

Tina Sullivan

EDUCATION

2022 – 2024 PhD of Science in Plant Science Utah State University
GPA: 3.93 Advisor: Dr. Matt Yost
Committee members: Drs. Earl Creech, Burdette Barker, Grant Cardon, Bruce Bugbee

2019 - 2022 Master of Science in Plant Science Utah State University
GPA: 3.95 Advisor: Dr. Matt Yost
Committee members: Drs. Earl Creech, Niel Allen, Jessica Schad

2014 – 2018 Bachelor of Science in Agriculture University of Tennessee – Martin
GPA: 3.90 – Summa Cum Laude
Ag. Engineering Technology Concentration, Precision Agriculture Option, Geography Minor
Advisor: Dr. Sandy Mehlhorn

PROFESSIONAL EXPERIENCE

June 2024 – Present **Assistant Professor/ Northeast Area Agronomist**, Dept. of Eastern
Kansas Research and Extension Centers, Kansas State University, Manhattan, KS

Aug 2019 – June 2024 **Graduate Research Assistant**, Utah State University, Logan, UT

May – Aug 2019 **Agronomy Technician**, Southeastern Farmers CO-OP, Pikeville, TN

May 2018 – May 2019 **Management Trainee**, Tennessee Farmers CO-OP, LaVergne, TN

May – Aug 2017 **Summer Intern**, Tennessee Farmers Cooperative, LaVergne, TN

Aug – December 2016 **Lab Teaching Assistant**, University of Tennessee – Martin

June 2015, 2016 **Summer Counselor**, University of Tennessee – Martin

2009 – Present **Co-Owner**, Sullivan Farms, Dayton, TN

2009 – 2019 **Entry Level Data Analyst**, Eagle PC Consulting, Dayton, TN

CERTIFICATIONS

August 2024 Utah State University Teaching Scholar Certificate

August 2024 Utah State University Explore College Teaching Certificate

March 2023 – Present Certified Crop Advisor (CCA) – Northwestern Region

August 2020 – Present Certified Crop Advisor (CCA) – Tennessee

May 2018 UT Geospatial Information Systems Certification

HONORS & AWARDS

- 2025 Recipient of the “Big 12 Faculty mentorship”
- 2023 Student Spotlight, *Field, Lab, Earth* podcast episode, “Phosphorus Conservation Practice Trade-offs with Drs. Peter Kleinman and Deanna Osmond;
<https://fieldlabearth.libsyn.com/phosphorus-conservation-practice-trade-offs-with-drs-peter-kleinman-and-deanna-osmond>
- ASA, CSSA, and SSSA Annual Meeting, St. Louis, Missouri: 2023 CSSA C9 Crops for Nutrition and Health Poster & Five Minute Rapid Student Competition: 3rd place
- ASA-CSSA-SSSA Peer Review Mentoring Program: Selected participant for Fall 2023
- Western Society of Crop Science A.K. Dobrenz Student Award: 1st place student poster
- Western Society of Crop Science A.K. Dobrenz Student Award: 1st place student oral
- P.E.O. Scholar Award Recipient: One of the 110 women out of 825 nominees selected to receive a \$20,000 P.E.O. Scholar Award for the 2023-2024 academic year.
- CSSA Gerald O. Mott Award: Selected by the department as the Gerald O. Mott Award recipient. This award recognizes outstanding graduate students in Crop Science related fields
- ASA Women’s History Month Spotlight: <https://www.agronomy.org/diversity/womens-history-month/member-spotlights/>
- CSSA Graduate Student Board Representative Nominee
- 2022 CSSA Society-Wide Student Competition (Virtual): Finalist representing the Crops for Nutrition and Health Division
- ASA, CSSA, and SSSA Annual Meeting, Baltimore, Maryland: 2022 CSSA C9 Crops for Nutrition and Health Student Presentation Award Winner, First place
- Bayer Crop Sciences ASA, CSSA, and SSSA Encompass Scholar Program: Selected Fellow for the 2022-2023 year
- USU Rapid Fire Presentation Session - USU Student Association, Logan, Utah; Best graduate student presentation award winner
- 2021 Western Region Hay & Forage Symposium in Reno, Nevada; 1st place student poster
- ASA, CSSA, SSSA Future Leaders in Science Award: 2021 Virtual Congressional Visit participant
- 2020 ASA, CSSA, SSSA Graduate Student Leadership Conference selected participant
- ASA, CSSA, SSSA Annual Meeting, Phoenix, Arizona (virtual), 3rd place poster in Crop Irrigation Strategies and Management Community

Utah State University PSC Department, Devere McAllister Scholarship, \$2,500

2018 Tennessee Annual State TNGIC Conference in Burns, Tennessee, 1st place in student presentation

University of Tennessee – Martin Honors Day Outstanding Agriculture Student Award

University of Tennessee – Martin Outstanding Agricultural Engineering Technology Student Award

University of Tennessee – Martin Outstanding Geographic Information Systems (GIS) Student Award

PEER REVIEWED JOURNAL PUBLICATIONS [June 2025]

1. **Sullivan, T. M.** Yost, D. Boren, E. Creech, B. Bugbee. 2025. Impact of cultivar selection on floral hemp yield and cannabinoid production in the semiarid Intermountain West. *Agrosystems, Geosciences, and Environment Journal* <https://doi.org/10.1002/agg2.70125>
2. **Sullivan, T.,** M. Yost, J. Schad, and M. Murry. 2025. Lessons Learned from the Rise and the Fall of Floral Hemp Production in Utah. *Agrosystems, Geosciences, and Environment Journal*. <https://doi.org/10.1002/agg2.70121>
3. **Sullivan, T.,** M. Yost, D. Boren, E. Creech, G. Cardon, and B. Bugbee. 2025. Response of Floral Hemp Production to Fertilizer Nitrogen and Phosphorus Rates. *Agrosystems, Geosciences, and Environment Journal*
4. **Sullivan, T.,** M. Yost, E. Creech, and B. Bugbee. 2025. Potential of NIRS for Determining Industrial Hemp Cannabinoid Concentrations. *Agrosystems, Geosciences, and Environment Journal* DOI: <https://doi.org/10.1002/agg2.70082>
5. **Sullivan, T.,** M. Yost, D. Boren, E. Creech, B. Barker, and B. Bugbee. 2025. Impacts of Irrigation System, Irrigation Rate, and Cultivar on Hemp Production in the Semi-Arid Intermountain West. *Agrosystems, Geosciences, and Environment Journal* <https://doi.org/10.1002/agg2.70083>
6. **Sullivan, T.** and Lazo A. 2025. Revisiting with connections and expanding networks. *CSA News*, 70 (3). <https://www.sciencesocieties.org/publications/csa-news/2025/march/revisiting-with-connections-and-expanding-networks>
7. Crookston, B., Boren, D., M. Yost, **T. Sullivan**, E. Creech, B. Barker, and C. Reid. (2025). Irrigation technology, irrigation dose, and crop genetic impacts on alfalfa yield and quality. *Agricultural Water Management*, 311, 109366. <https://doi.org/10.1016/j.agwat.2025.109366>
8. Lancaster, S., B. Pedreira, T. Sullivan, L. Simon, L. Haag, D. Joshi, and P. Tomlinson. 2025. Establishing on Farm Demonstration and Research Plots. K State University Fact Sheet MF966. https://bookstore.ksre.ksu.edu/download/establishing-on-farm-demonstration-and-research-plots_MF966
9. Ghimire, O. P., **T. Sullivan**, J. Nepal, P. Joshi, and A. Dash. 2024. Communicating Your Story: Value of Diversifying Science Communications in Research. *CSA News – Career & Education* 2024. <https://doi.org/10.1002/csan.21439> [5 views]

10. Boren, D., **T. Sullivan**, B. Crookston, M. Yost, E. Creech, and G. Cardon. (2024). Alfalfa Phosphorus and Potassium Nutrient Response to Irrigation Technology, Deficit, and Genetics. *Agronomy Journal*. <https://doi.org/10.1002/agj2.21692> [50 views]
11. Wright, H., **T. Sullivan**, de Oliveria, J., and O. P. Ghimire. Job Hunt: Landing Your First Position After Graduate School. CSA News – Career & Education 2024. <https://doi.org/10.1002/csan.21360> [53 views]
12. **Sullivan, T.**; Yost, M.A.; Boren, D.; Creech, E.; Kitchen, B.; Violett, R.; Barker, B. Impacts of Irrigation Technology, Irrigation Rate, and Drought-Tolerant Genetics on Silage Corn Production. *Agronomy* 2023, 13, 1194. [1,940 views] <https://doi.org/10.3390/agronomy13051194>
13. Dakota Boren, Matt Yost, LuRee Johnson, **Tina Sullivan**, Earl Creech, Grant Cardon, Corey Ransom, Randall Violett, Cheyenne Reid, Cody Zesiger, Kalen Taylor, Jacob Hadfield, Michael Pace, and Jody Gale. (2022). Sorghum-sudangrass production guide. Utah State Univ. Ext. Fact Sheet. <https://extension.usu.edu/crops/research/sorghum-sudangrass-production-guide> [894 downloads]
14. Matt Yost, **Tina Sullivan**, Dakota Boren, LuRee Johnson, Melanie Mills, Earl Creech, Boyd Kitchen, and Randall Violett. (2022). Guide to drought tolerance of Utah field crops. Utah State Univ. Ext. Fact Sheet. https://digitalcommons.usu.edu/cgi/viewcontent.cgi?article=3300&context=extension_curation [394 downloads]
15. Yost, M., **T. Sullivan**, N. Allen, B. Kitchen, M. Baker, and E. Creech. (2021). Strategies for partial forage irrigation. Utah State Univ. Ext. Fact Sheet. <https://extension.usu.edu/crops/research/strategies-for-deficit-irrigation-of-forage-crops#:~:text=If%20deficit%20irrigation%20is%20desired,is%20used%20than%20other%20forages.>
16. Yost, M., M. Baker, M. Westmoreland, **T. Sullivan**, B. Bugbee., J. Gale, C. Zesiger, and E. Creech. (2021). Ten frequently asked questions about growing Cannabis. Utah State Univ. Ext. Fact Sheet. <https://extension.usu.edu/crops/research/ten-frequently-asked-questions-about-growing-cannabis>
17. Holt, J., M. Yost, N. Allen, E. Creech, D. Winward, and **T. Sullivan**. (2021). Guide to irrigation application systems for pivots and laterals. Utah State Univ. Ext. Fact Sheet. <https://extension.usu.edu/crops/research/irrigation-pivots-laterals>

EXTENSION & PRESENTATIONS ABBREVIATED [JUNE 2025]

Oral Presentation: 30

Poster Presentation: 20

Extension Programing: 25

Extension Bulletins/ Eupdates: 36

Media Presents: 18

LEADERSHIP & SERVICE

2025 Member, Undergraduate Advisory Committee – Research Symposium
Poster Subcommittee Chair

2025 – 2027: Agronomy Journal Editorial Board, Associate Editor: Organic and Production
Agriculture

2025 – present: CSSA Member, ASC Women in Science Committee

2024 – present: Member, Undergraduate Advisory Committee, CCA Roundtable Subcommittee
Chair

2024 – present: Member, Undergraduate Advisory Committee, Crop Science Contest
subcommittee

2024 – present: Graduate student representative, Science Policy Committee

2024 – present: Member, ASC449.12 Graduate School Workshop Committee

2024 – present: Member, A466 Greenfield Scholars Selection Committee

2024 – present: Graduate Student Board Representative, CSSA Board of Directors

2023 – 2024: PSC representative, Utah State University Ecology Center Seminar Committee

2023 – 2024: Graduate Student Graduate Studies Director, USU Graduate Student Council

2023 – 2024: Vice President, Utah State University TerraSociety

2023 – present: Member, ACS449.11 National Club Poster Presentation Contest Committee

2023 – present: Member, ACS238 Grad Student Committee

2023 – present: Member, ACS238 Grad Student Committee, Leadership Conference
Subcommittee

2023 – present: Member, ACS238 Grad Student Committee, Graduate Webinar Subcommittee

2022 – present: Member, AC424 Collegiate Crops Contest Committee

2022 – present: Member, ACS449.3 Student Speech Contest Committee

2022 – 2023: Graduate Student Liaison, USU ETE Committee - Explore Subcommittee

2022 – 2023: College of Agriculture and Applied Sciences Rep, USU Graduate Student Council

2022 – 2023: President, Utah State University TerraSociety

2021 – 2022: Vice President, Utah State University TerraSociety

2020 – 2021: College of Agriculture and Applied Sciences Rep, USU Graduate Student Council

2019 – 2020: International Technical Writing Specialist, USU Chapter Engineers Without Borders

2017 – 2018: Secretary, University of Tennessee Martin Collegiate FFA

2017 – 2018: Vice President, ASABE Skyhawk Quarter Scale Tractor Team

2016 – 2017: Reporter, University of Tennessee Martin Collegiate FFA

2015 – 2016: Fundraising Committee Chair, University of Tennessee Martin Collegiate FFA

2014 – 2017: Secretary, ASABE Skyhawk Quarter Scale Tractor Team

ASSOCIATIONS & MEMBERSHIPS

Gamma Sigma Delta – Kansas State University Chapter, 2024 – Present

American Society of Agronomy, 2019-present

Crop Science Society of America, 2019-present

Soil Science Society of America, 2019 -present

Bledsoe County Alumni FFA, 2014 – present

American Society of Agriculture and Biological Engineers (ASABE), 2014 – present

International Society of Precision Agriculture, 2020 – 2021; 2024 – 2026

TNGIC (Tennessee Geospatial Information Council), 2018 – 2019

UT Martin Chapter Phi Eta Sigma Honors Society, 2015 – 2018

Tennessee Farm Bureau Young Farmers and Ranchers, 2014 – 2018