

Gabriel T. LaHue

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EDUCATION

University of California, Davis	Soils and Biogeochemistry	Ph.D. 2018
University of California, Davis	International Agricultural Development	M.S. 2015
Cornell University	Plant Sciences	B.S. 2010

ACADEMIC POSITIONS

Associate Professor of Soil Science (Tenure-Track) <i>Washington State University (Mount Vernon, WA)</i> Department of Crop and Soil Sciences	July 2025 – Present
Assistant Professor of Soil Science (Tenure-Track) <i>Washington State University (Mount Vernon, WA)</i> Department of Crop and Soil Sciences	Jan. 2022 – June 2025
Teaching and Research Assistant Professor of Soil Science <i>Washington State University (Mount Vernon, WA)</i> Department of Crop and Soil Sciences (50% research and extension, 50% teaching)	Jan. 2019 – Dec. 2021

RESEARCH AND SCHOLARSHIP INTERESTS

My applied research and extension program works across diverse cropping systems and focuses on soil-plant-water relationships, soil physical health, soil fertility, and water-nutrient interactions. This includes managing soil moisture and irrigation, impacts of soil management practices and threats to soil health on water movement and plant available water, and tailoring nutrient management to soil properties, plant disease risk, and water management. Ultimately the focus of my program is to help farmers to make informed decisions about managing soil moisture, irrigation, soil health, and soil fertility to improve productivity, reduce costs, safeguard plant health, and promote good stewardship of our natural resources.

OTHER EMPLOYMENT

Graduate Student Researcher <i>University of California, Davis (Davis, CA)</i> Advisors: Dr. Bruce Linquist, Dr. Chris van Kessel (50% research) Dissertation: "Water management for improved agronomic and environmental performance in California rice"	Jan. 2014 – Dec. 2018
Associate Instructor <i>University of California, Davis (Davis, CA)</i> "Soil Physics" (5-unit graduate and undergraduate course)	Sep. – Dec. 2017

Visiting Researcher**Oct. 2015 – Mar. 2016***CIAT – International Center for Tropical Agriculture (Cali, Colombia)*

Advisor: Dr. Ngoni Chirinda (100% research)

Project: “Technical and socioeconomic barriers to the adoption of alternate wetting and drying in Colombia”

TEACHING**A. Credit Courses Taught**

- Soils: A Living System (Soil Science 201): Undergraduate course, 3 credits, Global Campus version
 - **Fall 2025** course evaluations: Instructor overall **(4.5/5)**, Course overall **(4.5/5)**, Instructor enthusiasm (4.8/5), Instructor planning (4.8/5), Instructor communication (4.8/5), Instructor encourages participation (4.8/5), Instructor gives timely feedback (3.8/5), Instructor communicates student expectations (4.9/5); **46 students** (45% response)
 - **Fall 2024** course evaluations: Instructor overall **(4.4/5)**, Course overall **(4.2/5)**, Instructor enthusiasm (4.5/5), Instructor planning (4.6/5), Instructor communication (4.4/5), Instructor encourages participation (4.9/5), Instructor gives timely feedback (4.6/5), Instructor communicates student expectations (4.6/5); **27 students** (68% response)
 - **Fall 2023** course evaluations: Instructor overall **(4.4/5)**, Course overall **(4.1/5)**, Instructor enthusiasm (4.6/5), Instructor planning (4.6/5), Instructor communication (4.4/5), Instructor encourages participation (4.5/5), Instructor gives timely feedback (4.1/5), Instructor communicates student expectations (4.5/5); **37 students** (59% response)
 - **Fall 2022** course evaluations: Instructor overall **(4.9/5)**, Course overall **(4.4/5)**, Instructor enthusiasm (4.9/5), Instructor planning (4.7/5), Instructor communication (4.8/5), Instructor encourages participation (5/5), Instructor gives timely feedback (4.8/5), Instructor communicates student expectations (5/5); **28 students** (44% response)
 - **Fall 2021** course evaluations: Instructor overall **(4.7/5)**, Course overall **(4.3/5)**, Instructor enthusiasm (4.9/5), Instructor planning (4.8/5), Instructor communication (4.8/5), Instructor encourages participation (5/5), Instructor gives timely feedback (4.8/5), Instructor communicates student expectations (4.8/5); **37 students** (59% response)
 - **Fall 2020** course evaluations: Instructor overall **(4.1/5)**, Course overall **(4.1/5)**, Instructor enthusiasm (4.8/5), Instructor planning (4.7/5), Instructor communication (4.5/5), Instructor encourages participation (4.7/5), Instructor gives timely feedback (4.4/5), Instructor communicates student expectations (4.6/5); **34 students** (57% response)
 - **Fall 2019** course evaluations: Instructor overall **(4.5/5)**, Course overall **(3.6/5)**, Instructor enthusiasm (4.8/5), Instructor planning (4.5/5), Instructor communication (4.5/5), Instructor encourages participation (4.8/5), Instructor gives timely feedback (4.5/5), Instructor communicates student expectations (4.6/5); **36 students** (30% response)
- Organic and Sustainable Agricultural Certifications: From Principles to Practice (SOIL SCI 303): Undergraduate course, 2 credits, Everett and Pullman campuses
 - **Spring 2024** course evaluations: Instructor overall **(4.8/5)**, Course overall **(4.8/5)**, Instructor enthusiasm (5/5), Instructor planning (5/5), Instructor communication (4.8/5), Instructor encourages participation (4.8/5), Instructor gives timely feedback (4.5/5), Instructor communicates student expectations (5/5); **9 students** (44% response)
 - **Spring 2023** course evaluations: Instructor overall **(4.5/5)**, Course overall **(5/5)**, Instructor enthusiasm (4.5/5), Instructor planning (4.5/5), Instructor communication (4.5/5),

- Instructor encourages participation (4.5/5), Instructor gives timely feedback (4.5/5), Instructor communicates student expectations (4.5/5); **7 students** (57% response)
- **Spring 2022** course evaluations: Instructor overall (**4.3/5**), Course overall (**4.4/5**), Instructor enthusiasm (4.5/5), Instructor planning (4.8/5), Instructor communication (4.7/5), Instructor encourages participation (4.8/5), Instructor gives timely feedback (3.8/5), Instructor communicates student expectations (4.3/5); **16 students** (75% response)
- Practicum in Organic Agriculture (SOIL SCI 480): Undergraduate course, 2 credits, Everett campus
 - **Fall 2024**: No official course evaluation (did not meet threshold); **7 students**
- Soil Fertility Management (Soil Science 547): Graduate course, 3 credits
 - **Fall 2024** course evaluations: Instructor overall (**4.4/5**), Course overall (**4.4/5**), Instructor enthusiasm (4.9/5), Instructor planning (4.8/5), Instructor communication (4.7/5), Instructor encourages participation (4.9/5), Instructor gives timely feedback (3.8/5), Instructor communicates student expectations (4.8/5); **24 students** (75% response)
 - **Fall 2022** course evaluations: Instructor overall (**4.8/5**), Course overall (**4.3/5**), Instructor enthusiasm (4.9/5), Instructor planning (4.9/5), Instructor communication (4.7/5), Instructor encourages participation (4.9/5), Instructor gives timely feedback (4.4/5), Instructor communicates student expectations (4.9/5); **22 students** (76% response)
 - **Fall 2020** course evaluations: Instructor overall (**4.1/5**), Course overall (**3.9/5**), Instructor enthusiasm (4.7/5), Instructor planning (4.6/5), Instructor communication (4.5/5), Instructor encourages participation (4.8/5), Instructor gives timely feedback (3.7/5), Instructor communicates student expectations (4.3/5); **24 students** (62% response)
- Advanced Topics in Soil Analysis (Soil Science 503): Internship course, 3 credits
 - **Summer 2020**: No course evaluation (single student)

B. Guest Lectures at WSU and Additional Teaching

- **LaHue, G.T.** “Organic certification in vegetable crops”. Presentation to Olericulture (HORT 320), Virtual from Mount Vernon to Pullman, WA, October 1st, 2025. (Invited guest lecture)
- **LaHue, G.T.** “Introduction to cultivated plants: A soil science perspective”. Presentation to Introduction to Cultivated Plants (CROP SCI 102 | HORT 102), Virtual from Mount Vernon to Pullman, WA, October 23rd, 2025. (Invited guest lecture)
- **LaHue, G.T.** “Using soil moisture sensors for irrigation management”. Presentation to Instrumentation and Measurements (BSE 541), Virtual from Mount Vernon to Pullman, WA, November 13th, 2024. (Invited guest lecture)
- **LaHue, G.T.** “Specialty cropping systems in (north)western Washington”. Presentation to Advanced Cropping Systems (CROP SCI 403 and 503), Virtual from Mount Vernon to Pullman, WA, November 5th, 2024. (Invited guest lecture)
- **LaHue, G.T.** “Science Writing Faculty Panel”. Panel discussion participation for SOIL SCI 511: Science Writing Workshop, February 21st, 2024.
- **LaHue, G.T.** “An introduction to soils”. Presentation to Olericulture (Horticulture 320), Virtual from Mount Vernon to Pullman, WA, September 24th and 26th, 2019. (Invited guest lecture)

- Griffin LaHue, D.E., and **G.T. LaHue**. “Soil science research, characterization, and soil health assessment”. Presentation to CSS & HORT Graduate Student Tour, Mount Vernon, WA, May 8th, 2019. (Invited guest lecture)

ADVISING AND MENTORSHIP

A. Postdoctoral Research Associate

- Navdeep Singh, Projects: Evaluating the contribution of soil organic carbon to improved water-holding capacity through increased compaction resistance; Skagit Basin Supply and Demand Analysis (Sept. 2020 – Dec. 2022)
 - Assistant Professor of Sustainable Agriculture, Western Kentucky University
 - 2 academic journal articles published, 1 Extension article in revision

B. Graduate Students

1. Advising (Current M.S. or Ph.D. Students in Soil Science)

- Molly Monahan, M.S. Student in Soil Science, Project: Understanding the motivations and challenges of participants in incentive programs for compost application (Fall 2025 – Present)
- Isha Chand, M.S. Student in Soil Science, Project: Managing soil moisture and soil physical health for annual specialty crops in northwestern Washington (Spring 2024 – Present)
- Gagandeep Kaur, Ph.D. Student in Soil Science, Project: Impacts of tillage, lime, residue removal, and micronutrient fertilizers on soil health and crop nutritional quality (Fall 2022 – Present)
- Paul Martinez, Ph.D. Student in Soil Science, Project: Managing soils and micronutrients for soil physical health and crop nutritional quality (Fall 2022 – Present)

2. Advising (Current M.S. in Agriculture Students)

- Jessica Mulvey, M.S. Student in Agriculture, Project: Biofortification and ex-situ conservation for crop micronutrient content (Spring 2021 – Present)

3. Advising (Former Students)

- Sahil Thapa, M.S. Student in Soil Science, Project: Irrigation and nitrogen management to reduce the risk of bacterial bulb rots in onion crops (Fall 2023 – Summer 2025)
 - Ph.D. Student at Purdue University
 - 3 academic journal articles in preparation
- Chloe Waters, M.S. Student in Agriculture, Project: Critical soil and plant tissue thresholds to guide nitrogen management in onion production (Spring 2023 – Spring 2025)
 - Senior Agronomist at Lamb Weston
 - 1 academic journal article in preparation
- Claire Yost, M.S. Student in Soil Science, Project: Impacts of regulated deficit irrigation on cider apple yield and quality (Fall 2022 – Present)
 - Agronomy Scientist, Tidal Grow AgriScience
 - 2 academic journal articles in preparation, 1 Extension article in preparation
- Harmony Varner, M.S. Student in Soil Science, Project: Farmer-led irrigation experimentation: A model for learning and adaptation (Fall 2021 – Spring 2023)

- Current position: PhD student, Pennsylvania State University
- Initial position after graduation: Carbon Farm Planner, New York Textile Lab
- 1 academic journal article published
- Tessa Belo, M.S. in Soil Science, Project: Impacts of irrigation and fertilization practices on bacterial diseases in onion bulb crops (Fall 2020 – Spring 2022, co-advisor – Dr. Lindsey du Toit)
 - Current position: Stormwater and Nonpoint Grant Project Manager, Washington State Department of Ecology
 - Initial position after graduation: Water Quality Nonpoint Specialist, Washington State Department of Ecology
 - 2 academic journal articles published, 1 technical report, 1 trade magazine article
- Aidan Kendall (co-advisor), M.S. in Horticulture, Project: Developing resource-efficient cider apple production systems (Fall 2020 – Spring 2022, primary advisor – Dr. Carol Miles)
 - Current position: Research Associate, Highland Economics
 - Initial position after graduation: Certification Specialist, WSDA Organic Program
 - 2 academic journal articles published
- Michael Hipp, M.S. Student in Agriculture (started Spring 2020, withdrew Spring 2022 due to employment changes), Project: Connecting equine laminitis to forage quality and soil properties
- Cheyenne Sloan, M.S. Student in Soil Science, Project: Valuing nitrogen release from high organic matter soils (Fall 2019 – Summer 2021, co-advisor – Dr. Lisa DeVetter)
 - Blueberry and Small Fruit Educator, Michigan State University Extension
 - 1 academic journal article published

4. Graduate Student Committees (Current)

- Jordan White, M.S. Student in Horticulture (started Fall 2024)
- Annah Young, Ph.D. Student in Soil Science, Advisor: Deirdre Griffin LaHue, Project: Buckwheat, perennial wheat, and other alternative crop rotations for soil health management (started Fall 2023)
- Kevin Victor, M.S. Student in Agriculture (started Fall 2023)
- Laura Webb, M.S. Student in Agriculture (started Spring 2023)
- Jason Jacobson, M.S. Student in Agriculture (started Fall 2020)
- Emily Blessington, M.S. Student in Agriculture (started Fall 2019)

5. Graduate Student Committees (Former)

- Natalie Sturm, Ph.D. Student in Soil Science, Advisor: Haly Neely, Project: Farmer perceptions and alternative management of soil compaction in eastern Washington cropping systems (Fall 2022 – Fall 2025)
- Dylan Mullins, M.S. Student in Soil Science, Advisor: Haly Neely, Project: Validating a visible, near-infrared penetrometer to measure and map soil compaction in Northwest cropping systems (Spring 2021 – Spring 2024)

- Diego Martinez Manay, M.S. Student in Agriculture, Advisor: Carol Miles, Project: Growing strawberries in substrate under high tunnels and strategies of powdery mildew management at Lepp Farms, Abbotsford, B.C., Canada (Summer – Fall 2024)
- Louie Prager, M.S. Student in Crop Science, Advisor: Steve Jones, Project: Breeding colored barley for malting, with a focus on varieties for organic agriculture (Fall 2020 – Spring 2024)
- Justin Maltry, M.S. Student in Soil Science, Advisor: Doug Collins, Project: Soil compaction and drainage in western Washington (Fall 2020 – Fall 2023)
- Yingxue Yu, Ph.D. in Soil Science, Advisor: Markus Flury, Project: Fate of emerging contaminants in soil (Fall 2018 – Spring 2022)

C. Student Mentorship

- Silvia Ellis, Anacortes High School, USDA NIFA Sustainable Agricultural Systems “Soil to Society” High School Internship Program (Summer 2024)
- Charity Jordan, Washington State University, CAHNRS Internship Program (Summer 2023)
- Clarisse Fowlkes, Bellarmine Preparatory School, Soil to Society High School Internship Program (Summer 2023)
- Alexis Perez, Pierce College, Sustainable High-Value Horticulture and Processing Systems in Washington State Research and Extension Experiences for Undergraduates (Summer 2022)
- Jessica Schultz, Washington State University M.S. in Agriculture (Summer 2020)
- Samantha Hordyk, Reed College (Summer 2019, co-mentored with Dr. Deirdre Griffin LaHue)

FUNDED GRANTS AND CONTRACTS¹ (Total Awarded to Program = \$1,918,010; W/ SHI MV LTARE² = \$2,432,270)

- Murphy K., Schultheis A., Griffin LaHue D., **LaHue G.T.**, Singh S., Pumphrey M., Garland-Campbell K., Carter A., McGee R., Brueggeman R., Main D., Ganjyal G., Tang J., Finnie S., Kiszonas A., Prenni J., Carbonero F., Monsavais P., Otten J., Collier S., and M. Spiker. Optimizing human health and nutrition from soil to society. Washington Research Foundation, **co-PI (\$433,672; \$10,000,000)**, 2025 – 2030 **(2, 4, 5, 6)**
- du Toit L., Mattupalli C., Griffin LaHue D., and **G.T. LaHue**. Management of Verticillium wilt in potato and spinach seed crops in western Washington. Northwest Agricultural Research Foundation and Washington Commission on Integrated Pest Management, **co-PI (\$0; \$99,461)**, 2025 **(2, 4)**
- **LaHue G.T.** Evaluating the sensitivity of spinach growth stages to soil moisture stress. Northwest Agricultural Research Foundation, **PI (\$8,367)**, 2025 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.** Building the resilience of spinach seed crops by informing management to avoid water stress. Washington Commission on Integrated Pest Management, **PI (\$8,338)**, 2025 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.**, Waters T., and L. du Toit. Revisiting nitrogen management recommendations in the context of onion bacterial diseases. Columbia Basin Onion Research Committee, **PI (\$7,972)**, 2025 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.** Evaluating the sensitivity of spinach growth stages to soil moisture stress. Northwest Agricultural Research Foundation, **PI (\$19,728)**, 2024 **(1, 2, 3, 4, 5, 6)**

¹ Key to indicators or description of contributions to funded grants: 1 = Developed the initial idea; 2 = Developed research design and hypotheses; 3 = Authorship of grant application; 4 = Editing and review of grant application; 5 = Developed and/or managed budget; 6 = Managed personnel and project activities.

² Soil Health Initiative Mount Vernon Long-Term Agroecological Research and Extension site (funds split by two lead PIs)

- **LaHue G.T.**, Mattupalli C., Galinato S., Griffin LaHue D.E., Neely H., and S. Culman. Managing soil moisture and soil physical health for annual specialty crops in northwestern Washington. WSDA Specialty Crop Block Grant Program, **PI (\$168,043; \$249,416)**, 2023 – 2026 **(1, 2, 3, 4, 5, 6)**
- Mattupalli C., Blauer J., and **G.T. LaHue**. Assessment of management practices at vine-kill on skin set and tuber quality. Washington State Potato Commission, **co-PI (\$9,541; \$30,041)**, 2023 **(2, 4, 5, 6)**
- **LaHue G.T.** Impacts of irrigation timing on spinach seed crop performance. Northwest Agricultural Research Foundation, **PI (\$22,440)**, 2023 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.** Impacts of irrigation frequency and N management on onion bacterial bulb rots. Washington State Commission on Pesticide Registration, **PI (\$22,741)**, 2023 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.**, and D.E. Griffin LaHue. Building soil health for multiple benefits in northwestern Washington annual cropping systems. WSU Soil Health Initiative Long-Term Agroecological Research and Extension Site, **Joint PI (\$514,260; \$1,244,862)**, 2022 – 2026 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.** Impacts of irrigation timing on spinach seed crop performance. Northwest Agricultural Research Foundation, **PI (\$19,845)**, 2022 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.**, Waters T., and L. du Toit. Revisiting nitrogen management recommendations in the context of onion bacterial diseases. Columbia Basin Onion Research Committee, **PI (\$22,682)**, 2022 **(1, 2, 3, 4, 5, 6)**
- Frazier M., Ostrom M., Smith R., Griffin LaHue D., **LaHue G.T.**, and M. Brady. From Farmers to Soil Health Managers -- Participatory Design of On-Farm Trials to Stimulate Adoption of Innovative Conservation Techniques by Historically Underserved Farmers in the Puget Sound Region. USDA NRCS Conservation Innovation Grant, **co-PI (\$63,367; \$910,126)**, 2022 – 2025 **(2, 4, 5, 6)**
- Murphy K., Ganjyal G., Griffin LaHue D., Monsavais P., Brueggeman R., Carbonero F., Garland-Campbell K., Jones S., **LaHue G.T.**, McCracken V., McGee R., Neely C., Perrigue M., Solverson P., Szlavecz K., Tang J., Thom-Lyman A., and A. Warner. Optimizing human health from soil to society. USDA NIFA Sustainable Agricultural Systems, **co-PI (\$436,304; \$10,000,000)**, 2022 – 2026 **(2, 4, 5, 6)**
- **LaHue G.T.**, Miles C., Kalcsits L., Galinato S., and T. Collins. Regulated deficit irrigation for improved cider apple quality with reduced water input. WSDA Specialty Crop Block Grant Program, **PI (\$119,959; \$244,085)**, 2021 – 2024 **(2, 3, 4, 5, 6)**
- **LaHue G.T.**, Brady M., and S. Galinato. Farmer-led irrigation experimentation: A model for learning and adaptation. WSU ERI Grant Program, **PI (\$61,303; \$75,859)**, 2021 – 2023 **(1, 2, 3, 4, 5, 6)**
- Benedict C., Burke I., Griffin LaHue D., **LaHue G.T.**, Potter T., and N. Singh. Tracking the tango between tillage, soil health, and weeds. WSU BIOAg Grant Program, **co-PI (\$4,237; \$39,596)**, 2021 – 2023 **(2, 4, 6)**
- **LaHue G.T.**, Wasko DeVetter L., Griffin LaHue D.E., and C. Benedict. Valuing nitrogen release from high organic matter soils. Washington Blueberry Commission, **PI (\$28,368)**, 2021 – 2022 **(2, 3, 4, 5, 6)**
- **LaHue G.T.**, Waters T., and L. du Toit. Revisiting nitrogen management recommendations in the context of onion bacterial diseases. Columbia Basin Onion Research Committee, **PI (\$21,677)**, 2021 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.** Impacts of irrigation management changes on Stemphylium leaf spot control. Washington State Commission on Pesticide Registration, **PI (\$13,918)**, 2021 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.** and L. du Toit. Irrigation scheduling and soil moisture thresholds to maximize spinach seed production. Northwest Agricultural Research Foundation, **PI (\$15,468)**, 2021 **(1, 2, 3, 4, 5, 6)**
- DeVetter L.W., Hoheisel G., Davenport J., **LaHue G.T.**, and D. Hill. Optimizing nutrient management for organically grown blueberries east of the Cascade Range. Northwest Center for Small Fruit Research, **co-PI (\$18,498; \$101,874)**, 2021 – 2022 **(4, 5, 6)**

- Yoder J., Bandaragoda C., Greene C., Jobe J., **LaHue G.T.**, Mauger G., Padowski J., Rajagopalan K., Raymond C., and C. Wiseman. Skagit Basin Supply and Demand Analysis. Washington State Department of Ecology, **co-PI (\$49,204; \$603,396)**, 2020 – 2021 **(2, 4, 5, 6)**
- **LaHue G.T.**, Flury M., Neely H., Bary A., and I. Akin. Evaluating the contribution of soil organic carbon to improved water-holding capacity through increased compaction resistance. WSU BIOAg Grant Program, **PI (\$38,737)**, 2020 – 2021 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.**, Wasko DeVetter L., Griffin LaHue D.E., and C. Benedict. Valuing nitrogen release from high organic matter soils. Washington Blueberry Commission, **PI (\$16,640)**, 2020 – 2021 **(2, 3, 4, 5, 6)**
- Griffin LaHue D.E., Neely H., Benedict C., and **G.T. LaHue**. Measuring and mitigating soil compaction in red raspberry fields for improved soil conditions. Washington Red Raspberry Commission, **co-PI (\$0, \$10,000)**, 2020 – 2021 **(2, 4)**
- **LaHue G.T.**, Waters T., and L. du Toit. Revisiting nitrogen management recommendations in the context of onion bacterial diseases. Columbia Basin Onion Research Committee, **PI (\$17,381)**, 2020 **(1, 2, 3, 4, 5, 6)**
- Embertson N., **LaHue G.T.**, Clark C., Griffin LaHue D.E., Graham S., and D. Bekenyi. Demonstration of the benefits of subirrigation using water level control structures for improved agricultural irrigation water use. USDA NRCS Conservation Innovation Grant, **co-PI (\$112,951; \$415,291)**, 2020 – 2022 **(2, 3, 4, 5, 6)**
- **LaHue G.T.** Impacts of irrigation management changes on Stemphylium leaf spot control. Washington State Commission on Pesticide Registration, **PI (\$10,545)**, 2020 **(1, 2, 3, 4, 5, 6)**
- **LaHue G.T.** and L. du Toit. Irrigation scheduling and soil moisture thresholds to maximize spinach seed production. Northwest Agricultural Research Foundation, **PI (\$13,046)**, 2020 **(1, 2, 3, 4, 5, 6)**
- du Toit L., Dutta B., Aegerter B., Hoepfing C., Kvitko B., Uchanski M., Bartolo M., Colson G., Coutinho T., Cramer C., Drost D., Gugino B., Hausbeck M., Kalyanamaran A., **LaHue G.T.**, Malla S., Nischwitz C., Putnam A., Rajagopalan K., Reitz S., Sidhu J., Waters T., Wilson R., and J. Woodhall. Stop the rot: Combating onion bacterial diseases with pathogenomics tools and enhanced management strategies. USDA NIFA Specialty Crop Research Initiative, **Collaborator (\$111,840; \$4,044,300)**, 2019 – 2023 **(4, 5, 6)**
- LaHue G.T., Griffin LaHue D.E., Wasko DeVetter L., and C. Benedict. Valuing nitrogen release from high organic matter soils. Washington Blueberry Commission, **PI (\$15,739)**, 2019 – 2020 **(2, 3, 4, 5, 6)**
- Griffin LaHue D.E., LaHue G.T., Benedict C., and L. Wasko DeVetter. Reducing alleyway tillage to decrease costs and improve soil health. Washington Red Raspberry Commission, **co-PI (\$1,083; \$7,070)**, 2019 – 2020 **(2, 4)**
- Miles C., LaHue G.T., Alexander T., King J., and E. Scheenstra. Evaluating regulated deficit irrigation in cider apple orchards for improved water use efficiency, reduced labor input, and improved fruit quality. WSU BIOAg Grant Program, **co-PI (\$4,376; \$39,200)**, 2019 – 2020 **(2, 3, 4, 6)**

HONORS, AWARDS, AND FELLOWSHIPS

- Awards at WSU:
 - 2025: American Society of Horticultural Science Outstanding Education Publication Award winner for papers published in 2024 (Sloan et al., 2024; senior and corresponding author, former MS student was the first author)
 - 2025: College of Agricultural, Human, and Natural Resource Sciences Early Career Excellence Award, Nominee for the Department of Crop and Soil Sciences
 - 2024: Agronomy Journal top viewed article in the 12 months after publication (Belo et al., 2023; senior and corresponding author, former MS student was the first author)

- 2023: Vadose Zone Journal top 10% most downloaded article in the 12 months after publication (Singh et al., 2022; senior and corresponding author, former postdoc was the first author)
- 2022: WSU Global Campus Excellence in Online Teaching Award Nominee
- Student Awards at WSU:
 - 2025: Isha Chand, Crop Irrigation Strategies and Management Community, Poster Presentation Student Competition, American Society of Agronomy (ASA-CSSA-SSSA Annual Meeting)
 - 2025: Gagandeep Kaur, 2nd Place, Sustainable Intensification Community, Oral Presentation Student Competition, American Society of Agronomy (ASA-CSSA-SSSA Annual Meeting)
 - 2025: Gagandeep Kaur, 2nd Place out of 465 participants, Society-wide Diversity Student Poster Competition (ASA-CSSA-SSSA Annual Meeting)
 - 2025: Gagandeep Kaur, 3rd Place, Crops for Nutrition and Health Division, 5-minute Rapid Oral and Poster Presentation Student Competition, Crop Science Society of America (ASA-CSSA-SSSA Annual Meeting)
 - 2025: Gagandeep Kaur, Bayers Fellow Program (ASA-CSSA-SSSA Annual Meeting)
 - 2025: Gagandeep Kaur, Graduate Student Leadership Conference (ASA-CSSA-SSSA Annual Meeting)
 - 2024: Sahil Thapa, 2nd Place, Crop Irrigation Strategies and Management Community, Poster Presentation Student Competition, American Society of Agronomy (ASA-CSSA-SSSA Annual Meeting)
 - 2024: Sahil Thapa, 2nd Place, Soil Fertility and Plant Nutrition Division, 5-minute Rapid Oral and Poster Presentation M.S. Student Competition, Soil Science Society of America (ASA-CSSA-SSSA Annual Meeting)
 - 2023: Claire Yost, 1st Place, Soil and Water Management Professionals Community Poster Competition, American Society of Agronomy (ASA-CSSA-SSSA Annual Meeting)
 - 2021: Tessa Belo, 4th Place, Soil Fertility and Plant Nutrition Division, 5-minute Rapid Oral and Poster Presentation M.S. Student Competition, Soil Science Society of America (ASA-CSSA-SSSA Annual Meeting)
 - 2020: Cheyenne Sloan, 1st Place, CAHNRS M.S. Student 3-minute Thesis Competition
- Awards and Fellowships Received Prior to WSU
 - 2016 – 2017, 2017 – 2018: William G. and Kathleen Golden International Agricultural Fellowship,
 - 2017 – 2018: Bert and Nell Krantz Fellowship
 - 2016: D. Marlin Brandon Rice Research Fellowship
 - 2015 – 2016: Milton D. and Mary M. Miller Plant Science Award
 - 2015, 2016: Henry A. Jastro Graduate Research Award
 - 2015 – 2016: Research and Innovation Fellows for Agriculture

SCHOLARLY RESEARCH PUBLICATIONS AND PRESENTATIONS

A. Refereed Journal Articles³ (Total Published: 17 [10 at WSU])

Published (Google Scholar: Citations = 549, h-index = 11, i10-index = 11)

2025

³ Key to indicators or description of contributions to publications: 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; 7 = Student paper (the student is underlined); * = Corresponding author; † = Publication from work at WSU.

- Jadhav S., DeVetter L.W., **LaHue G.T.***, Spencer S.L., Prudencio A., Caldana C., Fernie A.R., and M. Borghi. 2025. Nitrogen fertilizer exerts little impact on highbush blueberry floral chemistry, pollinator visitation, yield, and fruit quality. *Physiol. Plant.*, 177:70526. <https://doi.org/10.1111/ppl.70526> **(4, 6)**
- Singh N., Flury M., Neely H., Akin I., Bary A., and **G.T. LaHue*†**. 2025. Compaction of a sandy loam soil not impacted by long-term biosolids applications. *Soil Tillage Res.* 253:106648. <https://doi.org/10.1016/j.still.2025.106648> **(1, 2, 3, 4, 6, 7)**

2024

- Wilson R., Aegerter B., and **G.T. LaHue†**. **2024**. The influence of sprinkler and drip irrigation on the incidence and severity of bacterial disease in onions grown in northeast California. *Plant Health Prog.* 25:293–298. <https://doi.org/10.1094/PHP-01-24-0002-RS> **(6)**
- Varner H., Myhre L., Schacht B., Pupo J., Spawton K., du Toit L., and **G.T. LaHue*†**. **2024**. Impacts of irrigation timing and quantity on spinach seed yield, vegetative growth, and Stemphylium leaf spot. *HortScience*. 59:820–830. <https://doi.org/10.21273/HORTSCI17661-23> **(1, 2, 3, 4, 6, 7)**
- Sloan C., DeVetter L.W., Griffin LaHue D., Benedict C., Bryla D., and **G.T. LaHue*†**. **2024**. Nitrogen supply from soil organic matter: Predictors and implications for recommended nitrogen application rates in northern highbush blueberry. *HortScience*. 59:725–735. <https://doi.org/10.21273/HORTSCI17632-23> **(2, 3, 4, 6, 7; American Society of Horticultural Science Outstanding Education Publication Award winner for papers published in 2024)**

2023

- Belo T.R., du Toit L.J., Waters T.D., Derie M.L., Schacht B., and **G.T. LaHue*†**. **2023**. Reducing the risk of onion bacterial diseases through managing irrigation frequency and final irrigation timing. *Agric. Water Manag.* 288:108476. <https://doi.org/10.1016/j.agwat.2023.108476> **(2, 3, 4, 6, 7)**
- Belo T.R., du Toit L.J., and **G.T. LaHue*†**. **2023**. Reducing the risk of onion bacterial diseases through irrigation, fertility, and other cultural management strategies. *Agron. J.* 115:459–473. <http://dx.doi.org/10.1002/agj2.21301> **(2, 3, 4, 6, 7; top viewed article for this journal in the 12 months after publication)**

2022

- Singh N., Kogan C., Chaudhary S., Rajagopalan K., and **G.T. LaHue*†**. **2022**. Effects of controlled drainage and subirrigation on crop yield and soil moisture. *Vadose Zone J.* 21:e20219. <https://doi.org/10.1002/vzj2.20219> **(2, 3, 4, 6, 7; top 10% most downloaded article for this journal in the 12 months after publication, highlighted in CSA News: <https://doi.org/10.1002/csan.20880>)**
- Carrijo D.R., **LaHue G.T.**, Parikh S.J., Chaney R.L., and B.A. Linquist. **2022**. Mitigating the accumulation of arsenic and cadmium in rice grain: a quantitative review of the role of water management. *Sci. Total Environ.* 839:156245. <https://doi.org/10.1016/j.scitotenv.2022.156245> **(3, 6)**
- Kendall A., Alexander T.R., **LaHue, G.T.†**, and C.A. Miles. **2022**. Summer mechanical hedging is effective for pruning of eight cider apple cultivars. *HortTechnology*. 32:313–320. <https://doi.org/10.21273/HORTTECH04990-21> **(4, 6, 7)**
- Kendall A., Miles C., Alexander T., Scheenstra E., and **G.T. LaHue*†**. **2022**. Reduced irrigation during orchard establishment conserves water and maintains yield for three cider apple (*Malus domestica* Borkh.) cultivars. *HortScience*. 57:118–125. <https://doi.org/10.21273/HORTSCI16252-21> **(2, 3, 4, 6, 7)**

2021

- **LaHue G.T.*** and B.A. Linquist. **2021**. The contribution of percolation to water balances in water-seeded rice systems. *Agric. Water Manag.* 243:106445. <https://doi.org/10.1016/j.agwat.2020.106445> **(1, 3, 4, 5, 6)**

2019

- **LaHue G.T.*** and B.A. Linquist. **2019**. The magnitude and variability of lateral seepage in California rice fields. *J. Hydrol.* 574:202–210. <https://doi.org/10.1016/j.jhydrol.2019.04.030> **(1, 3, 4, 5, 6)**

Prior to 2019

- Chirinda N., Arenas L., Katto M., Loaiza S., Correa F., Ishitani M., Loboguerrero A.M., Martinez-Baron D., Graterol E., Jaramillo S., Torres C.F., Arango M., Guzmán M., Avila I., Hube S., Kurtz D.B., Zorrilla G., Terra J., Irisarri P., Tarlera S., **LaHue G.T.**, Scivittaro W.B., Noguera A., and C. Bayer. **2018**. Sustainable and low greenhouse gas emitting rice production in Latin America and the Caribbean: A review on the transition from ideality to reality. *Sustainability.* 10:671. <https://doi.org/10.3390/su10030671> **(5, 6)**
- Chirinda N., Arenas L., Loaiza S., Trujillo C., Katto M., Chaparro P., Nuñez J., Arango J., Martinez-Baron D., Loboguerrero A.M., Lopez-Lavalle L.A.B., Avila I., Guzmán M., Peters M., Twyman J., García M., Serna L., Escobar D., Arora D., Tapasco J., Maazbel L., Correa F., Ishitani M., Da Silva M., Graterol E., Jaramillo S., Pinto A., Zuluaga A., Lozano N., Byrnes R., **LaHue G.T.**, Alvarez C., Rao I., and R. Barahona. **2017**. Novel technological and management options for accelerating transformational changes in rice and livestock systems. *Sustainability.* 9:1891. <https://doi.org/10.3390/su9111891> **(3, 6)**
- **LaHue G.T.***, Chaney R.L., Adviento-Borbe M.A., and B.A. Linquist. **2016**. Alternate wetting and drying in high yielding direct-seeded rice systems accomplishes multiple environmental and agronomic objectives. *Agric., Ecosyst. Environ.* 229:30-39. <https://doi.org/10.1016/j.agee.2016.05.020> **(3, 4, 5, 6)**
- **LaHue G.T.***, Adviento-Borbe M.A., Linquist B.A., van Kessel C., and S.J. Fonte. **2016**. Fertilizer memory effects increase nitrous oxide emissions from zero N controls: implications for estimating fertilizer-induced emission factors. *J. Environ. Qual.* 45:1501-1508. <https://doi.org/10.2134/jeq2015.07.0409> **(3, 4, 5, 6)**

Submitted

- Thapa S., du Toit L.J., Waters T.D., Belo T., Schacht B., and **G.T. LaHue*†**. Nitrogen application rates impact bacterial bulb rot in onions grown under sprinkler irrigation. Submitted to *Crop Protection* in October 2025 **(2, 3, 4, 6, 7)**
- Puri P., **LaHue, G.T.†**, Frost K.E., and C. Mattupalli. Effect of geographic location and soil moisture on in-field development of silver scurf of potato. Submitted to *Plant Disease* in December 2025 **(4, 6)**

In Preparation

- Waters C., Waters T.D., du Toit L.J., Thapa S., Belo T., Schacht B., and **G.T. LaHue*†**. Critical soil and plant tissue thresholds to guide in-season nitrogen management for onion production. In preparation for submission to *HortScience* **(1, 2, 3, 4, 6, 7)**
- Thapa S., du Toit L.J., Waters T.D., Belo T., and **G.T. LaHue*†**. Nitrogen application cut-off timing does not impact the incidence of bacterial rot of onions grown under sprinkler irrigation. In preparation for submission to *Plant Health Progress* **(2, 3, 4, 6, 7)**
- Yost C., Kalcsits L., Miles C., Galinato S., and **G.T. LaHue*†**. Regulated deficit irrigation conserves water with limited impact on fruit yield and quality in cider apples. In preparation for submission to *HortScience* **(2, 4, 6, 7)**
- Yost C., Kalcsits L., Collins T., Miles C., Fox D., Elcan A., and **G.T. LaHue*†**. Regulated deficit irrigation has little impact on cider apple juice quality. In preparation for submission to *HortScience* **(2, 4, 6, 7)**

- **LaHue G.T.*†**, Singh N., Perez A., Flury M., Neely H., and I. Akin. Is available water capacity relevant for soil health assessments in irrigated systems? A case study of soil compaction. In preparation for submission to *Soil Sci. Soc. Am. J.* (**1, 2, 3, 4, 6, 7**)

B. Abstracts (Total: 4 [4 at WSU])⁴

- Kendall A.C., **LaHue G.T.†**, Alexander T.R., King J., Scheenstra E., and C.A. Miles. **2021**. Regulated deficit irrigation conserves water and maintains yield for three cider apple (*Malus domestica* Borkh.) cultivars. *HortScience*. 56(9) Supplement – 2021 ASHS Annual Conference. S187. <https://doi.org/10.21273/HORTSCI.56.9S.S1> (**3, 4, 6, 7**)
- Kendall A.C., **LaHue G.T.†**, Alexander T.R., King J., Scheenstra E., and C.A. Miles. **2021**. Mechanical hedging in four cider apple bearing habits. *HortScience*. 56(9) Supplement – 2021 ASHS Annual Conference. S155. <https://doi.org/10.21273/HORTSCI.56.9S.S1> (**3, 4, 6, 7**)
- Sloan C., Wasko DeVetter L., Griffin LaHue D., Benedict C., and **G.T. LaHue*†**. **2020**. Quantifying nitrogen supply from soil organic matter for highbush blueberry production. *HortScience*. 55(9) Supplement – 2020 ASHS Annual Conference. S76. <https://doi.org/10.21273/HORTSCI.55.9S.S1> (**2, 3, 4, 6, 7**)
- Alexander T.R., **LaHue G.T.†**, King J., Scheenstra E., and C.A. Miles. **2020**. Optimizing cider orchard performance with irrigation scheduling and regulated deficit irrigation. *HortScience*. 55(9) Supplement – 2020 ASHS Annual Conference. S361. <https://doi.org/10.21273/HORTSCI.55.9S.S1> (**3, 4, 6**)

C. Refereed Book Chapters (Total: 1 [0 at WSU])

- Dahlke H.E., **LaHue G.T.**, Mautner M.R.L., Murphy N.P., Patterson N.K., Waterhouse H., Yang F., and L. Foglia. **2018**. Aquifer Recharge as a tool to enhance sustainable groundwater management in California: examples from field and modeling studies. In: J. Friesen and L. Rodriguez Sinobas (Eds.), *Advances in Chemical Pollution, Environmental Management and Protection: Advanced Tools for Integrated Water Resources Management*, Volume 3, pp. 215-275. <https://doi.org/10.1016/bs.apmp.2018.07.003> *Invited submission* (**5, 6**)

D. Refereed Technical Reports (Total: 4 [4 at WSU])

- Gundersen B., Elcan A., Blauer J., **LaHue G.T.†**, and C. Mattupalli. Assessment of management practices at vine kill on silver scurf and black dot of potato in Washington, 2023. *Plant Health Progress Plant Disease Management Report*. 26:764 <https://doi.org/10.1094/PHP-05-25-0150-PDMR> (**6**)
- Thapa S., du Toit L., Waters T., Derie M., Schacht B., and **G.T. LaHue*†**. Effects of irrigation frequency on onion bacterial bulb rot in the Columbia Basin of Washington State, 2023-24. *Plant Disease Management Reports*. 18:CF075 (**2, 3, 4, 6, 7**)
- Thapa S., du Toit L., Waters T., Derie M., Schacht B., and **G.T. LaHue*†**. Effects of nitrogen management on onion bacterial bulb rot in the Columbia Basin of Washington State, 2023-24. *Plant Disease Management Reports*. 18:CF076 (**2, 3, 4, 6, 7**)
- Belo T., du Toit L., Waters T., Derie M., and **G.T. LaHue*†**. **2021**. Effects of irrigation frequency and final irrigation timing on onion bacterial diseases in the Columbia Basin of Washington, 2020. *Plant Disease Management Reports*. 15:V109 (**2, 3, 4, 6, 7**)

E. Non-refereed Technical Reports (Total: 1 [0 at WSU])

⁴ Key to indicators or description of contributions to publications: 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; 7 = Student paper (the student is underlined); * = Corresponding author; † = Publication from work at WSU.

- García M.A., Katto M.C., Twyman J., **LaHue G.T.**, and N. Chirinda. **2016**. How might the gender roles affect the implementation of a new water-saving technique for Colombian rice production? Report of gender dimensions in Colombian rice production. Working Paper. CIAT Publication No. 437. International Center for Tropical Agriculture (CIAT), Cali, Colombia. 37 p. **(3, 4, 6)**

F. Scholarly Presentations (Total: 32 [28 at WSU])⁵

- Kaur G., Neely C., Griffin LaHue D., Neely H.L., Murphy K., Sidhu N.S., Bashir S., and **G.T. LaHue†‡**. “Linking soil management to nutrient stratification in the rolling hills of the Palouse” Oral presentation at the 2025 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 12th, **2025**.
- **LaHue G.T.†‡**, Martinez P., and N. Singh. “Soil organic matter does not indirectly affect plant available water by altering soil susceptibility to compaction” Oral presentation at the 2025 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 11th, **2025**.
- Chand I., Mattupalli C., Neely H.L., and **G.T. LaHue†‡**. “Impacts of irrigation management and soil compaction on soil moisture and potato yield.” Poster presentation at the 2025 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 11th, **2025**.
- Martinez P., Griffin LaHue D., and **G.T. LaHue†‡**. “The impact of soil disturbance and organic matter inputs on soil physical health, nutrient availability, and crop yields”. Oral presentation at the 2025 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 11th, **2025**.
- Griffin LaHue D., Gelardi D.L., Reyes Rojas L., and **G.T. LaHue†**. “Soil and water sustainability in the Pacific Northwest: Farmer perspectives and research insights from diverse landscapes.” Symposium presentation at the 2025 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 10th, **2025**.
- Kaur G., Neely C., **LaHue G.T.†‡**, Griffin LaHue D., Neely H.L., Murphy K., Braden J., and B. Gerrish. “Feeding the future: Strengthening nutrition through agronomic biofortification” Oral and poster presentation at the 2025 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 10th, **2025**.
- Kaur G., Neely C., Griffin LaHue D., Neely H.L., Murphy K., Gerrish B., and **G.T. LaHue†‡**. “Bridging science and sustainability: Implications of the Soil to Society pipeline for soil health and crop nutrition” Oral presentation at the 2025 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 10th, **2025**.
- Kaur G., Neely C., Griffin LaHue D., Neely H.L., Murphy K., Sidhu N.S., Gerrish B., and **G.T. LaHue†‡**. “The ground truth: Letting soil health indicators reveal the story”. Poster presentation at the 2025 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 10th, **2025**
- Barsan A., Griffin LaHue D., **LaHue G.T.†**, and L. Nottingham. Evaluating impacts of soil quality and crop rotation on arthropod communities in northwestern Washington". Poster presentation at the 84th Annual Pacific Northwest Insect Management Conference, Portland, OR, January **2025**.
- Barsan A., Griffin LaHue D., **LaHue G.T.†**, and L. Nottingham. “Evaluating impacts of soil quality and crop rotation on arthropod communities in northwestern Washington". Poster presentation at the Entomological Society of America Annual Meeting, Phoenix, AZ, November **2024**.
- **LaHue G.T.†**, Griffin LaHue D., Martinez P., Benedict C., Mattupalli C., and L. Nottingham. “Impacts of carbon inputs and soil disturbance on crop yield and soil health in the initial years of a Long-Term

⁵ Key to indicators or description of contributions to publications and presentations: 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; 7 = Student paper (underlined); * = Corresponding author; † = Publication from WSU; ‡ = Student presentation

- Agroecological Research and Extension Site in Washington State”. Oral presentation at the 2024 ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX, November 13th, **2024**.
- Klein R., Griffin LaHue D., Kaur G., **LaHue G.T.†**, Martinez P., Murphy K., Neely C., Ochoa R., and K. Szlavecz. “Agricultural management and soil mesofauna in wheat cropping systems”. Poster presentation at the 2024 ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX, November 13th, **2024**.
 - Martinez P., Murphy K., Neely C., Griffin LaHue D., and **G.T. LaHue†‡**. “Effects of zinc, manganese, and soil pH management on quinoa grain quality and yields”. Oral and poster presentation at the 2024 ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX, November 12th, **2024**.
 - Thapa S., du Toit L., Waters T., and **G.T. LaHue†‡**. “Irrigation management: An inexpensive way to reduce the risk of bacterial rot of onions grown in the Columbia Basin of Washington State”. Oral and poster presentation at the 2024 ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX, November 12th, **2024**.
 - Kaur G., Neely C., Griffin LaHue D., **LaHue G.T.†**, Neely H., Braden J., Murphy K., and B. Gerrish. “Agronomic biofortification: Does changing the timing and method of micronutrient fertilizer application enhance grain mineral composition?”. Oral and poster presentation at the 2024 ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX, November 12th, **2024**.
 - Thapa S., du Toit L., Waters T., and **G.T. LaHue†‡**. “Stop the Rot: Revisiting nitrogen fertility practices in onion production in the context of bacterial diseases”. Oral and poster presentation at the 2024 ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX, November 11th, **2024**.
 - Kaur G., Neely C., Griffin LaHue D., **LaHue G.T.†**, Neely H., Murphy K., and B. Gerrish. “Soil to Society: An approach to enhance soil health and crop nutritional quality”. Oral presentation at the 2024 ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX, November 11th, **2024**.
 - **LaHue G.T. †**, Belo T., du Toit L., Waters T., Derie M., and B. Schacht. “Impacts of irrigation frequency and final irrigation timing on onion bacterial diseases”. Oral presentation at the 2023 ASA, CSSA, SSSA International Annual Meeting, St. Louis, MO, November 1st, **2023**.
 - **LaHue G.T.†**, and N. Singh. “The relevance of Available Water Capacity as a soil health indicator: A case study on soil compaction”. Oral presentation at the 2023 ASA, CSSA, SSSA International Annual Meeting, St. Louis, MO, October 31st, **2023**.
 - Kaur G., Neely C.B., LaHue G.T., Neely H.L., Murphy K., Gerrish B.J., and J.M. Conner. “Optimizing soil health and cropping systems for producing nutrient dense crops in dryland agriculture”. Poster presentation at the 2023 ASA, CSSA, SSSA International Annual Meeting, St. Louis, MO, October 31st, **2023**
 - Yost C., Kalcsits L., Miles C., and **G.T. LaHue†‡**. “Regulated deficit irrigation in Washington State cider apples”. Poster presentation at the 2023 ASA, CSSA, SSSA International Annual Meeting, St. Louis, MO, October 30th, **2023**.
 - Singh N., Neely H., Akin I., Flury M., and **G.T. LaHue†‡**. “Impacts of soil organic matter and field compaction on plant available water”. Oral presentation at the 2022 ASA, CSSA, SSSA International Annual Meeting, Baltimore, MD, November 9th, **2022**.
 - Varner H., Brady M., Galinato S., Goldberger J., and **G.T. LaHue†‡**. “Farmer participatory research on irrigation : A model for learning and adaptation”. Oral presentation at the 2022 ASA, CSSA, SSSA International Annual Meeting, Baltimore, MD, November 7th, **2022**.
 - MacKay H., du Toit L., Aegerter B., Colson G., Coutinho T., Dutta B., Gugino B., Hoepting C., Kvitko B., **LaHue G.T. †**, Malla S., Nischwitz C., Reitz S., Sidhu J., Uchanski M., Waters T., Wilson R., Woodhall J.,

and M. Asma. “Combating onion bacterial diseases with pathogenomics tools and enhanced management strategies: Research objectives and progress towards reducing crop losses”. Poster presentation at the 14th International Conference on Plant Pathogenic Bacteria, Assisi, Italy, July **2022**.

- **LaHue G.T. †**, Belo T., Derie M., Dutta B., Feibert E., Gugino B., Hoepting C., Mazzone J., Reitz S., Waters T., Wilson R., and L. du Toit. “Reducing the risk of onion bacterial diseases through irrigation and nitrogen management”. Presentation at the National Allium Research Conference, Denver, CO, February 28 – March 1, **2022**.
- **LaHue G.T.†**, Wasko DeVetter L., Griffin LaHue D., Sloan C., and C. Benedict. “Implications of N supply from soil organic matter for nutrient management in northern highbush blueberry production”. Oral presentation at the 2021 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 9th, **2021**.
- Singh N., Kogan C., Chaudhary S., Rajagopalan K., and **G.T. LaHue†‡**. “Effects of controlled drainage and subirrigation on crop yield and soil moisture: A meta-analysis”. Oral presentation at the 2021 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 9th, **2021**.
- Belo T., du Toit L., Waters T., Derie M., Schacht B., and **G.T. LaHue†‡**. “Combating onion bacterial diseases through nitrogen fertility management”. Oral and poster presentation at the 2021 ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT, November 9th, **2021**.
- MacKay H., Colson G., Coutinho T., Dutta B., Hoepting C., Kvitko B., LaHue G., Rajagopalan K., Uchanski M., Waters T., Woodhall J., and L. du Toit. “Combating onion bacterial diseases with pathogenomics tools and enhanced management strategies: Research objectives and preliminary results”. Poster presentation at the American Phytopathological Society Annual Meeting, Online, August 5th, **2021**.
- **LaHue, G.T.†**. “Supplemental irrigation strategies for spinach seed production in western Washington”. Oral presentation at the 2019 ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX, November 13th, **2019**.
- **LaHue, G.T.**, and B.A. Linquist. “Subsurface water losses: Seepage and percolation in California rice fields”. Oral presentation at the 2019 Soil Science Society of America Annual Meeting, San Diego, CA, January 8th, **2019**.
- **LaHue G.T.**, and B.A. Linquist. “Subsurface water losses: Seepage and percolation in California rice fields”. Oral presentation at the 2018 Rice Technical Working Group Conference, Long Beach, CA. February 22nd, **2018**.
- **LaHue G.T.**, Sandoval-Solis S., and B.A. Linquist. “The influence of the recent California drought on water table levels in the Sacramento Valley”. Poster presentation at the “Toward Sustainable Groundwater in Agriculture” conference, Burlingame, CA. June 29th, **2016**.
- **LaHue G.T.**, Adviento-Borbe M.A., van Kessel C., and B.A. Linquist. “Using alternative water management to reduce greenhouse gas emissions and maintain yields in California rice systems.” Oral presentation at the 2014 ASA-CSSA-SSSA International Annual Meeting, Long Beach, CA. November 4th, **2014**.

EXTENSION PUBLICATIONS AND PRESENTATIONS⁶

A. Refereed Extension Publications (Total = 3 [3 at WSU])

⁶ Key to indicators or description of contributions to publications: 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; 7 = Student paper (the student is underlined); † = Publication from work at WSU.

Published

- Whittemore A., Kruger C.E., Rajagopalan K., Doonan K., Phelps M., Hall S.A., **LaHue G.T.†**, Gelardi D.L., and G.G. Yorgey. 2025. Anticipated climate impacts on agriculture in Washington State. WSU Extension Manual. EM134E. <https://pubs.extension.wsu.edu/product/anticipated-climate-change-impacts-on-agriculture-in-washington-state/> (6)
- Maltry J., Collins D., **LaHue G.T.†**, and A. Jayakaran. 2025. Soil compaction in annual crop production: Causes, impacts, and solutions. WSU Extension Fact Sheet. FS396E. 14 pp. <https://pubs.extension.wsu.edu/product/soil-compaction-in-annual-crop-production-causes-impacts-and-solutions/> (4, 6)
- Yoder J., Chaudhary S., Duarte B., Greene C., Jobe J., **LaHue G.T.†**, Maroney C., Mauger G., Morgan H., Padowski J., Rajagopalan K., Raymond C., Rogers M., Rossman N., Singh N., Timpone-Padgham B., Wiseman C., and J. Won. 2021. Skagit Water Supply and Demand Synthesis. Story Map Series Prepared for the State of Washington Joint Legislative Task Force on Water Supply. <https://doi.org/10.7273/4n11-9k73> (2, 3, 4, 5, 6, 7)

In Revision

- **LaHue G.T.†**, Singh N., Wilhelm Z., and A. Phay. Controlled drainage and subirrigation. WSU Extension Fact Sheet (1, 2, 3, 4, 5, 6)

B. Non-refereed Extension Publications (Total = 7 [6 at WSU])

- Whittemore A., Kruger C.E., Rajagopalan K., Doonan K., Phelps M., Hall S.A., **LaHue G.T.†**, Gelardi D.L., and G.G. Yorgey. 2025. Anticipated climate impacts on agriculture in Washington State. In: Climate resilience plan for Washington agriculture. D.L. Gelardi (Ed.). Washington State Department of Agriculture AGR2-2502-003, pp. 89-98 <https://agr.wa.gov/ClimateResilienceWaAg> (6)
- **LaHue G.T.†**, Belo T., and L. du Toit. 2023. Cultural management strategies to reduce the risk of onion bacterial diseases. *Crops & Soils Magazine*. 56(5): 22 – 28. Available from: <https://access.onlinelibrary.wiley.com/doi/10.1002/crso.20305> (2, 3, 4, 6, 7)
- Belo T., **LaHue G.T.†**, du Toit L., and T. Waters. 2021. When to water: How do irrigation frequency and final irrigation timing influence onion bacterial diseases? *Onion World*. Dec. pp. 6 – 8. Available from: https://issuu.com/columbiamediagroup/docs/onion_world_december_2021?fr=sNDA4ZDI1Mjg1MDI (2, 3, 4, 6, 7)
- Gerbrandt E., Wasko DeVetter L., Strik B., Griffin LaHue D., **LaHue G.T.†**, Dossett M., Sweeney M., and V. Stockwell. 2021. Severe flooding of blueberry fields in southwestern British Columbia and northwestern Washington. 7 pp. Available from: <https://s3.wp.wsu.edu/uploads/sites/2181/2021/12/Severe-Flooding-in-the-Sumas-Flats-Final.pdf> (6)
- DeVetter L.W., Gerbrandt E., Strik B., Melathaopoulos A., Pscheidt J., Weiland J., Zasada I., Stockwell V., Bryla D., Dossett M., Mattupalli C., Benedict C., **LaHue G.T.†**, Griffin LaHue D., Zhu M., Teasdale C., and J. Pond. 2021. Berry crops and flooding. 5 pp. Available from: https://agsci.oregonstate.edu/sites/agscid7/files/horticulture/berry/berry_crops_and_flooding_12-2021.pdf (6)
- Hills K., and C. Benedict (Eds.), Blua M., Collins D., DuPont T., Griffin LaHue D., Hoheisel G., Jensen A., Keller M., Koenig R., Kruger C., **LaHue G.T.†**, McGuire A., and M. Moyer. 2021. Washington Soil Health Initiative Roadmap. 124 pp. Available from: <https://s3.wp.wsu.edu/uploads/sites/2464/2021/11/WSU-Soil-Health-Roadmap-Nov-2021-Version.pdf> (3, 4, 5, 6)
- Linquist B.A., and **G.T. LaHue**. 2020. Managing rice with limited water. Agronomy Fact Sheet #6. University of California Cooperative Extension, Davis, California, USA. 2 p. Available from: <https://ucanr.edu/sites/RiceTestSite/files/328502.pdf> (3, 4, 6)

C. Extension Newsletters and Other Media (Total = 11 [11 at WSU])

- **LaHue G.T.†**. In: “Viva el suelo: From farmers to soil health managers”. Viva Farms. 11 Nov. 2025. Available from: https://www.youtube.com/playlist?list=PLraj_bxVa_9nIIORgFzoFehduKuEx3KX
- du Toit L., MacKay Brown H., Britton W., Dutta B., Aegerter B., Hoeping C., Kvitko B., Uchanski M., Colson G., Coutinho T., Cramer C., Gugino B., **LaHue G.T.†**, Malla S., Nischwitz C., Reitz S., Sidhu J., Waters T., Wilson R., and J. Woodhall. “Stop the Rot: Managing onion bacterial diseases”. WSU CAHNRS. 4 Nov. 2025. Available from: <https://vimeo.com/1133694851>
- **LaHue G.T.†**. In: “Every last drop”. Whatcom Family Farmers. 21 July 2025. Available from: www.youtube.com/watch?v=6rwHxloCucY
- **LaHue G.T.†**, and D. Griffin LaHue. In: “Perfect potatoes”. Washington Grown, Season 12, Episode 1. Aired 7 Jan. 2025. Available from: <https://youtu.be/Q0IAOz52K7M?si=rli3KURqkIDsK9Nf&t=1055>
- Singh N., and **G.T. LaHue†**. What is controlled drainage and subirrigation? Soil Science Society of America “Soils Matter, Get the Scoop!” Blog. 1 May 2023. <https://soilsmatter.wordpress.com/2023/05/01/what-is-controlled-drainage-and-subirrigation/> (1, 2, 3, 4, 6, 7)
- **LaHue G.T.†**, Sloan C., DeVetter L., Griffin LaHue D., Benedict C., and D. Bryla. Does soil organic matter influence N management in blueberry production? Northwest Berry Foundation Forum. 30 March 2023. <https://nwberryfoundation.org/does-soil-organic-matter-influence-n-management-in-blueberry-production/> (2, 3, 4, 5)
- **LaHue G.T.†**, Sloan C., DeVetter L., Griffin LaHue D., Benedict C., and D. Bryla. Does soil organic matter influence N management in blueberry production? Whatcom Ag Monthly. Volume 12 Issue 3. March 2023. <https://extension.wsu.edu/wam/does-soil-organic-matter-influence-n-management-in-blueberry-production/> (2, 3, 4, 5)
- **LaHue G.T. †**, and D. Griffin LaHue. What does it take to start a long-term experiment? Featured blog on the Washington Soil Health Initiative quarterly newsletter. 13 Dec. 2022. <https://soilhealth.wsu.edu/2022/12/13/what-does-it-take-to-start-a-long-term-experiment/> (1, 5)
- Singh N., and **G.T. LaHue†**. Impacts of long-term biosolids application on soil compaction and plant available water. Northwest Biosolids Research Short Story. 5 May 2022. <https://nwbiosolids.org/impacts-of-long-term-biosolids-application-on-soil-compaction-and-plant-available-water/> (1, 2, 3, 4, 6, 7)
- **LaHue G.T.†**, Belo T., du Toit L., and T. Waters. Two critical pieces of the puzzle: Irrigation and nitrogen management impacts on bacterial bulb rots. In: Wohleb C., Waters T., and L. du Toit (Eds.) WSU Onion Alerts. Issue 3. 1 Sept. 2021. Available from: <https://mailchi.mp/wsu/wsu-onion-alert-sept1-2021-1305808?e=884d3c4f64> (2, 3, 4, 5, 7)
- **LaHue G.T.†**, and D. Griffin LaHue. In: “The soil builders”. Darigold. 23 Sept. 2019. Available from: <https://www.youtube.com/watch?v=pVxDUPsikC4>

D. National Extension and Outreach Presentations (Total: 5 [5 at WSU])⁷

- **LaHue G.T.†§** “Does N fertilizer burn up soil organic matter?”. Western Nutrient Management Conference, Reno, NV, March 6th, 2025. (Invited Presentation)
- Yost C., Kalcsits L., Miles C., and **G.T. LaHue†§**. “Regulated deficit irrigation in Washington State cider apples”. Poster presentation at CiderCON 2024, Portland, OR, January 19th, 2024.

⁷ † = Presentation from WSU; § = Student presentation (underlined), § = Extension presentation to agricultural producers

- Singh N., Neely H., Akin I., Flury M., and **G.T. LaHue†‡§**. “Impacts of soil organic matter and field compaction on soil physical health indicators”. Oral presentation for SOILCON Ignite Talks, Online, February 22 – 23rd, **2022**. †‡§
- **LaHue G.T.**, Alexander T., Scheenstra E., King J., and C. Miles. “Optimizing cider orchard performance with irrigation scheduling and regulated deficit irrigation” Poster presentation at CiderCON 2020, Oakland, CA, January 30th, **2020**. †§
- **LaHue G.T.†§**, Alexander T., Scheenstra E., King J., and C. Miles. “Regulated deficit irrigation: increasing cider orchard water use efficiency and fruit quality?” Oral presentation at CiderCON 2020, Oakland, CA, January 29th, **2020**. †§

E. State or Regional Extension and Outreach Presentations (Total: 11 [11 at WSU])

- **LaHue G.T.**, du Toit L., and T. Waters. “Nitrogen and irrigation management impacts on bacterial bulb rot”. Pacific Northwest Vegetable Association Annual Conference and Trade Show, Kennewick, WA, November 19th, **2025**. (Invited presentation) †§
- **LaHue G.T.**, Sloan C., Wasko DeVetter L., Griffin LaHue D.E., and C. Benedict. “Nitrogen supply from soil organic matter: Implications for management in highbush blueberry production”. 2021 Washington Small Fruit Conference, Lynden, WA, December 2nd, **2021**. †§
- Belo T. and **LaHue G.T.** (co-presenters), du Toit L., Waters T., Derie M., and B. Schact. “Combating onion bacterial diseases through nitrogen fertility management”. Pacific Northwest Vegetable Association Annual Conference and Trade Show, Kennewick, WA, November 16th, **2021**. (Invited presentation) †‡§
- Belo T. and **LaHue G.T.** (co-presenters), du Toit L., Waters T., Derie M., and B. Schact. “Combating onion bacterial diseases through irrigation management”. Pacific Northwest Vegetable Association Annual Conference and Trade Show, Kennewick, WA, November 16th, **2021**. (Invited presentation) †‡§
- **LaHue G.T.**, and D.E. Griffin LaHue. “Soil fertility and plant nutrition”. WSU Extension Home Horticulture Training, Online, January 23rd, **2021**. (Invited presentation) †
- **LaHue G.T.** “Soils, pesticide fate, and IPM”. WSU Urban IPM and Pesticide Safety Education Program, Online, December 3rd, **2020**, and February 11th, **2021**. (Invited presentation) †
- Sloan C., **LaHue, G.T.**, Griffin LaHue D.E., Wasko DeVetter L., and C. Benedict. “Quantifying nitrogen supply from soil organic matter for highbush blueberry production”. 2020 Washington Small Fruit Conference, Online, December 1st, **2020**. †‡§
- **LaHue G.T.** “Soils, pesticide fate, and IPM”. WSU Urban IPM and Pesticide Safety Education Program, Lynnwood, WA, January 23rd and March 5th, **2020**. (Invited presentation) †
- **LaHue G.T.** “Evaluating an irrigation scheduling tool for spinach seed production”. Specialty Seed Growers Western Oregon Workshop, Albany, OR, January 21st, **2020**. (Invited presentation) †§
- **LaHue G.T.**, Sloan C., Griffin LaHue D.E., Wasko DeVetter L., and C. Benedict. “Valuing nitrogen release from soil organic matter”. 2019 Washington Small Fruit Conference, Lynden, WA, December 4th, **2019**. †‡§
- **LaHue G.T.** “Soils, water, and nutrients across latitudes”. Presentation to Agassiz Research and Development Centre, Agriculture and Agri-Food Canada, Agassiz, Canada, February 19th, **2019**. (Invited presentation)

F. Local Extension and Outreach Presentations (Total: 70 [66 at WSU])

- **LaHue G.T.** “Soil health and water management”. Skagit Farmers Supply Corn and Forage Meeting, Bellingham, WA, January 14th, **2026**. (Invited Presentation) †§
- **LaHue G.T.** “Soil and water management: Lessons across cropping systems”. Western Washington Seed Workshop, Mount Vernon, WA, January 9th, **2026**. (Invited Presentation) †§

2025

- **LaHue G.T.**, Chand I., Neely H., and C. Mattupalli. “Managing soil moisture and soil physical health for potato production in northwestern Washington”. 2025 Lynden Ag Show and Northwest Potato Conference, Lynden, WA, December 3rd, **2025**. †§
- Chand I., Mattupalli C., Griffin LaHue D., Neely H., Galinato S., and **G.T. LaHue**. “How do irrigation management and soil compaction impact potato yield and soil moisture?”. Poster at the 2025 Lynden Ag Show and Northwest Potato Conference, Lynden, WA, December 3rd, **2025**. ††§
- Martinez P., **LaHue G.T.**, Griffin LaHue D., Benedict C., and A. Young. “How is soil health management in potato-based systems affecting soil organic matter, water dynamics, and crop yield?”. Poster at the 2025 Lynden Ag Show and Northwest Potato Conference, Lynden, WA, December 3rd, **2025**. ††§
- **LaHue G.T.** “Field day: From farmers to soil health managers”. Viva Farms Field Day, Burlington, WA, September 29th, **2025**. †§
- **LaHue G.T.**, du Toit L., and T. Waters. “Nitrogen and irrigation management impacts on bacterial bulb rot”. WSU Onion Field Day, Othello, WA, August 28th, **2025**. (Invited Presentation) †§
- **LaHue G.T.** “Managing soil moisture and soil physical health for potato production”. WSU NWREC and NARF Field Day, Mount Vernon, WA, July 10th, **2025**. †§
- **LaHue G.T.** “An introduction to soils”. Viva Farms Practicum in Sustainable Agriculture, Mount Vernon, WA, April 22nd, **2025**. (Invited presentation) †§
- **LaHue G.T.** “Soil physical health, soil moisture, and irrigation requirements for potato production”. Western Washington Potato Workshop, Mount Vernon, WA, February 21st, **2025**. (Invited Presentation) †§
- Martinez P., and **G.T. LaHue**. “An introduction to soils and soil fertility”. WSU Extension Whatcom County Master Gardeners, Bay View, WA, January 24th, **2025**. (Invited presentation) ††
- **LaHue G.T.** “An introduction to soils and soil fertility”. WSU Extension Whatcom County Master Gardeners, Ferndale, WA, January 16th, **2025**. (Invited presentation) †
- **LaHue G.T.** “Spinach seed crop growth stages most sensitive to water stress”. Western Washington Seed Workshop, Mount Vernon, WA, January 10th, **2025**. (Invited Presentation) †§

2024

- **LaHue G.T.**, Griffin LaHue D., Martinez P., Benedict C., Mattupalli C., and L. Nottingham. “Updates from long-term soil health research in northwestern Washington”. 2024 Lynden Ag Show and Northwest Potato Conference, Lynden, WA, December 4th, **2024**. †§
- Nottingham L., Barsan A., Griffin LaHue D., and **G.T. LaHue**†§. “Evaluating impacts of soil quality and crop rotation on arthropods in northwestern Washington”. 2024 Lynden Ag Show and Northwest Potato Conference, Lynden, WA, December 4th, **2024**. †§
- **LaHue G.T.**, Myhre L., Neely H., Griffin LaHue D., Mattupalli C., and S. Galinato. “Managing soil moisture and soil physical health for potato production in NW WA”. 2024 Lynden Ag Show and Northwest Potato Conference, Lynden, WA, December 4th, **2024**. †§

- **LaHue G.T., Thapa S., du Toit L., and T. Waters.** “Irrigation management impacts on onion bacterial bulb rot”. WSU Onion Field Day, Prosser, WA, August 29th, **2024.** (Invited Presentation) †§
- **Thapa S., du Toit L., T. Waters, and G.T. LaHue.** “Nitrogen management impacts on onion bacterial bulb rot”. WSU Onion Field Day, Prosser, WA, August 29th, **2024.** (Invited Presentation) †§
- **LaHue G.T.** “Water management on the dairy farm”. Northwest Dairy Nutrient Management Field Day, Deming, WA, August 21st, **2024.** †§
- **Martinez P., and G.T. LaHue.** “Micronutrient management for quinoa production”. Soil to Society Field Day with Viva Farms, Mount Vernon, WA, August 7th, **2024.** ††§
- **LaHue G.T., and D.E. Griffin LaHue.** “The Washington State Soil Health Initiative and the Mount Vernon LTARE”. WSU NWREC and NARF Field Day, Mount Vernon, WA, July 16th, **2024.** †§
- **LaHue G.T.** “An introduction to soils”. Viva Farms Practicum in Sustainable Agriculture, Mount Vernon, WA, April 16th, **2024.** (Invited presentation) †§
- **LaHue G.T., and D.E. Griffin LaHue.** “The Mount Vernon Long-Term Agroecological Research and Extension (LTARE) Site”. Western Washington Potato Workshop, Mount Vernon, WA, February 23rd, **2024.** (Invited Presentation) †§
- **LaHue G.T., and D.E. Griffin LaHue.** “The Mount Vernon Long-Term Agroecological Research and Extension (LTARE) Site”. Soil Con: NW WA Annual Crops, Mount Vernon, WA, February 15th, **2024.** †§
- **LaHue G.T.** “Dealing with variable weather”. Skagit Ag Summit, Mount Vernon, WA, February 9th, **2024.** (Invited Panelist) †§
- **LaHue G.T.** “An introduction to soils and soil fertility”. WSU Extension Skagit County Master Gardeners, Bay View, WA, January 26th, **2024.** (Invited presentation) †
- **LaHue G.T.** “Irrigation and soil moisture management in spinach seed crops”. Western Washington Seed Workshop, Mount Vernon, WA, January 12th, **2024.** (Invited Presentation) †§

2023

- **LaHue G.T.** “Developing in-field trials”. Aggregation 2023: A Soil Health Intensive (**Organizer**), Lopez Island, WA, Sept. 7th – 9th, **2023.** †§
- **LaHue G.T.** “Irrigation management impacts on onion bacterial bulb rot”. WSU Onion Field Day, Moses Lake, WA, August 31st, **2023.** (Invited Presentation) †§
- **LaHue G.T., and C. Yost.** “Irrigation scheduling strategies for cider apple orchards”. Cider Apple Field Day (**Organizer**), Mount Vernon, WA, August 30th, **2023.** ††§
- **LaHue G.T., and D.E. Griffin LaHue.** “An introduction to the first Washington State Soil Health Initiative Long-Term Agroecological Research and Extension Site”. SOILCON Field Day (**Organizer**), Mount Vernon, WA, July 27th, **2023.** †§
- **LaHue G.T., Kalcsits L, and C. Yost.** “Irrigation scheduling strategies for cider apple orchards”. Cider Apple Field Day (**Organizer**), Wenatchee, WA, July 26th, **2023.** ††§
- **LaHue G.T.** “Soil health, soil moisture, and irrigation scheduling”. Western Washington Potato Workshop, Mount Vernon, WA, February 24th, **2023.** (Invited Presentation) †§
- **LaHue G.T., and D.E. Griffin LaHue.** “An introduction to soils and soil fertility”. WSU Extension Whatcom County Master Gardeners, Bellingham, WA, February 16th, **2023.** (Invited presentation) †
- **LaHue G.T.** “Soil and water management for crop production in northwestern Washington”. Skagit Ag Summit, Mount Vernon, WA, February 10th, **2023.** (Invited Presentation) †§

- **LaHue G.T.**, and D.E. Griffin LaHue. “An introduction to soil health management and assessment”. Viva Farms (Participants in an NRCS Conservation Innovation Grant), Mount Vernon, WA, January 23rd and 30th, Feb 13th and 27th, **2023**. †§
- **LaHue G.T.**, and D.E. Griffin LaHue. “An introduction to soils and soil fertility”. WSU Extension Skagit County Master Gardeners, Bay View, WA, January 23rd, **2023**. (Invited presentation) †
- **LaHue G.T.** and Varner H. (co-presenters). “Soil moisture management and irrigation scheduling for vegetable seed production”. Western Washington Seed Workshop, Mount Vernon, WA, January 13th, **2023**. (Invited Presentation) ††§

2022

- **LaHue G.T.**, and D.E. Griffin LaHue. “The Washington State Soil Health Initiative and the Mount Vernon LTARE”. WSU NWREC Field Day, Mount Vernon, WA, July 13th, **2022**. †§
- **LaHue G.T.** and Varner H. (co-presenters). “Participatory on-farm irrigation research”. Western Washington Potato Workshop, Mount Vernon, WA, February 25th, **2022**. (Invited Presentation) ††§
- **LaHue G.T.** “Skagit Basin Supply and Demand Analysis: Agriculture Section”. Skagit Ag Summit, Mount Vernon, WA, February 11th, **2022**. (Invited Presentation) †§
- **LaHue G.T.**, and D.E. Griffin LaHue. “An introduction to soils and soil fertility”. WSU Extension Island County, Skagit County, Snohomish County, and Whatcom County Master Gardeners, Online, February 10th, **2022**. (Invited presentation) †
- **LaHue G.T.** and Varner H. (co-presenters), Schultz J., du Toit L., and K. Spawton. “Soil moisture management and irrigation scheduling for spinach seed crops”. Western Washington Seed Workshop, Mount Vernon, WA, January 14th, **2022**. (Invited Presentation) ††§

2021

- Sloan C., **LaHue, G.T.**, Griffin LaHue D.E., Wasko DeVetter L., and C. Benedict. “Quantifying nitrogen supply from soil organic matter for highbush blueberry production”. Western Washington Berry Workshop, Online, March 12th, **2021**. (Invited Presentation) ††§
- **LaHue G.T.** “Farmer-led experimentation on irrigation”. Western Washington Potato Workshop, Online, February 19th, **2021**. †§
- **LaHue G.T.** “The Organic and Sustainable Agriculture major at WSU Everett”. Skagit Ag Summit, Online, January 29th, **2021**. (Invited Presentation) †
- **LaHue G.T.**, Rajagopalan K., Chaudhary S., Singh N., and J. Fleharty. “Skagit Basin Supply and Demand Analysis: Agriculture Team”. Skagit Agricultural Water Advisory Group, Mount Vernon, WA, January 20th, **2021**. (Invited Presentation) †§
- **LaHue G.T.** “Soil moisture management and irrigation scheduling for spinach seed crops”. Western Washington Seed Workshop, Online, January 8th, **2021**. (Invited presentation) †§

2020

- **LaHue G.T.** “Soils, Water, and Pesticide Transport”. Northwestern Washington Research and Extension Center Lunch and Learn, Online, October 14th, **2020**. (Invited presentation) †
- **LaHue G.T.**, and D.E. Griffin LaHue. “An introduction to soils and soil fertility”. WSU Extension Skagit County Master Gardeners, Online, April 21st, **2020**. (Invited presentation) †
- **LaHue G.T.** “Irrigation planning: Are you starting early enough?”. Whatcom County Small Farm Expo, Online, April 15th, **2020**. <https://youtu.be/WeU-Z-y3eu4> (Invited presentation) †§

- **LaHue G.T.** “Valuing nitrogen release from soil organic matter”. Western Washington Berry Workshop, Mount Vernon, WA, March 13th, **2020**. (Invited presentation) †§
- **LaHue G.T.** “Soils & Water Program Research”. Skagit Men’s Garden Club, Mount Vernon, WA, March 5th, **2020**. (Invited presentation) †
- **LaHue G.T.** “Irrigation and soil moisture”. Manure Nutrient Management Training, Lynden, WA, February 20th, **2020**. (Invited presentation) †§
- **LaHue G.T.** “Evaluating an irrigation scheduling tool for spinach seed production”. Western Washington Seed Workshop, Mount Vernon, WA, January 10th, **2020**. (Invited presentation) †§

2019

- **LaHue G.T.**, Griffin LaHue D.E., Benedict C., and K. Hills. “Northwestern Washington Soil Health Initiative Road-Mapping Workshop”. Mount Vernon, WA, December 17th, **2019**. †§
- **LaHue G.T.**, and D.E. Griffin LaHue. “Soil management for growing good fruit”. Snohomish County Fruit Society, Snohomish, WA, September 12th, **2019**. (Invited presentation) †
- **LaHue G.T.**, Griffin LaHue D.E., and D. Stranik. “Soil health on the dairy”. Field day presentation to dairy farmers in Whatcom County in collaboration with Whatcom Conservation District, Lynden, WA, September 5th, **2019**. (Invited presentation) †§
- **LaHue G.T.** “Irrigation and soil moisture”. Class Presented to Cloud Mountain Farm Center’s internship program, Everson, WA, September 4th, **2019**. (Invited presentation) †§
- **LaHue G.T.** “Soil fertility and soil testing”. Class Presented to Cloud Mountain Farm Center’s internship program, Everson, WA, September 4th, **2019**. (Invited presentation) †§
- **LaHue G.T.**, and D.E. Griffin LaHue. “Soils and climate change”. Presented to the community group Transition Fidalgo and Friends, Anacortes, WA, August 27th, **2019**. (Invited presentation) †
- Griffin LaHue D.E., and **G.T. LaHue**. “Soil health management”. Presentation at the WSU NWREC Field Day, Mount Vernon, WA, July 11th, **2019**. (Invited presentation) †
- Griffin LaHue D.E., **LaHue G.T.**, and E. Schuh. “Soil challenges and opportunities in Western Washington”. Soil health workshop for farmers in Snohomish County in collaboration with the Snohomish County Conservation District, Stanwood, WA, June 6th, **2019**. (Invited presentation) †§
- **LaHue G.T.** “Practical soil management”. Presentation to Skagit Valley College’s Orchard Crop Production Course, Mount Vernon, WA, May 22nd, **2019**. (Invited presentation) †
- **LaHue G.T.**, and D.E. Griffin LaHue. “The soils under your feet: Exploring their diversity, formation, and management”. Presented to the Anacortes Science Cafe, Anacortes, WA, May 16th, **2019**. (Invited presentation) †
- **LaHue G.T.** “An introduction to soils”. Presentation to Skagit Valley College’s Row Crop Production Course, Mount Vernon, WA, April 16th, **2019**. (Invited presentation) †

Prior to 2019

- **LaHue G.T.**, and B.A. Linqvist. "Subsurface water losses: Seepage and percolation in California rice fields". Poster presentation at the 2018 Rice Field Day in Biggs, CA, August 30th, **2018**. §
- **LaHue G.T.**, and B.A. Linqvist. "Elucidating the interactions between rice cultivation and groundwater in California". Poster presentation at the 2017 Rice Field Day in Biggs, CA, August 31st, **2017**. §

- **LaHue G.T.**, Adviento-Borbe M.A., van Kessel C., Stogsdill J., and B.A. Linnquist. “Using alternative water management to reduce greenhouse gas emissions and maintain yields in California rice systems.” Poster presentation at the 2014 Rice Field Day in Biggs, CA August 27th, **2014**. §
- **LaHue G.T.**, Anderson K., Linnquist B.A., van Kessel C., and S.J. Fonte. “Do soils at Russell Ranch have a memory? The effect of fertilization history on nitrous oxide emissions.” Poster presentation at the 2014 Russell Ranch Field Day in Davis, CA, May 28th, **2014**.

SERVICE, PROFESSIONAL ACTIVITIES, AND MEMBERSHIP

A. Service to Professional Groups or Associations

- Student Competition Judge, ASA Land Management and Conservation Division (2025)
- Proposal Reviewer, Foundation for Food and Agriculture Research (FFAR) Panel (2025)
- Proposal Reviewer, USDA NIFA Soil Health Panel (2022)
- Student Competition Judge, SSSA Soil Physics and Hydrology Division (2022)
- Student Competition Judge, SSSA Soil Fertility and Plant Nutrition Division (2021)
- Student Competition Judge, SSSA Soil and Water Conservation and Management Division (2020)
- Reviewer (Agriculture, Ecosystems and Environment; Agricultural Water Management; Agricultural and Forest Meteorology; Agronomy; Agronomy Journal; Agronomy for Sustainable Development; Archives of Agronomy and Soil Science; Geoderma; Global Change Biology; International Journal of Fruit Science; Journal of Environmental Quality; Nutrient Cycling in Agroecosystems, Soil Science Society of America Journal, WSU Extension)

B. Service to the Department, College, or University

- Department of Crop and Soil Sciences, Workload Policy Ad-hoc Committee (2025 – Present)
- Faculty Advisor, WSU Everett Horticulture Club (2023 – Present)
- Member, WSU Everett Resident Faculty Organization Executive Committee (2021 – Present)
- Graduate Student Liaison, Northwestern Washington Research and Extension Center (2020 – Present)
- Agricultural and Food Systems Planning and Assessment Committee (2020 – Present)
- Ad-Hoc Reviewer, Center for Sustaining Agriculture and Natural Resources BIOAG Program (2026)
- Moderator, Evaluation Team, and Show Production Team, SOILCON (2023)
- Search Committee, Weed Scientist of Horticultural Crops (2022 – 2023)
- Executive Committee, Department of Crop and Soil Sciences (2020 – 2022)
- Search Committee, Soil Health Initiative WSU Extension Coordinator (2022)
- Evaluation Team, SOILCON: Washington Soil Health Week (2022)
- Ad-Hoc Reviewer, Center for Sustaining Agriculture and Natural Resources BIOAG Program (2022)
- Search Committee, Horticultural Crops Entomologist (2021 – 2022)
- Search Committee, Farmer / Maintenance Mechanic 3 (2021)
- Search Committee, Small Fruit Horticulture Postdoctoral Research Associate (2020)

C. Service to Government or Community Groups

- Volunteer firefighter, Interior and Wildland, Mt. Erie Fire Department, District 11 (2021 – Present)

D. Leadership Roles

- NWREC Faculty Lead for WSU Everett Agricultural and Food Systems Degree (2020 – Present)
- State Representative, WERA-103 Nutrient Management and Water Quality Multi-State Hatch Project (2022 – Present)
- Chair, W-4008 Integrated Onion Pest, Disease and Weed Management Multi-State Hatch Project (2024 – 2025), Vice Chair (2023 – 2024), Secretary (2022 – 2023)
- Organizer of the NWREC Alumni Lunch and Learn Series (2022 – 2023)

E. Professional Development and Outreach for Diversity, Equity, and Inclusion

- Participated in the 12-week “Writing Occurring Rhetorically in the Disciplines (WORD)” program as a 2024 WORD Fellow to improve how I integrate and teach writing in my courses. Spring 2024.
- Co-led educational and recruitment sessions on the agricultural sciences for a “Girls Explore STEM” recruitment event for middle and high school students at the WSU Everett campus. 4 Nov. 2023.
- Participated in the “Culturally Responsive STEM Teaching in Hispanic Serving Institutions” 12-hour professional development mini-course. ESCALA Educational Services. 6 – 10 June 2022.
- Coordinated a meeting between WSU Mount Vernon NWREC Faculty and Dr. Higheagle Strong, Vice Provost for Native American Relations and Programs, to begin constructing a plan to ensure the NWREC is inclusive of all stakeholders. 14 Nov. 2022.
- Co-led educational and recruitment sessions on the agricultural sciences for a “Girls Explore STEM” recruitment event for middle school students at the WSU Everett campus. 30 Apr. 2022.
- Participated in “Implicit Bias Training” for search committee members. 12 Oct. 2021.

F. Professional Society Membership

- American Society of Agronomy (2014 – Present)
- Soil Science Society of America (2014 – Present)
- Crop Science Society of America (2014 – 2018)
- California Irrigation Institute (2017 – 2018)