Madison (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW705, Pullman, WA. **(1-6)**
- Yorgey, G.G.**, K. Borrelli, A. McGuire, and K. Painter. 2018. Strip-tilled and direct-seeded vegetables integrated with cattle grazing: Eric Williamson. (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW704, Pullman, WA. **(1-2, 4-6)**
- Yorgey, G.G.**, and A. McGuire. 2018. Strip tillage of onions: Lorin Grigg. (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW702, Pullman, WA. **(1-6)**
- Hall, S., Benedict, C., Harrison, J., and **Yorgey, G.G.** 2018. Nutrient Recovery Products from Dairy Manure. Washington State University Extension Publication FS305E, Pullman, WA. **(1-2, 5-6)**
- Frear, C.S., Ma, J., and **G.G. Yorgey**. 2018. Approaches to nutrient recovery from dairy manure. Washington State University Extension Publication EM112E, Pullman, WA. **(1, 5, 6)**
- Jensen, J., C.S. Frear, C.E. Kruger, and **G.G. Yorgey**. 2018. Completing a successful feasibility study for an anaerobic digestion project. Washington State University Extension Publication FS292E, Pullman, WA. **(1- 2, 5-6)**
- Hall, S., and **G.G. Yorgey**. 2017. Video: Recovering Nutrients from Manure – New Tools for Maintaining Air and Water Quality. Produced by CAHNRS Communications. Extension Publication PRV03. Washington State University, Pullman, WA. **(1-6)**
- Yorgey, G.G.**, K. Borrelli, K.M. Painter, and H. Davis. 2017. Stripper header and direct seeding: Ron and Andy Juris: Ron and Andy Juris (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW694, Pullman, WA. **(1-6)**
- Yorgey, G.G.**, S.I. Kantor, C.E. Kruger, K.M. Painter, H. Davis, and L.A. Bernacchi. 2017. Mustard cover cropping in potatoes: Dale Gies (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW693, Pullman, WA. **(1-6)**
- Yorgey, G.G.**, S.I. Kantor, K.M. Painter, H. Davis, and L.A. Bernacchi. 2016. Precision nitrogen application: Eric Odberg (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW691, Pullman, WA. **(1-6)**
- Yorgey, G.G.**, S.I. Kantor, K.M. Painter, L.A. Bernacchi, H. Davis, and R.D. Roe. 2016. Enhancing crop diversity: Steve and Becky Camp (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW690, Pullman, WA. **(1-6)**
- Yorgey, G.G.**, S.I. Kantor, K.M. Painter, H. Davis, R.D. Roe, and L.A. Bernacchi. 2016. Flex cropping: Bill Jepsen (Farmer to Farmer Case Study Series). Pacific Northwest Extension Publication PNW681, Pullman, WA. **(1-6)**
- Jensen, J., C. Frear, J. Ma, C. Kruger, R. Hummel, and **G. Yorgey**. 2016. Digested fiber solids: Developing technologies for adding value. Washington State University Extension Publication FS235E, Pullman, WA. **(1, 5, 6)**

- Kennedy, N.P., **G.G. Yorgey**, C.S. Frear, and C.E. Kruger. 2016. Considerations for incorporating anaerobic co-digestion facilities on dairies. Washington State University Extension Publication EM088, Pullman, WA. **(1, 3-6)**
- Mitchell, S., **G. G. Yorgey**, and C.E. Kruger. 2016. Producer guide to biosolids quality. Washington State University Publication FS 192E, Pullman, WA. **(1, 6)**
- Kennedy, N., **G. Yorgey**, C. Frear, D. Evans, J. Jensen, and C. Kruger. 2015. Biogas upgrading on dairy digesters. Washington State University Extension Publication FS180E, Pullman, WA. **(1, 6)**
- Mitchell, S.M., N.P. Kennedy, J. Ma, **G.G. Yorgey**, C.E. Kruger, J.L. Ullman, and C.S. Frear. 2015. Anaerobic digestion effluents and processes: The basics. Washington State University Extension Publication FS171E, Pullman, WA. **(1, 6)**
- Kennedy, N.P., **G.G. Yorgey**, C.S. Frear, and C.E. Kruger. 2015. On-farm co-digestion of dairy manure with high energy organics. Washington State University Extension Publication FS172E, Pullman, WA. **(1, 3-6)**
- Allen, E., **G. Yorgey**, K. Rajagopalan, and C. Kruger. 2015. Modeling environmental change: A guide to understanding results from models that explore impacts of climate change on regional environmental systems. Washington State University Extension Publication FS159E, Pullman, WA. **(1, 5, 6)**
- Yorgey, G.G.**, C.S. Frear, C.E. Kruger, and T.J. Zimmerman. 2014. The rationale for recovery of phosphorus and nitrogen from dairy manure. Washington State University Extension Publication FS136E. Washington State University, Pullman, WA. **(1, 5, 6)**
- Yorgey, G.G.**, C.E. Kruger, K. Steward, C.S. Frear, and N. Mena. 2011. Anaerobic co-digestion on dairies in Washington State: The solid waste handling permit exemption. Washington State University Extension Fact Sheet FS040E. Washington State University, Pullman, WA. **(5, 6)**

Formal Legislative, Agency and Non-Profit Reports (Reviewed)

- Whittemore, A., C E. Kruger, K. Rajagopalan, K. Doonan, M. Phelps, S.A. Hall, G LaHue, D. Gelardi, and **G.G. Yorgey**. 2024 Anticipated Climate Impacts to Cropland and Livestock Agriculture in Washington State. Center for Sustaining Agriculture and Natural Resources, Washington State University. 24 pp.
- O'Connor, R., K. Suttles, E. McLellan, R. Grimm, D. Pilz, A. Purkey, A. Fernald, A. McElvein, J. Medellin-Azuara, T. Pathak, J. Preciado, **G. Yorgey**, and M. Yourek. 2023. Scarcity and Excess: Tackling Water-Related Risks to Agriculture in the United States. The Environmental Defense Fund. https://www.edf.org/sites/default/files/documents/EDF_ScarcityandExcess_Tackling%20Water-Related%20Risks%20to%20Agriculture%20in%20the%20United%20States_0.pdf
- Haghigi-Mood, S., **G. Yorgey**, and M. Garcia Perez. 2023. Evaluation of Emerging Plastics-Recycling Technologies and Management Strategies. Publication 23-07-058. Solid Waste Management Program, Washington Department of Ecology.
- Boone, K., Garcia-Perez, M., Jobson, T., Bronstad, E., Crow, V., Hills, K., Whittemore, A., & **Yorgey, G.** 2023. Advancing Organics Management in Washington State: The Waste to Fuels Technology Partnership, 2021-2023 Biennium (23-07-057). Solid Waste Management Program, Washington Department of Ecology. <https://apps.ecology.wa.gov/publications/SummaryPages/2307057.html>

- Roth, R., M.P. Wolcott, **G.G. Yorgey**, J. Male, T. Sturdevant, D. Camenzind, F. Pierebon, J Padowski, C.E. Kruger, A Whittemore, T. Carroll, K. Jensen, S. Moddemeyer, and A. Ybarra. 2023. Increasing the Economic Value and Sustainability of Washington’s Agricultural Sector through Industrial Symbiosis: A report to the Washington State Legislature. Center for Sustaining Agriculture & Natural Resources and Institute for Northwest Energy Futures, Washington State University, Wenatchee, WA.
- Hall, S.A., M. Liu, **G.G. Yorgey**, J.C. Adam, J. Yoder, M. Yourek, and A. Whittemore. 2023. Climate Change and Long-Term Drought Outlook. Agency Brief Prepared for the Washington Department of Natural Resources.
- Yorgey, G.G.**, S.A. Hall, M. Liu, J.C. Adam, J. Yoder, M. Yourek and A. Whittemore. 2023. Climate Change and Agriculture: Climate Change and Drought Impacts on DNR-Managed Croplands. Agency brief prepared for the Washington Department of Natural Resources.
- Ball, K.R., M.P. Brady, I.C. Burke, D.P. Collins, K.M. Hills, C.E. Kruger, B. Stone, E.L. Taylor, and **G.G. Yorgey**. 2022. Evaluating Compost Application for Soil Carbon Sequestration on Agricultural Land and Compost Buy-Back Programs in Washington State. Report to the Washington State Legislature. Center for Sustaining Agriculture & Natural Resources, Wenatchee, WA. 47 pp.
- Hall, S.A., Adam, J.C., Yourek, M.A., Whittemore, A.M., **Yorgey, G.G.**, Scarpare, F., Liu, M., McLarty, S., Asante-Sasu, C., McClure, S., Turk, J., Haller, D., Padowski, J., Deshar, R., Brady, M.P., Rajagopalan, K., Barber, M.E., Weber, R., Stockle, C.O., Goodspeed, H.L., Gustine, R.N., Kondal, A., Yoder, J., Deaver, B., Downes, M., Tarbutton, S., Callahan, M., Price, P. Roberts, T., Stephens, J., Valdez, W. 2022. 2021 Washington State Legislative Report. Columbia River Basin Long-Term Water Supply and Demand Forecast. Publication No. 21-12-006. Washington Department of Ecology, Olympia, WA. 284 pp.
- Jobe, J., K. Hills, J.E. Amonette, E. Bronstad, M. Garcia-Perez, T. Jobson, Y. Jefferson Milan, D. Collins, D. Gang, X. Xiong, N. Stacey, A. Berim, A. Bary, S. Chen, W. Hoashi-Erhardt, N. Khosravi, E.A. Mhyre, S. Seefeldt, and **G. Yorgey**. 2022. Advancing Organics Management in Washington State: The Waste to Fuels Technology Partnership 2019-2021 Biennium. Publication 22-07-002. Solid Waste Management Program, Washington Department of Ecology, Olympia, WA.
- Pickering, N., D. Haller, **G. Yorgey**, R.T. Peters, C. Stöckle, M. Barber, L. Khot, M. Liu, K. Rajagopalan, A. Chandel, R. Khanal, S. Kadam, B. Molaei, and J. Yoder. 2021. Comparison of Evapotranspiration Methods Used in Washington. The Water Report. **(1,2,6)**
- Hills, K., M. Garcia-Perez, J.E. Amonette, M. Brady, T. Jobson, D. Collins, D. Gang, E. Bronstad, M. Flury, S. Seefeldt, C.O. Stöckle, M. Ayiania, A. Berim, W. Hoashi-Erhardt, N. Khosravi, S. Haghghi Mood, R. Nelson, Y.J. Milan, N. Pickering, N. Stacey, A.H. Tanzil, J. Zhang, B. Saari, and **G. Yorgey**. 2019. Advancing Organics Management in Washington State: The Waste to Fuels Technology Partnership, 2017-2019 Biennium. Publication 19-07-027. Solid Waste Management Program, Washington Department of Ecology, Olympia, WA.
- Hall, S.A., J.C. Adam, M. Barik, J. Yoder, M.P. Brady, D. Haller, M.E. Barber, C.E. Kruger, **G.G. Yorgey**, M. Downes, C.O. Stockle, B. Aryal, T. Carlson, G. Damiano, S. Dhungel, C. Einberger, K. Hamel-Reiken, M. Liu, K. Malek, S. McClure, R. Nelson, M. O’Brien, J. Padowski, K. Rajagopalan, Z. Rakib, B. Rushi, W. Valdez. 2016. 2016 Washington State Legislative Report, Columbia River Basin Long-Term Water Supply and Demand Forecast. Publication No. 16-12-001. Washington Department of Ecology, Olympia, WA. 216 pp. Available online at: <https://fortress.wa.gov/ecy/publications/SummaryPages/1612001.html>

TECHNICAL DOCUMENTS, MULTI-MEDIA, and LAY PUBLICATIONS

Technical Documents

- G. Yorgey**, K. Boone, K., A. Whittemore, and S.A. Hall. 2023. Climate Projections for Central Washington: Heat and Wildfire Smoke, *White Paper*, <https://csanr.wsu.edu/publications-library/climate-change/climate-impacts-adaptation/>.
- Whittemore, A., Bronstad, E., Yorgey, G. 2023. Olympic Peninsula Research Brief: Attitudes towards Anaerobic Digestion. Center for Sustaining Agriculture & Natural Resources, Wenatchee, WA.
- Whittemore, A., Bronstad, E., Yorgey, G. 2023. Yakima Research Brief: Attitudes towards Anaerobic Digestion. Center for Sustaining Agriculture & Natural Resources, Wenatchee, WA.
- Bronstad, E., Yorgey, G., Whittemore, A. 2023. Spokane Research Brief: Attitudes towards Anaerobic Digestion. Center for Sustaining Agriculture & Natural Resources, Wenatchee, WA.
- Amonette, J.E., S. Schiller, and G. G. Yorgey. 2023. Technical Assessment of Potential Climate Impact and Economic Viability of Biochar Technologies for Small-Scale Agriculture in the Pacific Northwest. A report submitted to Steward Holdings, Inc. Pacific Northwest National Laboratories, Richland, WA. 72 pp.
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- Yorgey, G.G.** 2018. Learning from Some of the First Adopters of High Residue Farming in the Columbia Basin. Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. October 28, 2018.
- Yorgey, G.G.** 2018. BIOAg Funding Awards Announced. Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. July 19, 2018.
- Yorgey, G.G.** 2018. Calculating Climate Benefits for Climate Smart Farms. Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. June 18, 2018.
- Yorgey, G.G.** 2018. New Publication Tackles Approaches to Nutrient Recovery from Dairy Manure. Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. June 7, 2018.
- Yorgey, G.G.** 2018. 2017 in Review. Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. April 19, 2018.
- Yorgey, G.G.** and K. Hills. 2018. New Ideas for Improving the Resilience of Semi-Arid Systems. Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. March 12, 2018.
- Yorgey, G.G.** 2017. Stepping back: What have we learned about agriculture and climate change, and where do we go from here? Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. November, 29 2017. Available at <http://csanr.wsu.edu/stepping-back/>.
- Yorgey, G.G.** 2017. What have we learned about dryland cropping systems in the last 15 years? Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network blog.

- Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. July 13, 2017. Available at <http://csanr.wsu.edu/dryland-cropping-systems/>.
- Yorgey, G.G.** 2017. Farmer-to-Farmer Case Studies. Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. June 1, 2017. Available at <http://csanr.wsu.edu/farmer-to-farmer-case-studies/>.
- Yorgey, G.G.** 2017. 2016 in Review. Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. March 8, 2017. Available at <http://csanr.wsu.edu/2016-in-review/>.
- Yorgey, G.G.** 2016. Flex cropping – storing more carbon under challenging environmental conditions. Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. December 16, 2016. Available at <http://csanr.wsu.edu/flex-cropping/>.
- Yorgey, G.G.** 2016. High residue farming workshop for irrigated producers. Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. November 21, 2016. Available at <http://csanr.wsu.edu/high-residue-farming-workshop/>.
- Yorgey, G.G.** 2016. Biosolids – understanding benefits and risks. Blog post. Perspectives on Sustainability blog. (Reposted on Agriculture Climate Network Blog, WSU Department of Crop and Soil Sciences News and Updates) Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. August 16, 2016. Available at <http://csanr.wsu.edu/biosolids-benefits-risks/>.
- Yorgey, G.G.** 2016. Stripper headers – a new, cool tool for adapting to a changing climate. Blog post. Co-posted on Perspectives on Sustainability blog and Agriculture Climate Network Blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. March 8, 2016. Available at <http://csanr.wsu.edu/stripper-headers/>.
- Kruger, C.D., Adam, J.C., and **Yorgey, G.G.** 2015. Forecasting water supply and demand for the Columbia River Basin. Irrigation Leader Magazine 6(8): 18-19.
- Yorgey, G.G.** 2015. Early preparation for water transfers could reduce drought impacts for agriculture *and* fish. Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. September 29, 2015. Available at <http://csanr.wsu.edu/early-prep-reduces-drought-impacts/>.
- Yorgey, G.G.**, Borelli, K., Painter, K., Davis, H., Kantor, S., Bernacchi, L., and Kruger, C.E. 2015. Farmer-to-farmer case studies showcase resilient farms. REACCH 2015 Annual Report, 16-17. University of Idaho. Moscow, ID.
- Yorgey, G. G.** and Kruger, C.E. 2015. Nitrous oxide in the inland Pacific Northwest. REACCH 2015 Annual Report, 60-61. University of Idaho. Moscow, ID.
- Yorgey, G.G.** 2015. Welcome rain. Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. May 15, 2015. Available at <http://csanr.wsu.edu/welcome-rain/>.
- Yorgey, G.G.** 2014. Precision nitrogen can benefit both farmers and the climate. Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. October 21, 2014. Available at <http://csanr.wsu.edu/precision-nitrogen-can-benefit-both->

farmers-and-the-climate/.

- Yorgey, G.G.** 2014. Closing the nutrient loop. Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. July 2, 2014. Available at <http://csanr.wsu.edu/closing-the-nutrient-loop/>.
- Yorgey, G.G.** 2014. Making farming climate friendly: what is the impact of nitrous oxide in our region? Blog post. Perspectives on Sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. July 2, 2014. Available at <http://csanr.wsu.edu/making-farming-climate-friendly/>.
- Zimmerman, T., **G. Yorgey**, C. Frear, C. Kruger, and N. Kennedy. 2014. Center for Sustaining Agriculture and Natural Resources, Waste to Resources and Biomass/Bioenergy webpages. Webpage redesign with database. Available at csanr.wsu.edu.
- Zimmerman, T., **G. Yorgey**, and C. Kruger. 2014. Center for Sustaining Agriculture and Natural Resources, Greenhouse Gas Emissions, Soil Carbon Sequestration, Natural Resources, and Water webpages. Webpage redesign with database. Available at csanr.wsu.edu.
- Yorgey, G.G.**, L.A. Bernacchi, C.E. Kruger, J.D. Wulfhorst, S.I. Kantor, and K. Borelli. 2014. Climate change and agriculture: What do stakeholders need? Magazine article. Regional Approaches to Climate Change, Annual Report to Stakeholders. University of Idaho, Moscow, ID.
- Allen, E., **G.G. Yorgey**, and C.E. Kruger 2014. What can models tell us about climate change and agriculture? Magazine article. Regional Approaches to Climate Change, Annual Report to Stakeholders. University of Idaho, Moscow, ID.
- Borelli, K., L.A. Bernacchi, S.I. Kantor, K.M. Painter, H. Donlon, J.D. Wulfhorst, **G.G. Yorgey**, and C.E. Kruger. 2014. Developing resources for farmers, with farmers. Magazine article. Regional Approaches to Climate Change, Annual Report to Stakeholders. University of Idaho, Moscow, ID.
- Yorgey, G.G.** 2013. Why hasn't spring gotten warmer? Blog post. Perspectives on sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. April 23, 2013. Available at <http://organicfarms.wsu.edu/blog/springwarm/>.
- Frear, C., **G. Yorgey**, S. Kantor, and C. Kruger. 2013. Washington State University AIRTRAP System. Informational brochure. Anaerobic Digestion Systems Field Day, Lynden, WA. July 10, 2013.
- Yorgey, G.G.** 2012. When it comes to extreme weather, can speed make science more relevant to management? Or more risky? Blog post. Perspectives on sustainability blog. Center for Sustaining Agriculture and Natural Resources, Wenatchee, WA. <http://organicfarms.wsu.edu/blog/climate-change/climatescience/>
- Yorgey, G.**, C. Kruger, C. Frear, R. Shumway, C. Bishop, S. Chen, and C. MacConnell. 2011. Anaerobic digestion in the Pacific Northwest. Magazine article. Rural Connections. 5(2), 33-38. <http://extension.usu.edu/htm/publications/publication=13647>
- Kruger, C., **G. Yorgey**, and C. Stockle. 2011. Climate change and agriculture in the Pacific Northwest. Magazine article. Rural Connections. 5(2), 51-54. <https://wrdc.usu.edu/files/uploads/Rural%20Connections/RCJUN11w.pdf#page=53>
- Yorgey, G.**, T. Murray and C. Ouellette. 2008. Local meats for local meals. Newsletter article. Sustaining the Pacific Northwest: Food, Farm, and Natural Resource Systems. 6(3). <http://csanr.wsu.edu/publications/SPNW/SPNW-v6-n3.pdf>.

Yorgey, G. G. 2002. A new opportunity in a new city. Newspaper article. Voices that Must be Heard, Independent Press Association of New York. 46.

WORKSHOPS, PRESENTATIONS, AND TEACHING

Workshops and Field Days

- Yorgey, G.G., S. Neiberger, H. Tejada, M. Marcondes, and N. Gibson. 2024. The Green Gold Rush: Opportunities and Risks of Carbon Markets for Dairies, Digesters and Beyond. Feb 6-8, Lynden, Sunnyside, and Othello, WA. March 27-28th, Boise and Burley, ID.
- Yorgey, G.G., and K. Rajagopalan. 2023. Water Study Tour: Perspectives on Water Markets and Partial Leasing. October 16, Okanogan, WA.
- Rajagopalan, K., G. Yorgey, M. Brady, B. Singh, and S Savalkar. 2023. Learning Circle: US Bureau of Reclamations, Columbia-Pacific Northwest Regional Office. May 1, Boise, ID.
- Yorgey, G.G., K. Rajagopalan, S. Hall, B. Singh, R. Khan, A. Kondal, K. Boone, and J. Jobe. 2022. Water Study Tour: Exploring Statewide Water Policy Priorities Relevant to Technology for Trade and AgAID. November 14, Yakima, WA.
- Yorgey, G.G., D. Haller, S. Hall, and J. Yoder. 2022. Water Study Tour: Perspectives on Water Banking and Water Marketing. June 13, Yakima, WA.
- Yorgey, G.G., Yoder, J., Hall, S., Cook, J., and K. Boone. 2022. Water Study Tour: Perspectives on Water Quantity Issues. May 14, Dayton, WA.
- Yorgey, GG, Adam, JC, Padowski, JC, Boll, J, Goldsby, M, Katz, S., Hall, SA. Final Advisory Committee Workshop: Columbia Food-Energy-Water Project (virtual). July 28, 2022.
- Yorgey, G.G., K. Hills, A. Allred, R. Davis, and K. Doonan. In Person Field Trip. Royal Diary, Recovering Dairy Nutrients and Reconnecting the Nutrient Cycle. Royal City, WA. October 10, 2022.
- Yorgey, G.G. K. Hills, and K. Doonan. 2022. Dairy Nutrient Management and Energy Seminar Series (Remote, 8 sessions). Topics hosting external presenters: Dairy Nutrient and Energy Research at WSU under Biomass Research Funds (G Yorgey); Application of Machine Learning to Industrial Anaerobic Digestion Facilities (L Yu); Automation & Labor in the Dairy Industry (M Marcondes); Economic Insights in Washington’s Climate Commitment Act and Regulations (S Neiberger); Learning to Ski the Spaces Between Academia and Industry in Support of New Options for Dairy Nutrient Management (S Rowe); Selling Manure-Derived Products (R Davis); Technology and Policy Options for Biogas on Small Dairies (A DePillis); Future Policy Developments for Dairies and Manure (J Gordon). Sept – November, 2022.
- Yorgey, G.G., S.A. Hall, J.C. Adam, J.C. S. Richey, A. Whittemore, Padowski, M. Yourek, F. Scarpare, S. McClure, J. Turk, K. Rajagopalan, G. T. Tebb, M. Downes, M.P Brady, M.E. Barber, and C.E. Kruger. 2021. Columbia River Long Term Water Supply and Demand Forecast Virtual Workshops. Hosted by the Washington State Department of Ecology and Washington State University. Online, June 8 and 17, 2021.
- G Yorgey** and J Cook. Technology for Trade: 2020-2021 Water Management Survey Community Meetings (5 remote meetings). December 2020 and January 2021.
- Amonette, JE, K.M. Hills, **G.G. Yorgey**, B.R. Saari, S.A. Hall, M.R. Fuchs, and J.G. Archuleta. 2020. Biomass to Bioenergy Workshop (Remote). April 27-30.

- G. Yorgey**, S. Hall, J. Padowski, and J.C. Adam. 2019. Columbia Food-Energy-Water advisory workshop. September 10. Spokane, WA.
- G. Yorgey**, J. Yoder, K. Rajagopalan, J. Cook, N. Potter, and S. Hall. 2019. Technology for Trade: New tools and new rules for improved water use in agriculture and beyond. Four Listening Sessions, March 2019. Okanogan, Yakima, and Walla Walla, WA.
- Michels, L., B. Saari, K. Hills, **G. Yorgey**, J. Moore Kucera, G. Roesch-McNally, D. Finkelnburg, D. Wysocki, and S. Cappellazzi. Healthy Soils, Healthy Region Workshop. March 12-14 2019, Pendleton, OR.
- K. Hills, **G. Yorgey**, E. Whitefield, and B. Saari. 2018. Nutrient Recovery Field Day: Dissolved Air Flotation and Mobile Struvite Unit (public tour and NRCS training). April 2018, Lynden, WA.
- Garcia-Perez, M., J. Amonette, D Paige-Dumrose, and **G. Yorgey**. Biochar Education Day (for Washington Department of Natural Resources). March 2018, Ellensburg, WA.
- G. Yorgey**, B. Saari, L. Michel, W.L. Pan, and C.E. Kruger. Washington Soil Summit. February 9, 2018. Pullman, WA.
- G. Yorgey**. 2017. Anaerobic Digestion and Nutrient Recovery Field Tour for WSU Professionals. April and July 6, 2017.
- Hall, S.A., **G.G. Yorgey**, C.E. Kruger, J.C. Adam, M. Barik, J. Yoder, M.P. Brady, D. Haller, M.E. Barber, M. Downes, T. Tebb, B. Saari, T. Hill, S. Dhungel, S. Vigg, J. Kohr, R. Granger, and K. Hamel-Reiken 2016. Columbia River Supply & Demand Forecast Workshops. June 21-23, 2016. Richland, Wenatchee, and Spokane, WA.
- G. Yorgey**, C. Kruger, C. Benedict, E. Powell, B. Saari, S.A. Hall, and C. Armstrong. 2016. Anaerobic Digestion Systems Field Day. Lynden, WA. June 9, 2016.
- C. Kruger, **G. Yorgey**, B. Saari, S. Hall, N. Embertson, L. Michel, H. Collins, T. Murray, B. Van Horne, L. Houston, K. Borrelli, S. Capalbo, D. Finkelnburg, S. Machado, and V. Jones. 2016. Agriculture in a Changing Climate. Three-day workshop prioritizing climate mitigation and adaptation strategies for agriculture in the Pacific Northwest. Included guest speakers, panel discussions, breakout sessions, and a poster session. Kennewick, WA. March 9-11, 2016.
- Borrelli, K., S. Kantor, C. Kruger, and **G. Yorgey**. 2014. Case study video teaser and interactive stakeholder panel: Precision agriculture. REACCH Annual Meeting, Richland, WA. March 5, 2014.
- E. Allen, **G. Yorgey**, C. Kruger, J. Stephens, J. Adam, and the BioEarth team. Regional Stakeholder Advisory Workshops for the BioEarth Project. February and June 2014. Topics: Rangelands, Air Quality, Forestry. Richland, Seattle, and Olympia, WA.
- Frear, C., C. Kruger, S. Kantor, and **G. Yorgey**. Anaerobic Digestion Field Day. July 2013. Lynden, WA.
- E. Allen, **G. Yorgey**, C. Kruger, J. Stephens, J. Adam, and the BioEarth Team. Regional Stakeholder Advisory Workshops for the BioEarth Project. 27-28 February 2013. Topics: Carbon and Nitrogen, Water Quantity. Seattle, WA.
- G. Yorgey**, S. Kantor, and C. Kruger. Regional Approaches to Climate Change Annual Meetings. 2012-2014. Stakeholder advisory sessions. Pendleton, OR; Portland, OR; Richland, WA.
- G. Yorgey**, C. Kruger, J. Adam, M. Brady, M. Barber, and K. Rajagopalan. Columbia River Supply & Demand Forecast Workshops. 7-9 September 2011. Richland, Wenatchee, and Spokane, WA.

Public and Scientific Presentations

- Hall, S.A., A. Whittemore, J. Padowski, M. Yourek, G. Yorgey, K. Rajagopalan, A. Richey McLarty, F. Scarpore, M. Liu, C. Asante-Sasu, A. Kondal, M. Brady, R. Gustine, M. Downes, M. Callahan, and J.C. Adam. 2024. Partnering to Assess Changes in Water Supply and Demand and Evaluate Vulnerabilities to Climate Change in the Columbia River Basin. Poster. American Geophysical Union. Annual Meeting, December 9-13.
- Yorgey, G.G.** 2024. Impact of Climate Change on Agriculture in the Pacific Northwest. Washington State Department of Agriculture Staff Meeting (in support of their development of an agency-wide Climate Adaptation Roadmap). June 12. 16 participants.
- Yorgey, G.** 2024. Applications for Practitioners: USGCRP Fifth National Climate Assessment Workshop. May 22. Boise, ID. ~50 participants.
- Yorgey, G.** 2024. The Waste To Fuels Technology Partnership. Virtual Presentation, May 7. Olympia WA (Hosting Location). ~15 participants.
- Yorgey, G.G.** 2024. Overview of Carbon Markets and their Relevance to Dairies. Feb 6-8 Lynden, Sunnyside, Othello WA and Mar 27-28 Boise and Burley, ID. Total of ~160 participants.
- Whittemore, A., Bronstad, E., **Yorgey, G.** 2024. Anaerobic Digestion and Organic Waste Management on the Olympic Peninsula. Presentation to North Olympic Development Council. 25 January 2024. Remote.
- Yorgey, G.G.** 2023. Data Sources and Survey Needs for the Life-Cycle Analysis of a Pacific Northwest Apple. Washington State Tree Fruit Association Annual Meeting, Richland, WA. December 5. ~40 people.
- Yorgey, G.** 2023. Giving Shape to Sustainability: The PNW Apple Life Cycle Assessment. Presentation to the Columbia Basin Tree Fruit Club. October 26. ~10 people
- Yorgey, G.G.** and R. Roth. 2023. Plenary Panel: Symbiosis for Bioenergy, More Products, More Value. Northwest Bioenergy Summit, Richland, WA. October 12. ~100 people
- Whittemore, A., **Yorgey, G.**, Bronstad, E. 2023. Poster Presentation. Assessing Possibilities for Anaerobic Digestion in Washington State: Barriers and Benefits. Northwest Bioenergy Summit. 11 October. Kennewick, WA. ~100 people.
- Yorgey, G.G.** 2023. Symbiosis for Bioenergy, What Do We Know About A Symbiosis Approach to Dairy Digesters? WSU Dairy Nutrient and Climate Working Group. October 2. ~12 people
- Yorgey, G.G.** 2023 An Overview of Carbon Credits for Dairy Digesters. Presentation to the Advisory Committee for the Washington Dairy Digester and Alternative Manure Management Proviso Funding. September 27. ~8 people
- Yorgey, G. 2023. The Waste to Fuels Technology Partnership between Washington State University and Ecology, Solid Waste Management. Pullman, WA. June 1. ~12 people
- Boone, K., Hall, S., and Yorgey, G. 2023. *Assessing Climate Adaptation Service, Information and Research Needs for Tree Fruit Farmworkers in Central Washington*. Northwest Climate Resilience Collaborative Retreat. Seattle, WA. May 4-5.
- Ball, K., Burke, I., Collins, D., Hills, K., Kruger, C. and Yorgey, G. 2023. Understanding the Short- and Long-Term Soil Carbon Storage Benefits of Compost Application to Agricultural Systems. Presentation at COMPOST 2023. Ontario, CA. January 25, 2023. Audience ~150 people.

- Hills, K., Brady, M., Yorgey, G. and Collins, D. 2023. Differentiating the Value and Cost of Compost Across Likely Farm Use Scenarios in Western Washington. Presentation at COMPOST 2023. Ontario, CA. January 25, 2023. Audience ~80 people.
- Yorgey, G. 2022. Dairies, Climate, and Water. Food and Farm Tour for Washington Legislators. October 5, Mount Vernon, WA. 61 attendees.
- Ball, K.R., Yorgey, G.G., and Hills, K. 2022. Capitalizing on compost: the potential for organic amendments to increase soil carbon and reduce greenhouse gas emissions in WA drylands. Tilt-Washington Organics Recycling Council Conference Presentation (oral). 50 people.
- Ball, K., Hills, G. Yorgey, N. Tautges, R. Zuger, I. Burke, and C. McFarland. 2022. Could agricultural drylands be promising candidates for carbon farming? Long-term SOC storage and additionality potential demonstrated under compost application in wheat-fallow rotations in Washington State. American Geophysical Union Annual Conference, Chicago, IL. December 13, 2022.
- Ball, K.R., Yorgey, G.G., and Hills, K. 2022. Oral Presentation. The missing link: how coordinated soil health programs can successfully mechanize carbon farming initiatives on agricultural land, a US perspective. Eighth International Symposium on Soil Organic Matter. Estimated 100 people.
- Hudson, T., S.A. Hall, G.G. Yorgey, S. Neibergs, M.R. Reeves, and S. Jensen. 2021. Presentation and Proceedings. Promoting rangeland restoration and climate resilience through grazing case studies. XXIV International Grassland Congress / XI International Rangeland Congress. University of Kentucky. <https://uknowledge.uky.edu/igc/24/5-2/12>
- Yorgey, G.G. and B.T. Jobson. 2021. The Waste to Fuels Technology Partnership: 2019-2021 Results, and 2021-2023 Plans. Department of Ecology Solid Waste Division, Program Management Team. Olympia, WA. December 15, 2021.
- Yorgey, G.G.** 2021. An Overview of Greenhouse Gas Emissions and Climate Mitigation Opportunities in Washington State, With Examples from Large-Scale Agriculture. Washington Climate Assembly, <https://www.waclimateassembly.org/>. January 16.
- Richey McLarty, S., J.C. Padowski, F. Scarpore, J. Givens, S.A. Hall, **G.G. Yorgey**, K. Rajagopalan, M. Briscoe, M.F. Meyer, J.C. Adam, D. McLarty, and B. Xu. 2020. Assessing tradeoffs in the sustainability and resilience of a FEW system with a demonstration in the Columbia River Basin. American Geophysical Union Annual Conference (Virtual). December 10.
- Yorgey, G.G.** 2020. Case Studies of Livestock Integration to Pacific Northwest cropping systems. Pacific and Mountain West Nutrient Cycling, Soil Health and Food Safety Virtual Conference. October 27, 2020.
- Yorgey G.** 2020. Remote presentation. Building Soil Health in Agricultural Soils: A regional perspective. Methow Conservancy Farmer Learning Group, Winthrop, WA. January 28, 2020. (30 farmer participants)
- Yorgey, G.,** C. Kruger, and K. Rajagopalan. 2020. Impact of Climate Change on Agriculture and Plant Production in the Pacific Northwest. WSU Pesticide Recertification Course. Tacoma, WA. January 15, 2020.

- Yorgey, G.** 2019. Biosolids Quality: Emerging Contaminants of Potential Concern. Island County Biosolids Community Forum. Coupeville, WA. October 3, 2019.
- Brady, M., K. Hills, and G. Yorgey. Compost Research Findings of the 2017-2019 Waste to Fuels Technology Partnership: Lessons for Compost Policy from Recycling Policy, and Differentiating the Value and Cost of Compost Across Likely Farm Use Scenarios in Western Washington. Washington Organic Recycling Council Board Meeting, August 15, 2019.
- Yorgey, G. 2019. Soil Carbon Sequestration. The Lake and Park School, Seattle, WA.
- Yorgey, G., K. Painter, K. Borrelli, H. Davis, C. Kruger, D. Finkelnburg, D. Roe, E. Brooks, S. Kantor, and A. McGuire. 2019. Oral Presentation. Farmer to farmer mentoring: Multi-media case studies build adaptive capacity among cereal-based producers across the inland Pacific Northwest. Healthy Soils, Healthy Region Workshop, Pendleton, OR, March 13, 2019.
- Yorgey, G., T. Jobson, D. Gang, D. Collins and S. Seefeldt. 2018. Waste to Fuels Technology Partnership: Biochar Co-Composting Update. Department of Ecology Solid Waste Division, Program Management Team. Olympia, WA. December 6, 2018.
- Yorgey, G.G., Kruger, C., and Rajagopalan, K. 2018. Impact of climate change on water demand and crop yields in the Columbia Basin. Hermiston Farm Fair and Trade Show. November 29, 2018.
- Yorgey, G.G. 2018. Research update: climate, water for agriculture, and dairy nutrient management. Presentation to delegation of the Dutch Embassy, Puyallup, WA, November 14, 2018.
- Yorgey, G.G., Hall, S.A., Hudson, T., Neibergs, J.S., Reeves, M., and Jensen, S. 2018. Using Case Studies to Support Management Changes on Pacific Northwest Rangelands. Joint regional Conference, Society for Ecological Restoration and Society of Wetland Scientists. Spokane, WA. October 17, 2018.
- Hall, S.A., Yorgey, G.G., Kruger, C.E., Allen, E., and Rajagopalan, K. 2018. Supporting Climate-Informed Decision Making: Approaches to deliver regionally-specific, science-based information to ranchers and land managers. Joint regional Conference, Society for Ecological Restoration and Society of Wetland Scientists. Spokane, WA. October 17, 2018.
- Hall, S., G. Yorgey, C. Kruger, and K. Rajagopalan. 2018. Talking climate change with the agricultural sector – what we’ve learned. Northwest Climate Conference, Boise, ID, October 9-11, 2018.
- Yorgey, G.G., Ewing, T., Frear, C., Saleh, A., Kannan, N., and Yu, L. 2018. Technologies for Dairy Nutrient Recovery: Evaluation of Low-impact Ammonia Stripping with Bio-Fertilizer Recovery and Support for Technology Decision Making. Water Environment Research Foundation National Research Center for Resource Recovery and Nutrient Management. Alexandria, VA. August 7, 2018.
- Yorgey, G.G. 2018. Resource Recovery. Presentation to Au Sable Institute. Mount Vernon, WA, July 25, 2018.
- Yorgey, G.G. 2018. Climate and Resource Recovery Update. Presentation to CSANR internal and external advisory committees. Ellensburg, WA, February 27, 2018.
- Yorgey, G.G., and K. Hills. 2017. The Waste to Fuels Technology Partnership: Advancing Organics Management in Washington State. Olympia, WA, December 6, 2017.
- Bronstad, E., Frear, C., Yorgey, G., and Benedict, C. 2017. Fine solids, phosphorus recovery from manure digestate. Presentation at Biocycle REFOR17, Portland OR, October 18, 2017.

- Yorgey, G.G. 2017. Science in Action to Improve the Sustainability of Agriculture, Natural Resources and Food Systems. Washington State University Extension Agriculture and Natural Resources Division Meeting. Spokane, WA, July 27, 2017.
- Ewing, T., G. Yorgey, and M. Fuchs. 2017. Odor Reduction in Compost: An Introduction to Biochar. Washington Organics Recycling Council, Tacoma, WA, August 22, 2017.
- Chad Kruger, Ian Burke, Stephen Machado, Georgine Yorgey, and Karen Hills. 2017. Advances in Dryland Farming in the Inland Pacific Northwest: Nutrient Management and Integrated Pest Management. Pacific Northwest Direct Seed Association Direct Seed Conference. Kennewick, WA. January 2017.
- Chad Kruger, Bill Pan, Ian Burke, Stephen Machado, Georgine Yorgey, and Karen Hills. 2017. Advances in Dryland Farming in the Inland Pacific Northwest: Soil Health. Pacific Northwest Direct Seed Association Direct Seed Conference. Kennewick, WA. January 2017.
- Ewing, T., G. Yorgey, and C. Kruger. 2016. Anaerobic Digestion Systems. Mount Vernon Research and Extension Center Brownbag Series, Mount Vernon, WA. December 13, 2016.
- Haller, D., M. Downes, J. Yoder, and **G.G. Yorgey**. 2016. The Columbia River Basin Long-Term Water Supply and Demand Forecast. Water Rights Transfers Seminar, November 10, The Seminar Group. Seattle, WA.
- Saari, B.R., E. Allen, C. Kruger, S. A. Hall, **G. Yorgey**, V. Jones, B. Van Horne, H. Collins, G. Roesch-McNally. 2016. Agriculture in a Changing Climate: Priorities and Next Steps for the Pacific Northwest. Northwest Climate Conference, Nov. 14-16, 2016. Skamania, WA.
- Kruger, C.E. and **G.G. Yorgey**. 2016. Developing an Extension Program to Address Diverse Agricultural Systems in an Uncertain Future. American Society of Agronomy Special Symposium. November 18, 2016. Phoenix, AZ.
- Ewing, T.W., Kruger, C.E. and **Yorgey, G.**, From Dairy Farm to Bio-refinery: developing technologies to produce environmentally friendly fuels, power, and value added products. USBI Biochar 2016, August 24, 2016, Corvallis, OR.
- K. Rajagopalan, K.J. Chinnayakanahalli, J.C. Adam, R.L. Nelson, C.O. Stockle, M.P. Brady, K. Malek, M.E. Barber, **G.G. Yorgey**, and C.E. Kruger. 2015. Forecasting Water Supply and Demand for the Columbia River Basin and beyond. WA County Leaders Conference. Skamania, WA, November.
- Yorgey, G.**, C. Frear, N. Kennedy, C. Kruger, J. Ma, and T. Zimmerman. 2015. The Dairy Manure Biorefinery. Presentation and conference proceedings. Waste to Worth Conference. Seattle, WA. March 31-April 4, 2015. <http://www.extension.org/pages/72782/the-dairy-manure-biorefinery#.VVSdGfIViko>
- Yorgey, G.**, C. Frear, C. and Kruger. 2015. Farm-Based Anaerobic Digestion Projects – Wastewater Disposal and Nutrient Considerations. Presentation and conference proceedings. Waste to Worth Conference. Seattle, WA. March 31-April 4, 2015. <http://www.extension.org/pages/72884/farm-based-anaerobic-digestion-projects-wastewater-disposal-and-nutrient-considerations#.VVSdovIViko>
- Adam, J.C., K. Rajagopalan, C.O. Stockle, **G.G. Yorgey**, C.E. Kruger, K. Chinnayakanahalli, and R. Nelson. 2014. Assessing the impacts of climate change on agricultural production in the Columbia River basin: incorporating water management. Invited presentation. American Geophysical Union Fall Meeting. San Francisco, CA. December 15, 2014.

- Kruger, C.E. and **G.G. Yorgey**. 2014. Improving the carbon footprint of agriculture in the PNW. WSU VetMed Seminar, Pullman, WA. April 15, 2014
- Bernacchi, L.A., J.D. Wulfhorst, and **G.G. Yorgey**. 2014. Where there's a will there's a way. REACCH Annual Meeting, Richland, WA. March 5, 2014. Available at <https://www.reacchpna.org/>.
- Kruger, C.E., and **G.G. Yorgey**. 2013. Capturing carbon in our farms: The biocarbon potential of Pacific Northwest agriculture. Invited keynote. Sustainable Path: Enlisting Nature to Stem Climate Change, Seattle, WA. February 28, 2013.
- Yorgey, G.G.**, S.I. Kantor, C.E. Kruger, T.J. Zimmerman, and E. Allen. 2013. Digital extension. REACCH Annual Meeting, Portland, OR. February 13, 2013. Available at <https://www.reacchpna.org/>.
- Kruger, C.E., **G.G. Yorgey**, S.I. Kantor, and S. Petrie. 2013. REACCH stakeholder needs assessment. REACCH Annual Meeting, Portland, OR. February 13, 2013. Available at <https://www.reacchpna.org/>.
- Barber, M.E., J.C. Adam, M.P. Brady, C.E. Kruger, R.T. Peters, C.O. Stockle, J. Yoder, and **G.G. Yorgey**. 2012. Climate change impacts on 2030 water supply and demand in the Columbia River Basin. 3rd Annual Pacific Northwest Climate Science Conference, Boise, ID. 1-2 October, 2012.
- Adam, J.C., M.E. Barber, M.P. Brady, C.O. Stockle, C.E. Kruger, K. Chinnayakanahalli, K. Rajagopalan, **G.G. Yorgey**, R. Nelson, K. Malek, and S. Dinesh. 2012. Regional-scale integrated modeling applications for sustainable land and water resource management. Consortium of Universities for the Advancement of the Hydrologic Sciences (CUAHSI) 3rd Biennial Colloquium on Hydrologic Science and Engineering, Boulder, CO, Jul. 14-19.
- Rajagopalan, K., K.J. Chinnayakanahalli, J.C. Adam, R.L. Nelson, C.O. Stockle, M.P. Brady, K. Malek, S. Dinesh, M.E. Barber, **G.G. Yorgey**, and C.E. Kruger. 2012. Assessing the impact of climate change on Columbia River Basin agriculture through integrated modeling. Fourth International Conference on Climate Change Fourth International Conference on Climate Change, Seattle, WA. 13 July 2012.
- Yorgey, G.G.**, C.E. Kruger, D. Pride, and S.I. Kantor 2011. Conveying science to stakeholders using multi-media approaches. Water in the Columbia Basin: Sharing a Limited Resource. Skamania, WA. 2011 State of Washington Water Research Center Conference. 3 November 2011.
- Chinnayakanahalli, K.J., J.C. Adam, C.O. Stockle, R.L. Nelson, M.P. Brady, K. Rajagopalan, M.E. Barber, S. Dinesh, K. Malek, **G.G. Yorgey**, C.E. Kruger, T.L. Marsh, and J. Yoder. 2011. Incorporating agricultural management into an earth system model for the Pacific Northwest region: Interactions between climate, hydrology, agriculture, and economics. American Geophysical Union Fall Meeting, San Francisco, CA.
- Adam, J.C., M.E. Barber, K.J. Chinnayakanahalli, C.E. Kruger, K. Malek, R.L. Nelson, K. Rajagopalan, C.O. Stockle, and **G.G. Yorgey**. 2011. Assessing the impact of climate change on Columbia River Basin agriculture through integrated crop systems, hydrologic, and water management modeling. Pacific Northwest Climate Science Conference. Seattle, WA. 14 September 2011.
- Kruger, C.E., **G.G. Yorgey**, S. Chen, H.P. Collins, C.F. Feise, C.S. Frear, D.M. Granatstein, S. Higgins, D.R. Huggins, C.B. MacConnell, K.M. Painter, and C.O. Stockle. 2010. Climate friendly farming: Improving the carbon footprint of agriculture in the Pacific Northwest. Pacific Northwest Climate Science Conference, Portland, OR.

- Yorgey, G.G.** 2010. Small-scale anaerobic digestion. Speaker. Carbon Masters Program, Snohomish County Extension.
- Yorgey, G.G.**, and T. Mercado. 2005. Markets and youth programs. Invited panelist. Project for Public Spaces 6th International Public Markets Conference: Great Markets, Great Cities. Mayflower Hotel, Washington DC. 30 October 2005.
- Yorgey, G.G.** 2004. Market Development for City Farms and Rural Growers, Too. Invited panelist. Food Justice and the Public Good: A New York City Summit on Farms and Food. Hunter College School of Health Sciences, New York. 24 January 2004.
- Yorgey, G.G.** 2003. Urban agriculture's role in sustainable communities. 2003. Workshop and tour leader. The Planner's Network National Conference. United Community Centers, Brooklyn, NY. September 2003.
- Yorgey, G.G.** 2002. Manhattan and Brooklyn markets tour: East New York. Speaker and tour leader. Project for Public Spaces 5th International Public Markets Conference: Great Markets, Great Cities. W Hotel and East New York Farms! Farmers' Market, New York and Brooklyn. 9 November 2002.
- Yorgey, G.G.** 2002. New visions for farming: Community gardens and urban agriculture. Invited panelist. The Baum Forum Conference: A Growing Concern. Pace University, New York, NY. 5 October 2002.
- Yorgey, G.G.** 2002. Community food security tour: East New York Farms! Tour leader. Annual American Community Gardening Association Conference: Gardeners Restore Our World. Columbia University, New York, NY. 28 July 2002.
- Yorgey, G.G.**, and R.E. Latham. 1999. Nitrogen availability and native plants' nutrient responses in the heath barrens and surrounding forests of the Pocono Plateau, Pennsylvania. Poster presented at: Society for Conservation Biology, Delaware Valley Chapter Annual Meeting, Glassboro, NJ.

Teaching Webinars and Guest Lectures

- Yorgey, G.G.** 2023. Carbon Accounting and Carbon Markets, Relevance to Washington Food Systems. Guest Lecture, Agriculture & Food Systems Capstone Class. Washington State University. February 16. Estimated 14 participants.
- Yorgey, G.G.** 2022. Dairy Manure Management and Supporting Advanced Manure Management on PNW Dairies. Guest Lecture, Agricultural Food Systems 201: Systems and Food Systems. Washington State University. October 31.
- Yorgey, G.G.** 2021. Dairy Manure Management and Supporting Advanced Manure Management on PNW Dairies. Guest Lecture, Agricultural Food Systems 201: Systems and Food Systems. Washington State University. October 25.
- Yorgey, G.G.** 2019. Carbon sequestration in working lands. Guest lecturer for Civil Environmental Engineering 412: Sustainability seminar. Portland State University. May 28.
- Yorgey, G.G.**, M. Reeves, S. Hall, T. Hudson, and S. Neibergs. 2018. Case Studies to Build Rangelands Resilience. First Friday All Climate Change Talks (FFACTS). Hosted by the USDA Forest Service. June 1.
- Yorgey, G.G.**, K. Borrelli, and C.E. Kruger. 2014. Nitrogen management and climate change mitigation in the Pacific Northwest. Review webinar. Regional Approaches to Climate Change Webinar Series.

- Yorgey, G.G.** and C.E. Kruger. 2014. Nitrous oxide emissions in inland Pacific Northwest cropping systems. Review webinar. Regional Approaches to Climate Change Webinar Series.
- Yorgey, G.G.**, C.E. Kruger, S.I. Kantor, and T.J. Zimmerman. 2013. Soil carbon dynamics and climate change mitigation in the inland Pacific Northwest. With contributions from E. Allen and S. Machado. Review webinar. Center for Sustaining Agriculture and Natural Resources Sustainable Agriculture Webinar Series: Pacific Northwest Agriculture and Climate Change. Seattle, WA. 10 January 2013. <http://csanr.wsu.edu/pages/AgClimateWebinars>.
- Yorgey, G.G.**, C.E. Kruger, S.I. Kantor, and T.J. Zimmerman. 2012. Agricultural greenhouse gas emissions in the Pacific Northwest. With contributions from E. Allen. Review webinar. Center for Sustaining Agriculture and Natural Resources Sustainable Agriculture Webinar Series: Pacific Northwest Agriculture and Climate Change. Seattle, WA. 29 November 2012. <http://csanr.wsu.edu/pages/AgClimateWebinars>.
- Kruger, C.E., S.I. Kantor, **G.G. Yorgey**, and T. J. Zimmerman, T. 2012. With contributions from E. Allen. Climate change impacts on Pacific Northwest agriculture. Review webinar. Center for Sustaining Agriculture and Natural Resources Sustainable Agriculture Webinar Series: Pacific Northwest Agriculture and Climate Change. Wenatchee, WA. 1 November 2012. <http://csanr.wsu.edu/pages/AgClimateWebinars>
- Yorgey, G.G.** 2005. Community nutrition at East New York Farms! Guest seminar lecturer. Community Nutrition Course, Dr. Toni Liquori, Department of Nutrition and Public Health, Teachers College. Columbia University, New York. 1 March 2005.
- Yorgey, G.G.**, and I. Marvey. 2005. Youth-adult partnerships in sustainable agriculture. Full day training. Heifer International Northeast Project Partners Meeting. New York, NY. 25 February 2005.
- McTigue, K. and **G. Yorgey**. 2003. Marketing your produce. Seminar. GreenThumb Grow Together 2003 Conference. Hostos Community College, Bronx, NY. March 2003.
- Yorgey, G.G.** 2002-2006. Urban agriculture workshops and trainings. Topics: beginning beekeeping, composting and soil health, crop planning, marketing your produce, organic control of vegetable pests, post-harvest vegetable handling, remediation of urban soils, season extension, small fruits, growing vegetable seedlings from seed, and vermi-composting.

Scientific Posters

- Khan, M.R.A., M.P. Brady, G. Yorgey, J. Yoder, and K. Rajagopalan. 2023. Opportunities for sub-seasonal streamflow augmentation via a short-term irrigation shutdown. American Geophysical Union.
- Richey, S., J.C. Padowski, F. Scarpore, J. Givens, K. Rajagopalan, S.A. Hall, G. Yorgey, M. Briscoe, J. Adam, M. Meyer, D. McLarty, and B. Xu. 2020. Assessing tradeoffs in the sustainability and resilience of a FEW system with a demonstration in the Columbia River Basin. American Geophysical Union.
- Hudson, T.D., Hall, S., Neibergs, S.N., Reeves, M.C., Yorgey, G. 2019. Case Studies on Building Rangeland Resilience to Climate Change in The Pacific Northwest. Society for Range Management annual conference, Minneapolis, Minnesota. Poster
- Hall, SA, Benedict, C, Harrison, J., Yorgey, G. 2019. Poster Presentation. Nutrient Recovery: Products from Dairy Manure can Improve Soil Fertility. Poster Presentation. Healthy Soils, Healthy Region Workshop, March 12-14, 2019. Pendleton, OR.

- Carbon sequestration potential in cropland soils in the Pacific Northwest: A summary of existing knowledge and gaps. Yorgey, G., S.A. Hall, C. Kruger, C. Stockle, K. Hills and M. Donnay. Healthy Soil, Healthy Region. March 12-14, 2019. Pendleton, OR.
- Safeguarding Potato Cropping Systems in the Pacific Northwest Through Improved Soil Health. Hills, K., H. Collins, G. Yorgey, A. McGuire and C. Kruger. Healthy Soil, Healthy Region. March 12-14, 2019. Pendleton, OR.
- Yorgey, G., K. Painter, K. Borrelli, H. Davis, C. Kruger, D. Finkelnburg, D. Roe, E. Brooks, S. Kantor, and A. McGuire. 2019. Poster Presentation. Farmer to farmer mentoring: Multi-media case studies build adaptive capacity among cereal-based producers across the inland Pacific Northwest. BIOAg Symposium, Pullman, WA, February 7, 2019.
- Hudson, T. D., Hall, S., Yorgey, G. G., Neiberger, J. S., Reeves, M. 2019. Case studies on building rangeland resilience to climate change in the Pacific Northwest. BIOAg Symposium, Pullman, WA, February 7, 2019.
- Rajagopalan, K., Yoder, J., Cook, J., Brady, M.P., Adam, J.C., Stockle, C, Peter, T., Khot, L., Padowski, J., Pickering, N., Liu, M., Yorgey, G., Kruger, C., Barber, M.E., Nijssen, B., Abatzoglou, J., Young, R., and Haller, D. 2018. Technology for trade: New tools and rules to improve water use in agriculture and beyond. American Geophysical Union Fall Meeting, Washington, D.C., December 10-14, 2018.
- Hudson, T. D., Hall, S., Yorgey, G. G., Neiberger, J. S., Reeves, M. 2018. Case studies on building rangeland resilience to climate change in the Pacific Northwest. National Association County Agricultural Agents (NACAA) Western Region Professional Improvement Conference, Cody WY, October 22-23, 2018. (Received 2nd place award.)
- Hudson, T., Hall, S.A., Yorgey, G.G., Neiberger, J.S., Reeves, M., and Jensen, S. 2018. Building Rangeland Resilience to Climate Change in the Pacific Northwest: Rancher-to-Rancher Case Studies. Northwest Climate Conference, Boise, ID, October 9-11, 2018.
- Hall, S.A., Roesch-McNally, G., Finkelnburg, D., Schnepf, C., Houston, L., Yorgey, G., Allen, E., Kruger, C., Saari, B., and Zimmerman, T. 2018. Agclimate.net: Helping share climate information with agricultural professionals. Northwest Climate Conference, Boise, ID, October 9-11, 2018.
- Painter, K., G. Yorgey, K. Borrelli, H. Donlon, A. McGuire, R.D. Roe, E. Brooks, C.E. Kruger, and S. Kantor. 2018. Farmer to Farmer Mentoring: Multi-Media Case Studies Build Adaptive Capacity for Producers Across the Inland Pacific Northwest. Pacific Northwest Direct Seed Association Annual Conference, January 9-10, 2018, Kennewick, WA.
- Padowski, J., JC Adam, J Boll, ME Barber, B Cosens, M Goldsby, R Fortenbery, A Fowler, J Givens, CD Guzman, SE Hampton, J Harrison, M Huang, SL Katz, I Kraucunas, CE Kruger, M Liu, M Luri, K Malek, A Mills, D McLarty, NB Pickering, K Rajagopalan, C Stockle, A Richey, N Voisin, B Witinok-Huber, J Yoder, **G Yorgey**, and M Zhao. 2017. Strategies to Move From Conceptual Models to Quantifying Resilience in FEW Systems. American Geophysical Union Fall Meeting, 11-15 Dec, New Orleans, LA.
- Padowski, J., J. Adan, J. Boll, T. Fortenbery, J. Givens, M. Goldsby, S. Hampton, J. Harrison, S. Katz, C. Kruger, M., Liu, D. McLarty, C. Stockle, J. Yoder, and **G. Yorgey**. 2017. INFEWS: Increasing regional to global-scale resilience in FEW systems through coordinated management of storage in concert with innovations in technology and institutions. British Columbia Agricultural Climate Adaptation Research Workshop, December 7-8, Abbotsford, BC.

- Benedict, C., E. Schact, M. Zhu, C. Kruger, and **G. Yorgey**. 2017. Application of Manure-derived fertilizers in Red Raspberry and Blueberry. American Society for Horticultural Science Annual Conference, September 19-22, Waikoloa, HI.
- Saari, B., S. A. Hall, E. Allen, C. E. Kruger, K. Rajagopalan, **G. Yorgey**, J. Stevenson, E. M. Whitefield, T.J. Zimmerman. AgClimate.net – A new model for climate change extension. Poster Presentation. Northwest Climate Conference, Nov. 14-16, 2016. Skamania, WA.
- E. Allen, B. Saari, S.A. Hall, C.E. Kruger, K. Rajagopalan, J. Stevenson, E.M. Whitefield, T.J. Zimmerman, and **G. Yorgey**. AgClimate.net – A new model for climate change extension. Poster Presentation. WSU Sustainability Fair, October 19, 2016. Pullman, WA.
- B. Saari, S. A. Hall, E. Allen, K. Borrelli, C. E. Kruger, **G. Yorgey**, K. Rajagopalan, J. Stevenson, E.M. Whitefield, and T.J. Zimmerman. AgClimate.net – A new model for climate change extension. Poster Presentation. ANREP-NACDEP Joint Conference, June 26-29, 2016. Burlington, VT.
- B. Saari, S.A. Hall, E. Allen, K. Borrelli, C.E. Kruger, K. Rajagopalan, J. Stevenson, E.M. Whitefield, T.J. Zimmerman, and **G. Yorgey**. AgClimate.net – A new model for climate change extension. Poster Presentation. Agriculture in a Changing Climate Workshop, March 9-11, 2016. Kennewick, WA.
- Yorgey, G.**, K. Painter, H. Davis, K. Borrelli, E. Brooks, C. Kruger. 2016. A grower case study approach for transdisciplinary integration and technology transfer. Poster. Agriculture in a Changing Climate Workshop, March 9-11, 2016, Kennewick, WA.
- Yorgey, G.**, K. Painter, H. Davis, K. Borrelli, E. Brooks, C. Kruger. 2016. A grower case study approach for transdisciplinary integration and technology transfer. Poster. Pacific Northwest Direct Seed Association Annual Conference, January 12-13, 2016, Kennewick, WA.
- Kruger, C.E., K. Borrelli, S. Machado, **G. Yorgey**, R. Ghimire, P. Bista, E. Kirby, K. Rajagopalan, and S. Eigenbrode. 2016. REACCH Extension: Leading the Pacific Northwest wheat community towards a sustainable future. Poster presented at: Pacific Northwest Direct Seed Association Annual Meeting, Kennewick, WA. January 12-13.
- Borrelli, K., Kruger, C., Machado, S., **Yorgey, G.**, Ghimire, R., Bista, P., Kirby, E. and Eigenbrode, S. 2015. REACCH Extension: Leading the PNW wheat community towards a sustainable future. University of Idaho Parker Farm Field Day. July 9, 2015, Moscow, ID (Display) 100 people.
- Yorgey, G.**, K. Painter, K. Borrelli, H. Davis, C. Kruger, D. Roe, E. Brooks, S. Kantor, L. Bernacchi, and A. McGuire. 2015. A grower case study approach for trans-disciplinary integration and technology transfer. Poster presented at: Transitioning Cereal Systems to Adapt to Climate Change, Minneapolis, MN. 13-14 November.
- Kruger, C., K. Borrelli, S. Machado, **G. Yorgey**, R. Ghimire, P. Bista, E. Kirby, and K. Kahl. 2015. Supporting growers' ability to prepare for risk through Extension. Poster presented at: REACCH Annual Meeting, Pullman, WA. 4 March.
- Yorgey, G.**, K. Painter, H. Davis, K. Borrelli, S. Kantor, L. Bernacchi, R.D. Roe, and C. Kruger. 2014. Farmer to Farmer: Multi-media case studies to build adaptive capacity among cereal-based farmers in the inland Pacific Northwest. Poster presented at: BioAg Symposium, Saving Nature and Improving Agriculture, Where does Nature's Wisdom Lie? Pullman, WA. 28 October. Available at <http://csanr.wsu.edu/program-areas/bioag/bioag-conferences-proceedings/saving-nature-and-improving-ag/bioag-poster-session/>.

- Barik, M., K. Rajagopalan, G. Yorgey, B. Han, M. Liu, C. Stockle, M. Brady, C. Kruger, J. Yoder, and J. Adam. Updating the 20-year Columbia River water supply and demand projection. 2014. Poster presented at: Climate, Land Use, Agriculture and Natural Resources Interdisciplinary Poster Session. Pullman, WA. 6 October.
- Yorgey, G.**, K. Painter, H. Davis, K. Borrelli, S. Kantor, L. Bernacchi, R.D. Roe, and C. Kruger. 2014. Farmer to Farmer: Multi-media case studies to build adaptive capacity among cereal-based farmers in the inland Pacific Northwest. Poster presented at: Climate, Land Use, Agriculture and Natural Resources Interdisciplinary Poster Session. Pullman, WA. 6 October.
- Yorgey, G.G.**, S.I. Kantor, K.M. Painter, L.A. Bernacchi, H. Davis, R.D. Roe, C.E. Kruger, and K. Borrelli. 2014. Farmer to Farmer: Multi-media case studies to build adaptive capacity among cereal-based farmers in the inland Pacific Northwest. Poster presented at: The 5th Annual Pacific Northwest Climate Science Conference, Seattle, WA. 9-10 September.
- Allen, E.A., **G.G. Yorgey**, C.E. Kruger, and J.C. Stephens. 2014. Natural resource decision-makers' reflections on what constitutes "useable" regional climate information. Poster presented at: The 5th Annual Pacific Northwest Climate Science Conference, Seattle, WA. 9-10 September.
- Yorgey, G.G.**, S.I. Kantor, K.M. Painter, L.A. Bernacchi, H. Donlon, and C.E. Kruger. 2014. Multi-media case studies to build adaptive capacity among cereal-based farmers in the inland Pacific Northwest. Poster presented at: WSU Academic Showcase, Pullman, WA. 28 March.
- Allen, E.A., **G.G. Yorgey**, S.I. Kantor, C.E. Kruger, and J.C. Stephens. 2014. How can environmental models best meet the needs of rangeland managers? Poster presented at: WSU Academic Showcase, Pullman, WA. 28 March.
- Frear, C.S., C.E. Kruger, H.P. Collins, M. Garcia-Perez, C.O. Stockle, C.R. Shumway, G. Astil, T.W. Ewing, N.P. Kennedy, T. Khalil, and **G.G. Yorgey**. 2014. Anaerobic digestion systems: Integrating emerging technologies to improve environmental and social impact. Poster presented at: USDA-NIFA Climate Change Projects Meeting, Washington, D.C.
- Frear, C.S., C.E. Kruger, H.P. Collins, M. Garcia-Perez, C.O. Stockle, C.R. Shumway, G. Astil, T.W. Ewing, N.P. Kennedy, T. Khalil, and **G.G. Yorgey**. 2013. Anaerobic digestion systems: Integrating emerging technologies to improve environmental and social impact Poster presented at: BioEarth Annual Meeting, Pullman, WA.
- Allen, E., C. Kruger, J.C. Stephens, F. Leung, and **G. Yorgey**. 2013. Incorporating stakeholder engagement in regional earth system modeling. Poster presented at: The International Symposium for Society and Resource Management, Estes Park, CO. 4-8 June.
- Allen, E., C. Kruger, J.C. Stephens, F. Leung, and **G. Yorgey**. 2013. Incorporating stakeholder engagement in regional earth system modeling. Poster presented at: The American Geophysical Union Chapman Conference on Communicating Climate Science. American Geophysical Union, Granby, CO. 9-13 June.
- Allen, E., C. Kruger, J. Stephens, F. Leung, and **G. Yorgey**. 2013. Incorporating stakeholder engagement in regional Earth system modeling. Poster presented at: The 4th Annual Pacific Northwest Climate Science Conference, Portland, OR. 5-6 September.
- Adam, J.C., K. Rajagopalan, C.O. Stockle, C.E. Kruger, M.P. Brady, M.E. Barber, K.J. Chinnayakanahalli, **G.G. Yorgey**, R.L. Nelson, S. Dinesh, K. Malek, J. Yoder, S. Chung, J.K. Vaughan, F. Leung, B.K. Lamb, R.D. Evans, J. Harrison, J. Stephens, A. Guenther, A. Kalyanaraman, L.R. Leung, M. Liu, C.L. Tague, A.B. Perleberg, Y. Chen, T.M. Norton, X. Jiang, J. Zhu, and J. Yoon, 2012. Understanding

- biogeochemical cycling in the context of climate variability using a regional Earth system modeling framework. Poster presented at: National Science Foundation Earth Systems Modeling PI Meeting. National Science Foundation, Washington, DC, Jul 9-11.
- Adam, J.C., K. Rajagopalan, C.O. Stockle, C.E. Kruger, M.P. Brady, M.E. Barber, K.J. Chinnayakanahalli, **G.G. Yorgey**, R.L. Nelson, S. Dinesh, K. Malek, J. Yoder, S. Chung, J.K. Vaughan, F. Leung, B.K. Lamb, R.D. Evans, J. Harrison, J. Stephens, A. Guenther, A. Kalyanaraman, L.R. Leung, M. Liu, C. Tague, A.B. Perleberg, Y. Chen, T.M. Norton, X. Jiang, and J. Zhu. 2012. BioEarth: A regional-scale earth system model to inform land and water management decisions. Poster presented at: ASA-CSSA-SSSA International Annual Meeting, Cincinnati, OH. 22 October 2012.
- Rajagopalan, K., K.J. Chinnayakanahalli, J.C. Adam, K. Malek, R.L. Nelson, C.O. Stockle, M.P. Brady, S. Dinesh, M.E. Barber, **G.G. Yorgey**, and C.E. Kruger. 2012. Integrated modeling to assess the impacts of changes in climate and socio-economics on agriculture in the Columbia River Basin. Poster presented at: American Geophysical Union Annual Meeting, San Francisco, CA. 3-7 December 2012. <http://fallmeeting.agu.org/2012/e posters/eposter/h23f-1458/>.
- Kruger, C.E., S. Petrie, **G.G. Yorgey**, S.I. Kantor, E. Allen, and T.J. Zimmerman. 2012. Blending traditional and contemporary agricultural extension methods to address broad-based stakeholder needs for agriculture and climate change in Pacific Northwest cereal cropping systems. Poster presented at: ASA-CSSA-SSSA International Annual Meeting, Cincinnati, OH. 22 October 2012. <http://scisoc.confex.com/scisoc/2012am/webprogram/Paper72810.html>
- Kruger, C.E., **G.G. Yorgey**, S. Chen, H.P. Collins, C.F. Feise, C.S. Frear, D.M. Granatstein, S. Higgins, D.R. Huggins, C.B. Macconnell, K.M. Painter, and C.O. Stockle. 2012. Climate friendly farming: Establishing a transdisciplinary framework for agriculture and climate change science in the Pacific Northwest. Poster presented at: Pacific Northwest Climate Science Conference, Boise, ID. 1-2 October 2012.
- Yorgey, G.G.**, C.E. Kruger, S.I. Kantor, T.J. Zimmerman, J.C. Adam, M.E. Barber, M.P. Brady, K. Rajagopalan, and E. Allen. 2012. Enhancing stakeholder feedback on the 2011 long-term forecast of water supply and demand for the Columbia River Basin. Poster presented at: BioEarth Annual Meeting, Pullman, WA.
- Yorgey, G.G.**, C.E. Kruger, J.C. Adam, K.J. Chinnayakanahalli, K. Rajagopalan, M.E. Barber, M.P. Brady, R.L. Nelson, C.O. Stockle, S. Dinesh, K. Malek, J. Yoder, and T.L. Marsh. 2011. Forecasting water supply and demand in the Columbia River Basin. Poster presented at: Washington State Horticultural Association 107th Annual Meeting, Wenatchee, WA. 5-7 December 2012.
- Rajagopalan, K., K.J. Chinnayakanahalli, J.C. Adam, M.E. Barber, **G.G. Yorgey**, C.O. Stockle, C.O., R.L. Nelson, M.P. Brady, S. Dinesh, K. Malek, C.E. Kruger, J. Yoder, and T.L. Marsh. 2011. Assessing the impact of climate change on Columbia River Basin agriculture through integrated crop systems, hydrologic, and water management modeling. Poster presented at: Geophysical Union Fall Meeting, San Francisco, CA.
- Kruger, C.E., **G.G. Yorgey**, S. Chen, H.P. Collins, C.F. Feise, C.S. Frear, D.M. Granatstein, S. Higgins, D.R. Huggins, C.B. MacConnell, K.M. Painter, and C.O. Stockle. 2011. Climate friendly farming: Improving the carbon footprint of agriculture in the Pacific Northwest. Poster presented at: Regional Approaches to Climate Change Annual Meeting, Moscow, ID.
- Frear, C.S., C.E. Kruger, D.M. Granatstein, S. Chen, C.B. MacConnell, R. Shumway, H.P. Collins, C.O. Stockle, J.H. Harrison, G. Demirer, S. Higgins, **G.G. Yorgey**, W. Liao, T. Zhang, A. Jiang, Q. Zhao, C. Bishop, J.D. Streubel, and K. Oakley. 2011. Overview of anaerobic digestion of dairy manure

research. Poster presented at: Regional Approaches to Climate Change Annual Meeting, Moscow, ID.

Rajagopalan, K., K.J. Chinnayakanahalli, S. Dinesh, J.C. Adam, M.E. Barber, R.L. Nelson, C.O. Stockle, M.P. Brady, and **G.G. Yorgey**. 2011. An integrated modeling framework to study the impacts of climate change on irrigated agriculture. Poster presented at: Regional Approaches to Climate Change Annual Meeting, Moscow, ID.

Frear, C.S., S. Chen, **G.G. Yorgey**, and C.E. Kruger. 2010. Greenhouse gas reduction potential resulting from anaerobic digester adoption on Pacific Northwest dairies that also practice co-digestion and nutrient recovery. Poster presented at: Pacific Northwest Climate Science Conference, Portland, OR.

Kruger, C.E., **G.G. Yorgey**, S. Chen, H.P. Collins, C.F. Feise, C.S. Frear, D.M. Granatstein, S. Higgins, D.R. Huggins, C.B. MacConnell, K.M. Painter, and C.O. Stockle. 2010. Climate friendly farming: Improving the carbon footprint of agriculture in the Pacific Northwest. Poster presented at: WSU Academic Showcase, Pullman, WA.

Eberhardt, R.W., and **G. G. Yorgey**. 1998. Relationship between prescribed burning and black locust invasion into Pink Hill, a native serpentine savanna, Delaware County, PA. Poster presented at: Annual Meeting of the Delaware Valley Chapter of the Society for Conservation Biology. West Chester University, West Chester, PA. 28 March 1998.

GRANTS, CONTRACTS, AND OTHER FUNDS²

Yorgey, G. C. Edgecombe, R. Thorn, G. McCoy, D. Van Holde, R. Kirchmeier, and J. Colombo. Supporting Development of Onsite Energy in Northwest Industries & Communities. U.S. Department of Energy. Lead PI. 2023-2026. \$1,238,268. Directly manage \$1.2 million. **(4-5)**

Yorgey, G., K. Rajagopalan, J. Halofsky, H. Prendeville, and C. Owens. Evaluating the Effects of Agricultural Practices on Carbon and Climate Resilience in the Northwest U.S. United States Forest Service, Northwest Climate Hub Joint Venture. \$467,930 total. Directly manage \$224,265. 2024-2028. **(1-5)**

Yorgey, G.G., Boehl, J., S. Neibergs H. Tabet, T. Edwards, et al. Pathways for Change: Understanding and Supporting Washington Dairies in Contributing to Washington's Climate Goals. Research and Demonstration Projects, Climate Smart Livestock Program, Sustainable Farms and Fields, Washington State Conservation Commission. 2024-2025. \$306,695. **(1-5)**

Rajagopalan, K., L. Kalcits, T. Peters, G. Yorgey, S. Hall, D. Haller, F. Scarpore, and R. Nelson. Water for extreme weather management in a changing climate: implications for agriculture and the environment. USDA NIFA AFRI BNRE Sustainable Agroecosystems. 2024-2027. Total \$651,920. Directly manage \$665,148. **(1-4)**

Kirkpatrick A., G. G Yorgey, J. Jobe, G. Hoheisel, and C.E. Kruger. Creating an online toolbox for strategically communicating artificial intelligence in sustainable agriculture. Professional Development Program, Western Sustainable Agriculture Research and Education, United States Department of Agriculture. 2024-2026. Co-PI. \$99,982. **(1-5)**

²Key to indicators or description of contributions to Grants, Contracts and Fund Generation: 1 = Provided the initial idea; 2 = Developed research/program design and hypotheses; 3 = Authorship of grant application; 4 = Developed and/or managed budget; 5 = Managed personnel, partnerships, and project activities.

Yorgey, G., K. Rajagopalan, M. Brady, and H. Tambet. Contributions of Washington's Organic and Climate Smart Agriculture to Climate Mitigation. Washington State Conservation Commission. \$160,000 total. Directly manage \$91,229. 2023-2025. **(1-5)**

McClarty, S., J.C. Adam, S.A. Hall, et al, including G.G. Yorgey. Columbia River Forecast Long-Term Water Supply and Demand Forecast. Washington Department of Ecology. \$812,264 total. Co- PI. 2023-2026. **(1-5)**

Yorgey, G., M. Garcia-Perez, J.E.Amonette, S. Chen, M Brady, and R.Wieme. 2023-2025 Biennium Waste to Fuels Technology Partnership, Interagency Agreement. Washington State Department of Ecology. 2023-2025. Directly manage \$98,000. Oversee management of \$450,000 total. Lead PI. **(1-5)**

Yorgey, G., M. Marcondes, S. Neibergs, and H. Tejada. Down from the Towers and Out of the Silos. Applied BioEnergy Research Program, Agricultural Research Center, Washington State University. 2023-2025. PI. \$60,000 **(1-5)**

Boone, K. (Mentors G. Yorgey, S.A. Hall, C.E. Kruger, and B. Sallato). Planning for the "new normal": assessing farm worker service organization's climate-related impacts and resiliency to support workers. University of Washington Pacific Northwest Agricultural Safety and Health Center, New Investigator Awards. 2023-2024. \$32,980. Mentoring Co-PI. **(1-5)**

Yorgey, G., C.E. Kruger, K. Rajagopalan, and S.A. Hall. Climate Resilience Planning for Washington Agriculture. Washington State Department of Agriculture. 2023-2025. \$40,000. PI. **(1-5)**

Yorgey, G., M. Marcondes, and H. Tejada. Carbon Market Insights for Western Dairy Producers. Western Extension Risk Management Education Center. 2023-2024. \$49,982. **(1-5)**

Thoma, G., H Blonk, G Yorgey, CE Kruger, and S Galinato. Life Cycle Assessment for Pacific Northwest (PNW) Apple Production. Washington Tree Fruit Research Commission. 2023-2026. Directly manage \$80,019 (\$514,819 total). **(2-5)**

S. Hall, G. Yorgey, J.C. Adam, and J. Yoder. Washington Department of Natural Resources Drought Mitigation Study. Subcontract to Aspect Consulting 2023. PI for WSU Portion. \$68,000 total. **(2-5)**

Wolcott, M., G. Yorgey, J. Male, R Roth, T Sturdevant, C.E. Kruger, J. Padowski. Washington State Legislative Budget Proviso: Agricultural Industrial Symbiosis. 2021-2022.Co-PI. Directly manage \$58,760. (\$500,000 total) **(1-5)**

Yorgey, G., T. Jobson, and M. Garcia-Perez. 2021-2023 Biennium Waste to Fuels Technology Partnership, Interagency Agreement. Washington State Department of Ecology. 2019-2021. Directly manage \$58,140. Oversee management of \$450,000 total. PI. **(1-5)**

Yorgey, G., K. Hills, and E. Bronstad. Down from the Tower and Out of the Silos: Getting Researchers and Stakeholders Together. Applied BioEnergy Research Program, Agricultural Research Center, Washington State University. 2021-2023. PI. \$60,000 **(1-5)**

Kalyanaraman, A., et al. including G. Yorgey. Agricultural AI for Transforming Workforce and Decision Support: AgAID. National Science Foundation / United States Department of Agriculture, National Institute of Food and Agriculture. 2021-2026. Co-I (Extension, Education, and Workforce Development Lead). Directly manage \$282,827. (\$20 million total). **(1-5)**

Snover, A., J. Vogel, et al., including Kruger, CE, SA Hall, B Sallato, and G Yorgey. The Northwest Climate Resilience Collaborative: Centering Frontline Communities in Climate Adaptation Science, Assessments, and Solutions. Co-I. National Atmospheric and Oceanic Administration, Climate Adaptation Program. 2021-2026. Directly manage \$71,913. (\$4.3 million total) **(2-5)**

Yorgey, G., CE Kruger, K Hall, K Ball, I Burke, and DP Collins. Washington State Legislative Proviso for Organic Wastes: Estimating Carbon Sequestration from Organic Waste-Derived Soil Amendment Application to Soil and Assessing Local and State Government Compost Usage in Projects and Buy-Back Programs. 2021-2023. Washington State Legislature. PI. \$172,199. **(1-5)**

Stone, M., et al. Transforming Rural-Urban Systems: Trajectories for Sustainability in the Intermountain West. 2021-2026. National Science Foundation Sustainable Regional Systems Research Networks. Directly manage \$203,443. Senior Personnel. (\$15 million total) 2021-2026. **(2-5)**

Hudson, T, SA Hall, and GG Yorgey. Big Data Meet Big Landscapes: A Decision Support Tool for Grazing Management in a Variable and Changing World. United States Department of Agriculture, National Institute of Food and Agriculture. 2021-2023. Co-PI. Directly manage \$14,792. (\$100,000 total.) **(2-5)**

Amonette, JE, S Schiller, and GG Yorgey. To explore the commercialization and climate-offset potentials of biochar technologies implemented at the family-farm and food-hub scale. Steward Holdings, Inc. 2021-2022. Co-PI. \$28,000. **(2-3, 5)**

Bronstad, E, et al. including GG Yorgey. City of Pasco Value Planning Process. 2021. Center for Sustainable Infrastructure. PI. \$10,000 **(1-5)**

Yorgey, GG, and E Bronstad. Smaller Cohorts for Bigger Advancements: Honest Admissions About Anaerobic Digestion Project Risks and Rewards. United States Environmental Protection Agency. 2020-2022. PI. \$129,727. **(1-5)**

Yorgey, GG, and JE Amonette. A Regional Workshop to Identify Barriers and Priorities for Biochar Production and Use Pathways. United States Forest Service. 2020-2021. PI. \$46,000. **(2-5)**

Improving Soil Health by Educating Outreach Professionals in Washington State. State Enhancement Grant, Professional Development Program, Western Sustainable Agriculture Research and Education, United States Department of Agriculture. Participant. \$22,959. **(2-4)**

Yorgey, G.G. et al. 2019-2021 Biennium Waste to Fuels Technology Partnership, Interagency Agreement. Washington State Department of Ecology. 2019-2021. Oversee management of \$450,000. PI. **(1-5)**

DeVetter, L., et al. Implementation of New Technologies and Improved End-of-Life Management for Sustainable Use of Agricultural Plastics: Planning Grant. USDA NIFA Specialty Crop. 2019-2020. Co-PI. \$49,234 total. **(2, 4, 5)**

Adam, J., et al. Columbia River Basin 2021 Long-Term Water Supply and Demand Forecast. Washington State Department of Ecology. 2019-2022. Co-PI. Directly manage \$145,017. (project \$1.6 million total). **(2-5)**

Yoder, J., et al., including G. Yorgey. Technology for Trade: Improving Water Use and Allocation Efficiency in Agriculture and Beyond. United States Department of Agriculture, National Institute of Food and Agriculture. 2018-2023. Co-PI. Directly manage \$359,647 (\$5 million total). **(2-5)**

Yorgey, Hall, Hudson, and Reeves. Exploring the Development of a Research-Based Tool to Support Adaptive Stocking Decisions in the Inland Pacific Northwest. United States Department of Agriculture, Northwest Climate Hub. 2018-2019. PI. \$35,000. **(2-5)**

Washington State Potato Commission. Soil Health Literature Review. 2018. Co-PI. \$25,000. **(2, 4, 5)**

Demonstration of Advanced Distillation Treatment Method for Dairy Wastewater. Natural Resources Conservation Service. 2017-2020. Co-PI. \$284,927 (\$1 million total). **(2-4)**

Inland Pacific Northwest Wheat-Based Systems: Landscapes in Transition. United States Department of Agriculture, National Institute of Food and Agriculture. 2017-2021. Co-I. \$12,000 (\$3.4 million total). **(3-5)**

Columbia Food-Energy-Water Nexus: Innovations in Storage for Resilience. National Science Foundation / United States Department of Agriculture National Institute of Food and Agriculture. 2016-2020. Major Participant. \$224,661 (\$3 million total). **(4-5)**

FireEarth: Resilience to Disasters. National Science Foundation. 2015-2020. Major Participant. \$180,950 (\$2.8 million total) **(4-5)**

Blending In-Person Approaches and Durable Extension Products to Improve Decision-Making for Nutrient Recovery Technologies and Manure-Derived Nutrient Products. Applied BioEnergy Research Program, Agricultural Research Center, Washington State University. 2018-2019. PI. \$41,153. **(1-5)**

Third-Party Evaluations of Nutrient Management Technologies: A Case Study and a Protocol. Applied BioEnergy Research Program, Agricultural Research Center, Washington State University. 2018-2019. Co-PI. \$59,614 **(1-5)**

2017-2019 Biennium Waste to Fuels Technology Partnership, Interagency Agreement. Washington State Department of Ecology. 2017-2019. \$458,959. PI. **(1-5)**

Healthy Soil, Healthy Region Summit. United States Department of Agriculture, Western SARE (Sustainable Agriculture Research and Education). 2018-2019. Co-PI. \$30,881 (\$67,692 total). **(2-5)**

Case Studies to Build Rangeland Resilience to Climate Change in the Pacific Northwest. United States Department of Agriculture, US Forest Service. 2017-2018. PI. \$49,391. **(1-5)**

Building Resilience of Northwest Tree Fruit to Changing Pest Pressures Under Climate Change. United States Department of Agriculture, USDA Northwest Climate Hub. 2017-2019. Co-PI. \$79,923 **(2-5)**

2015-2017 Biennium Waste to Fuels Technology Partnership, Additional Interagency Agreement. Washington State Department of Ecology. 2017. PI. \$78,600. **(2-5)**

Northwest Climate Hub: Agriculture and Climate Change Projects. United States Department of Agriculture Northwest Climate Hub. 2016-2017. \$36,093. Co-PI. **(1, 2, 4, 5)**

2015-2017 Biennium Waste to Fuels Technology Partnership. Washington State Department of Ecology. 2015-2017. \$25,000 (\$225,000 total). Co-PI. **(4, 5)**

Catalyzing and Coordinating Northwest Agricultural Research and Extension Efforts for Food Security in a Changing Climate. United States Department of Agriculture National Institute of Food and Agriculture. 2015-2016. \$39,688. Co-PI. **(2- 5)**

Integrated Management of Animal Manure Wastes: Nutrient Recovery, Bio-Fertilizers, Enhanced Bio-Methane Production, and Management Tools. Water Environment Research Foundation (United States Environmental Protection Agency). 2014-2018. PI. \$197,264. **(4, 5)**

Dairy Manure-Derived Fertilizers for Use in Raspberry and Blueberry Cropping Systems: Evaluation for Agronomic, Soil Health, and Food Safety Efficacy. Natural Resources Conservation Service. 2015-2018. \$500,000. Major participant. **(2- 5)**

Assessing the potential for agricultural carbon sequestration in the Pacific Northwest. Laird Norton Family Foundation. 2015-2017. \$25,000. Co-I. **(2, 4, 5)**

Northwest Workshop on Mitigation for Working Agriculture Lands. 2015-2016. United States Forest Service. \$17,500. Co-PI. **(4, 5)**

Regional approaches to climate change for Pacific Northwest agriculture. 2011-2018. United States Department of Agriculture, National Institute of Food and Agriculture. \$20 million. \$105,261 (\$20 million total) Co-PI. **(4, 5)**

2016 long term water supply and demand forecast. 2014-2016. Washington State Department of Ecology. \$1.8 million. Major participant. **(2, 4, 5)**

Farmer to farmer case study series. Increasing resilience among cereal-based farmers in the inland Pacific Northwest. 2014-2016. Oregon State University (USDA NIFA Funds). \$30,000. Lead PI. **(1-5)**

Building adaptive capacity for climate change: Digital case studies of Pacific Northwest farmers. 2013-2014. Laird Norton Family Foundation. Co-I. \$20,000. **(2- 5)**

Waste to Fuels Technology: Waste management and biorefinery extension 2013-2015. Washington State Department of Ecology. \$225,000. Major participant for comprehensive research needs assessment, \$30,000 sub-project. **(2, 3, 5)**

Extending farmer-to-farmer learning digitally: Case studies to build adaptive capacity among cereal-based cropping systems in the Pacific Northwest. 2013-2014. Oregon State University. (USDA NIFA Funds). PI. \$10,000. **(2- 5)**

U.S. dairy adoption of anaerobic digestion systems integrating multiple emerging clean technologies: Climate, environmental, & economic impacts. 2012-2015. United States Department of Agriculture National Institute of Food and Agriculture. Major participant. \$749,920. **(2, 3, 5)**

Evaluating bitter melon varieties grown using intensive production methods for yield and Caribbean immigrant customer preference. 2004-2005. Northeast SARE. \$7,950. Lead PI. **(1- 5)**

AWARDS AND HONORS

WSU CAHNRS Excellence in Extension Award, 2024

WSU Provost's Leadership Academy, 2022-2023

Rancher-to-Rancher Case Study Video Series,

- 2019 Award of Distinction, Videographer Awards (international awards program for communications)

Project Award: agclimate.net (a web-based hub for data, analysis and communication between regional scientists and stakeholders about climate change and agricultural and natural resources topics)

- Green Award from the National Network for Sustainable Living Education-An initiative of the Association of Natural Resource Extension Professionals, in recognition for leadership in extension sustainability programming

Project Award, Washington State University Extension Agriculture and Natural Resources Program Unit

- 2015 Washington Organic Recycling Council, Excellence in Education and Outreach Award

Project Awards, Climate Friendly Farming Project, Center for Sustaining Agriculture and Natural Resources, Washington State University

- 2009 USDA National Institute of Food and Agriculture Partnership Award for Innovative Program Models
- 2011 Washington State University College of Agricultural, Human, and Natural Resource Sciences Team Interdisciplinary Award

Project Awards, East New York Farms!, United Community Centers

- 2004 Community Hero Awards, by the Green Guerillas (New York City Community Garden Advocacy Organization)
- Featured Market: Project for Public Spaces Farmers' Market Profiles: Innovative Markets Around the Country (profile of 14 innovative markets nationwide) "Markets, Urban Agriculture, and Open Space Category" and "Markets and Youth Category." 2005.
- Featured Project: Innovative Food Projects that End Hunger and Strengthen Communities. Hunger Action Network New York State & Statewide Emergency Network for Social and Economic Security. 2004. Profile at <http://www.hugeractionnys.org/GrowingHealthyNY.pdf>.

Academic Awards, Evans School, University of Washington

- Phi Alpha Alpha (Honor) Society
- 2006-2007 Alumni Endowed Fellowship for Public Service Careers

Academic Awards, Swarthmore College

- 1999 Leo M. Leva Prize for excellence in Biology
- Sigma Xi (Research) Society
- Phi Beta Kappa (Honor) Society
- 1998, 1999 Robert K Enders Scholarship

SERVICE

Service to University, College, and Unit

- Committee Work:
 - Member, Diversity, Equity, and Inclusion Committee, College of Agriculture, Human, and Natural Resource Sciences, WSU, 2021 – 2024
 - Member, Recruitment & Retention Initiatives Sub-Group, Washington State University Diverse Faculty & Staff Working Group, 2019 – 2021
 - Soil Health Initiative Advisory Group, 2019 – 2021
 - Lead, Grants Processing Faculty Committee (PUY-MV-CSANR units), Fall 2017
 - Co-lead, Food Systems Initiatives Merger Committee, Jan-June 2017
- Manage Reporting for McIntire Stennis Project WPN00009, group of 19 faculty, fall 2020 – present
- Grant Review Panelist:
 - Sustainable Agriculture Research and Education Professional Development Program (SARE PDP) Mini-Grants Reviewer, Washington State (annual granting program for agricultural professionals in Washington State, ~\$20,000 distributed annually), June 2018 – present
 - Center for Sustaining Agriculture and Natural Resources BioAg Grant Program (annual granting program to support work that is sustainable, organic, or biologically active, \$200,000-\$300,000 distributed annually), 2017 – 2021
 - Soil Health Initiative Extension Mini-Grant Program, 2019

Service to Profession

- Member, USDA NIFA National Climate Change Roadmap Working Group, 2023
- Reviewer: Journal of Environmental Management (2020), Agricultural and Environmental Letters (2019), Washington State University Extension Publications, (ad hoc, 2015 to present), Approaches to Address Climate Change at the Community Level (2016).
- Grant Review Panelist

- U.S. Environmental Protection Agency, Harmful Algal Blooms, 2020

Service to the Public

- Advisory Board and Review Panelist, Dairy Digesters and Alternative Manure Management, Sustainable Farms and Fields Program, Washington Conservation Commission, Sept 2023 – present
- Organizing Committee and Reviewer for Scientific Poster Session, Northwest Bioenergy Summit, Oct, 2023
- Advisory Board and Review Panelist, Sustainable Farms and Fields Program, Washington Conservation Commission, April 2022 – Sept 2023
- Served on the Clean Energy Fund Rural Clean Energy Workgroup, WA Dept of Commerce, Sept 2021 – April 2022
- Expert Panelist, Washington Climate Assembly Process, 2021
- Grant Review Panelist, Washington State Department of Commerce, Dairy Digester Enhancement Grant, 2020
- Review Editor: U.S. National Climate Assessment 4, Agriculture and Land Cover and Land Use Change Chapters (published 2018)

ADVISING AND MENTORSHIP

- Graduate Committee Member: Maria Donnay, M.S. (Dept Animal Science, 2018); Aaron Wold, M.S. (School of the Environment, 202
- New Faculty Mentor Committee, Bri Ewing, Clinical Assistant Professor, Fermentation, WSU, 2017-2019

POPULAR PRESS MENTIONS

<https://www.goodfruit.com/tech-aims-to-turn-burn-piles-into-profits-for-tree-fruit-growers/>