

DR. CAITLIN YOUNGQUIST
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EDUCATION

Ph.D. in Soil Science – Washington State University (2014)
Dissertation: *Biosolids Compost: Agricultural Use, Fate of Antibiotics, and Community Engagement*
M.S. in Soil Science – Washington State University (2008)
Thesis: *Large Animal Mortality Composting in Washington State*
B.S. in Animal Science – Washington State University (2006)
Focus: *Farm and Ranch Management*

EMPLOYMENT

Ranch Recruitment Coordinator (contract) Western Sustainability Exchange	current
Director of Education and Communication SnapLands, LLC	2023 – 2024
Licensed Hunting Guide Beartrack Outfitters and Ucross Outfitters	2023 – 2024
Associate Extension Educator University of Wyoming Extension, Washakie County	2014 – 2023
Farm Planner Snohomish Conservation District, Lake Stevens, WA	2010 – 2014

BUSINESS

Founder and CEO Dirt Works Wyoming, Worland, WY	2021 – present
Co-owner and operator Circle Y Farms Worland, WY	2023 – present
Co-owner Circle Y Farms Mount Vernon, WA	2012 – 2013

ACADEMIC TEACHING

Soil Science Central Wyoming College Beginner Farmer Program	2022
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JOURNAL ARTICLES, PEER REVIEWED

Youngquist, C.P., S. Mitchel, and C. Cogger. 2016. *Fate of Antibiotics and Antibiotic Resistance During Digestion and Composting – A Review*. Journal of Environmental Quality. 45:537-545.

Youngquist, C.P. and J.R. Goldberger. 2015. *Public Involvement in Waste Management Research and Decision Making*. Regional Science Policy and Planning. 7:141-161.

Youngquist, C.P., J. Liu., L. Orfe, and D.R. Call. 2014. *Ciprofloxacin Residues in Municipal Biosolids Compost do not Selectively Enrich Populations of Resistant Bacteria*. Applied

and Environmental Microbiology. 80:7521-7526.

Price, C., L. Carpenter-Boggs, and J. Goldberger. 2009. *On-Farm Mortality Composting in Washington State: Outreach and Producer Survey*. Journal of Extension. 47:6.

EXTENSION PUBLICATIONS, PEER REVIEWED

Youngquist, C.P. 2023. *Growing Einkorn, Emmer, and Spelt in Wyoming*. University of Wyoming Extension. B-1376.

Sebade, B. M., Schell, S. P., Stump, W. L., Thompson, J. S., Panter, K. L., Hilgert, C. L., and **Youngquist, C.P.** 2021. *Wyoming Fruit & Vegetable Production Guide*. University of Wyoming Extension. B-1340.

Youngquist, C.P. 2020. *Changes in Soil Temperature and Nutrient Management with No Till Farming Practices*. University of Wyoming Extension. MP-144.

Youngquist, C.P., L. Baker, and J. Connett. 2019. *Hemp in Wyoming*. University of Wyoming Extension. B-1349.

Price, C. and L. Carpenter-Boggs. 2008. *On-farm Composting of Large Animal Mortalities*. Washington State University Extension. EB2031E.

CONFERENCE PROCEEDINGS

Youngquist, C.P, and C. Eberle. 2019. *Sugar Beet Response to Biological Soil Amendments*. University of Wyoming Agriculture Experiment Station Bulletin (p.74).

Youngquist, C.P., C. Eberle, T. Faulke, M. Sorrells, S. Zwinger. 2019. *Nitrogen Requirements of Ancient Grains in Wyoming*. University of Wyoming Agriculture Experiment Station Bulletin (p. 106).

Jones, T, B. Fowlers, **C.P. Youngquist,** B. Hauptman, and B. Meador. 2018. *Evaluating Establishment and Forage Production of Various Cover Crops in a Dryland Setting*. University of Wyoming Agriculture (p. 154) Experiment Station Bulletin

Youngquist, C.P. 2017. *Learning and Growing in the Worland Community Garden*. Western Region Professional Improvement Conference – National Association of County Agriculture Agents. Albuquerque, NM.

Youngquist, C.P., J. Norton, and J. Harsh. 2017. *Developing a Soil Test Kit for Extension Programming* (poster). Western Nutrient Management Conference. Reno, NV.

Youngquist, C.P., J. Norton, and J. Harsh. 2016. *Developing a Soil Test Kit for Extension Programming* (poster). ASA-CSA-SSSA annual meeting. Phoenix, AZ.

Youngquist, C.P., J. Norton, and J. Harsh. 2016. *Developing a Soil Test Kit for Extension Programming*. National Association of County Agricultural Agents. Little Rock, AR.

du Toit, L., M.L. Derie, **C.P. Youngquist,** and B.J. Holmes. 2015. *Suppression of Fusarium Wilt in Spinach Seed Production Using Compost*. International Spinach Conference, Yuma, AZ.

Youngquist, C.P. *Composted Horse Manure and Stall Bedding Pilot Project*. 2015. Waste to Worth Conference, Seattle, WA.

Youngquist, C.P., J. Liu, L. Orfe, D.R. Call, and S.S. Jones. June, 2014. *Tracking the Biological Activity of Ciprofloxacin in Biosolids Compost*. British Columbia Water and Waste Water Association. Vancouver, WA.

Youngquist, C.P., J. Liu, L. Orfe, D.R. Call, and S.S. Jones. September, 2013. *Tracking the Biological Activity of Ciprofloxacin in Biosolids Compost* (poster). Northwest Biosolids Management Association Annual Meeting, Chelan, WA.

Youngquist, C.P. and J. Goldberger. September, 2013. *Biosolids Recycling: Attitudes and Opinions*. Northwest Biosolids Management Association Annual Meeting. Chelan, WA.

GRANTS AND FUNDING

Brewster, K. (PI) and **C.P. Youngquist**. Goats – Invasive Weed Reduction & Native Plant Reintroduction on River Bottom and Sage Habitat. 2024. Western SARE Farmer Rancher Grant (FW23-434). \$20,300.

Carter, R.C. (PI) and **C.P. Youngquist**. TAG Grazing Cattle as a Tool for Range Management. 2022. Western SARE Farmer Rancher Grant (FW23-426). \$25,000.

C.P. Youngquist. University of Wyoming Agriculture Professional Development Funds. 2022. Western SARE Professional Development Program (WSP19-020). \$28,639.

C.P. Youngquist. University of Wyoming Agriculture Professional Development Funds. 2020. Western SARE Professional Development Program (WSP18-017). \$28,636.

C.P. Youngquist. University of Wyoming Agriculture Professional Development Funds. 2018. Western SARE Professional Development Program (WSP17-16). \$37,990.

C.P. Youngquist. Growing and Marketing Ancient Grains in Wyoming. 2019. Western SARE Professional + Producer Grant (OW19-340). \$49,995.

C.P. Youngquist. Workshop Series – Soil and Water Management. 2018. University of Wyoming Barnyards and Backyards. \$2,875.

Pennington, S. (PI), and **C.P. Youngquist**. Soil Treatments for Growing Blueberries in Wyoming. 2018. WY Dept of Agriculture specialty crop grant. \$6,000.

Eberle, C. and **C.P. Youngquist**. Biological Soil Amendments in Sugar Beets and Corn. 2018. Insure Organics. \$16,000

Norton, J. (PI), **C.P. Youngquist**, B. Lee, C. Jones, B. Bauer. Climate Resilient Irrigated Crop Rotations in Wyoming and Montana. 2017. Northwest Climate Hub. \$15,000.

C. Carter (PI) and **C.P. Youngquist**. Pesticide Education for Rural and Small Acreage Users. 2016. Western SARE PDP grant (through University of Wyoming Extension). \$24,288.

Youngquist, C.P. Wyoming Soil Health Workshops. 2015. Western SARE PDP grant (through University of Wyoming Extension). \$14,000.

Matteson, T. (PI) and **C.P. Youngquist**. Soil Health Workshops. 2014. USDA Risk Management Agency. \$3,332.

Price, C. (PI). Composted Horse Manure and Stall Bedding Pilot Project. 2012. Western SARE Producer + Professional Grant (OW11-315). \$35,000.

PROFESSIONAL SERVICE AND LEADERSHIP

Administrative Council Western SARE	Current
Wyoming State Coordinator Western SARE	2018-2023
Regional Director and UW Extension Representative Wyoming Hunger Initiative	2020 – 2023
Coordination Team Wyoming Collaborative for Healthy Soils	2021
Diversity Equity and Inclusion Task Force, University of Wyoming Extension	2021
Co-Founder of Wyoming Ag Stress and Mental Health Roundtable	2022
Graduate Committee Raksha Thapa, PhD Candidate University of Wyoming Department of Plant Sciences	2021
Graduate Committee Elizabeth Moore, PhD Candidate University of Wyoming Department of Ecosystem Science and Management	2020
Graduate Committee Bouzeriba Alsunuse, PhD Candidate University of Wyoming Department of Ecosystem Science and Management.	2018
Search Committee Weed Specialist University of Wyoming Powell Research and Extension Center, Department of Plant Sciences.	2018
Technical Review Panel Western SARE Grants.	2017
Graduate Committee Onesmus Ngetich, PhD Candidate University of Wyoming, Department of Ecosystem Science and Management	2016
University of Wyoming Research and Extension Center Working Group	2016
Manuscript Review Ecotoxicology and Environmental Safety	2016
Manuscript Review Science of the Total Environment	2016
Manuscript Review Renewable Agriculture and Food Systems Journal	2015
Technical Review Panel Western SARE	2015
Search Committee Irrigation Specialist, University of Wyoming Powell Research and Extension Center, Department of Plant Sciences	2015
Search Committee Area Extension Educator, University of Wyoming, Fremont County Extension	2015

CERTIFICATIONS

Licensed Professional Guide WY State Board of Outfitters and Professional Guides	2023
Fire Fighter II WY Department of Fire Prevention and Electrical Safety	2019

Commercial Driver's License, Class B WY Department of Transportation	2019
Certified Livestock Advisor Washington State University Extension	2007
Certified Compost Facility Operator Washington Organics Recycling Council	2006

ADDITIONAL TRAINING

Extension Livestock and Ag Disaster Training University of Wyoming Extension	2017
National Incident Management System US Emergency Management Institute	2015
Facilitation and Public Participation University of Wyoming Extension	2015

PUBLIC SERVICE

Worland Volunteer Fire Department Member	2015 - present
Wyoming Women's Foundation Hunt Committee Chair	2022 – present
Worland Community Garden Founder, Manager, Board Member	2014 - Present
Wyoming State Board of Outfitters and Professional Guides Member	2019 – 2022