

Jason G. Warren

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Mission Statement:

Provide scientifically sound information to stakeholders to allow them to achieve their natural resource conservation goals. A major part of this effort focuses on building strong relationships with conservation agencies, students, producers, crop consultants and other extension faculty and staff. This allows for a more holistic effort that does not simply focus on the need to conserve our soil and water resources but on how we can achieve this goal through the advancement of viable best management strategies and incentives.

Education:

Ph.D., Virginia Tech, Blacksburg, VA Dissertation Co-Chairs: Steve Phillips and Greg Mullins Major Field: Soil Science	2005
M.S., Oklahoma State University, Stillwater, OK Thesis Chair: Jeff Hattey Major Field: Soil Sciences	2001
B.S., Oklahoma State University, Stillwater, OK Major Advisor: Jeff Hattey Major Field: Environmental Sciences	1999

Professional Experience:

Oklahoma State University, Stillwater, OK

Soil and Water Conservation Extension Specialist (85% Extension/15% Research)

Professor	2020-Present
P.E. Harrill Distinguished Professor,	2017-Present
Co-Coordinator of the Oklahoma SARE PDP	2011-Present
Associate Professor	2014-2020
Assistant Professor	2008-2014

USDA-ARS Animal Waste Management Research Unit, Bowling Green, KY

Post Doctorial Research Assistant	2006-2008
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Virginia Tech, Eastern Shore Agricultural Research and Extension Center, Painter, VA

Senior Research Specialist	2003-2006
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Summary of Professional Activities:

	Total
Grantsmanship	
Extension Proposals Submitted	46
Research Proposal Submitted	62
Extension Proposals Funded	31
Research Proposals Funded	28
Total Grants Requested (PI/Co-PI)	\$196,880,770
Total Grants Received (PI/Co-PI)	\$53,973,732
Total Grants Received (PI)	\$1,925,141
Publications and Products	
Extension Factsheets/Reports	45
Refereed Journal Articles	49
Refereed Journal Articles in Press or Review	1
Proceedings	17
Abstracts	89
Leadership and Service	
Programs Organized/Supported though SARE	102
Conferences and Field Days Organized	59
Extension and Training	
Out of State Invited Conference Presentations	27
Extension Presentations	165
Workshops/Training Presentations	49
Extension Field Day Presentations	60
Multi-media Presentations	37
Graduate Student Training and Teaching	
Graduate Student Degrees Conferred:	
As Committee Chair	11
As Member of Committee	47
Courses Taught	2
Student Organizations Advised	1

Professional Awards:

1. USDA-NIFA 2022 Partnership Award for Multistate Efforts as a member of the Ogallala Water Coordinated Agriculture Project Leadership team.
2. 3rd place Long Publications for “Great Plains Canola Production Handbook” – ASA Extension Education Community, 2019.
3. 2019 REE Under Secretary's Award as a member of the Great Plains Grazing Coordinated Agriculture Project.
4. USDA-NIFA 2019 Partnership Award for Multistate Efforts as a member of the Great Plains Grazing Coordinated Agriculture Project.
5. OCES Outstanding Team Award for the outstanding educational program “Oklahoma Irrigation energy and water audit” 2018.
6. Honorary State FFA Degree of the Oklahoma FFA Association, 2016
7. 2015-2017 Thomas E. Berry Faculty Fellow, presented by the Oklahoma Water Resources Center
8. 2013 Outstanding State Specialist Award, presented by the Oklahoma Association of Extension Agriculture Agents
9. 2012 Soil Science Society of America Early Career Professional Award
10. USDA-NIFA 2011 Partnership Award as a member of the Oklahoma State University Biobased Products and Energy Center
11. American Society of Agronomy 2011 Certificate of Excellence in the category of Publications, >16 pages for the *Oklahoma Forage and Pasture Fertility Guide*
12. 2011 Agronomy Journal (AJ) Outstanding Associate Editor
13. 2010 Soil Science Society of America Division S6 Young Scholar Award
14. American Society of Agronomy 2010 Certificate of Excellence in the category of newsletters for *The Plant and Soil Sciences Extension Newsletter*
15. American Society of Agronomy 2010 Certificate of Excellence in the category of Publications, >16 pages for the *Switchgrass Production Guide for Oklahoma*
16. Certificate of Appreciation for Outstanding and Dedicated Service. presented by the Association of Virginia Potato and Vegetable Growers, Inc, 2004

GRANTSMENSHIP

Funded Extension Grant Proposals (\$7,523,338):

1. **Warren, J.,** T. Gipson. 2022. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$55,555. Funded
2. **Warren, J.** 2022. Optimizing on farm pivot irrigation in SW Oklahoma. Submitted to the Oklahoma State Cotton Incorporated Support Program for \$12,500. Funded.
3. **Warren, J.** 2021. Irrigation scheduling in the Oklahoma Panhandle and Pivot irrigation strategies for SW. Submitted to the Oklahoma State Cotton Incorporated Support Program for \$12,500. Funded.
4. **Warren, J.,** T. Gipson. 2021. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$55,555. Funded
5. **Warren, J.** 2020. Irrigation scheduling in the Oklahoma Panhandle. Submitted to the Oklahoma State Cotton Incorporated Support Program for \$12,500. Funded.
6. **Warren, J.,** T. Gipson. 2020. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$55,555. Funded
7. Taghvaeian, S., L. Ritchie, **J. Warren,** D. Gholson, J. Krutz, M. Yost, N. Allen, K. Bali, D. Zaccaria. 2019. Innovative technologies for water conservation in flood irrigation systems. Submitted to the NRCS-CIG program for \$860,714. Funded.
8. Rudnick, D., M. Stockton, C. Burr, T.H. Lo, C. Ray, **J. Warren,** S. Taghvaeian, B. Arnall, J. Schneekloth, A. Kreman, J. Aguilar, 2019. Accelerating adoption of water conservation technologies and management practice through innovative engagement programing. Submitted to the NRCS-CIG program for \$850,000. Funded.
9. **Warren, J.,** S. Byrd, S. Taghvaeian, D.B. Arnall and S. Sharma. 2019. Capacity limited irrigation scheduling in the Oklahoma Panhandle. Submitted to the Oklahoma State Cotton Incorporated Support Program for \$12,000. Funded.
10. **Warren, J.,** T. Gipson. 2019. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$55,555. Funded
11. **Warren, J.,** T. Gipson. 2018. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$55,555. Funded
12. Lofton, J., **J. Warren,** D.B. Arnall, H. Zhang, J.M. Riley, and R. Jones. 2018. Finding the commonalities among successful soil health innovators and demonstrating practices for increased adoption. Submitted to USDA-NRCS CIG for \$261,309. Funded.
13. **Warren, J.,** S. Byrd, S. Taghvaeian, D.B. Arnall and S. Sharma. 2018. Capacity limited irrigation scheduling in the Oklahoma Panhandle. Submitted to the Oklahoma State Cotton Incorporated Support Program for \$10,000. Funded.

14. **Warren, J.**, T. Gipson. 2017. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$55,555. Funded
15. **Warren, J.**, T. Gipson. 2016. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$55,555. Funded
16. Taghvaeian, S., T. Ochsner, D. Rogers, C.C. Hillyer, J.P. Bordovsky, T. Marek, **J. Warren**, R. Boman, R. Taylor, D. Porter, S. Frazier, and J. Aguilar. 2015. Promoting Sensor-based Technology to Improve Land and Water Resources Conservation. Submitted to NRCS-CIG for \$772,029. Funded.
17. **Warren, J.**, B. Arnall, H. Zhang, R. Taylor, J. Edwards, A. Post. S. Taghvaeian, J. Damicone, R. Hunger, T Royer, P. Delaune, R. Neeley, S. Hansen, and S. Swaffar. 2014. On Farm Soil Health Management Systems Demonstration program for the Southern Plains. Submitted to NRCS-CIG for \$872,136. Funded.
18. **Warren, J.**, T. Gipson. 2014. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$42,222. Funded
19. **Warren, J.**, T. Gipson. 2013. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$42,000. Funded
20. **Warren, J.**, T. Gipson. 2012. Oklahoma Sustainable Agriculture Research and Education Model State Program Professional Development Program and Program Assistant. Submitted to SSARE-UGA for \$40,000. Funded
21. Edwards, J., C. Godsey, **J. Warren**, T. Ochsner, and R. Kochenower. 2012. Systems-based cropping 2.0: leveraging soil health demonstrations through web-based tools. Submitted to NRCS-CIG for \$300,690. Funded.
22. **Warren, J.G.**, T. Wilson, C. Godsey, and J. Edwards. 2012. Optimizing nitrogen recovery from leguminous cover crops in no-till wheat rotations. Submitted to the Oklahoma NRCS-CIG for \$74,999. Funded.
23. LeHew, M.L.A., Armstrong, C.M., Hiller Connell, K.Y., Anderson, B.G., & Hustvedt, G. (2012-2015). Making climate change a functioning thread in the baccalaureate curriculum: Transforming fiber, textiles, and clothing education. Funded by the U. S. Department of Agriculture, Higher Education Challenge Grant Program. Role: Co-PD. \$713,847. **(Served as Consultant)**
24. Phillips, S., S. Hanson, G. Kloxin, **J. Warren**, C. Godsey, and B. Arnall. 2011. North Canadian river watershed ecosystems services special project submitted to the USEPA for \$1,500,000. Partially funded for \$1,390,955.
25. Godsey, C, **J. Warren**, and R. Taylor. 2011. Evaluating variable soybean seeding rates. Submitted to the Oklahoma Soybean Board for \$7,000. Funded.
26. Bitan, E., R. Anderson, R. Bayon, J. Daukas, N. Martin, K. Scalon, W. Salas, S. Hansen, **J. Warren**, and B. Arnall. 2011. Bringing greenhouse gas benefits to market: nutrient

management for nitrous oxide reductions. Submitted to USDA- CIG Greenhouse gas Program for \$400,000. Funded.

27. Shober, A.L., C. Penn, A. Sharpley, and **J. Warren**. 2010. Low cost stormwater treatment structures demonstration and education. Submitted to the Southern Region Water Resource Project for \$42,516. Funded.
28. Hansen, S., **J. Warren**, S. Pope, S. Glasgow, J. Mustain, and G. Geissler. 2010. Developing high quality carbon offset verification protocols and quantifying water quality improvements of best management practices to ensure the environmental benefits of agricultural carbon offsets. Submitted to USDA-CIG for \$303,592. Funded.
29. Godsey, C., J. Damicone, J. Armstrong, **J. Warren**, B. Arnall, H. Zhang, and R. Taylor. 2010. Partners in Research-Precision Ag Demonstration Fields. Submitted the Oklahoma Soybean Board for \$19,300. Funded.
30. Godsey, C., **J. Warren**, R. Taylor, J. Damicone, B. Woods, J. Edwards. Partners in Research 2009. Submitted to Oklahoma Soybean Board for \$7250. Funded.
31. Payne, J., C. Penn, and **J.G. Warren**. Poultry litter storage for increasing nutrient density and decreasing overall mass while maintaining nitrogen. Submitted to the Division of Agriculture Sciences and Natural Resources for \$6,850. Funded.

Funded Research Grant Proposals (\$46,450,394):

1. Lewis, K., et al. 2021. Sustainable Intensification and enhancement through the utilization of regenerative agriculture management practices. Submitted to USDA-NIFA for \$9,999,947. Award # 2021-68012-35897funded
2. Sharma, S., **J.G. Warren**, S. Byrd, L. Lambert, and J. Aguilar. 2021. Investigating long term economic and environmental viability of cotton production in the High Plains. Submitted to USDA-NIFA Foundational Knowledge of Ag Production Systems for \$749,076. Funded.
3. **Warren, J.G.**, A. Jilling. 2021. Baseline soil sample collection for rainmaker farm. Submitted to the Gulch foundation for \$21,375. Funded.
4. **Warren, J.G.**, P. Tomlinson, and S. Sharma. 2020. Impact of a Plains production system on sustainable production of grain sorghum. Submitted to the USDA-ARS NACA for \$135,000. Funded.
5. Kakani, G., N. Rajan, P. Tomlinson, **J. Warren**, S. Taghvaeian, P. Weckler, N. Wang, E.A. Santos, and R. Schnell. 2020. Establishing validation sites for field-level emissions quantification from grain sorghum in Southern Great Plains. Submitted to US DOE ARPA-E for \$3,608,527. Funded at \$3,100,000.
6. **Warren, J.G.**, P. Tomlinson, and S. Sharma. 2019. Impact of a Plains production system on sustainable production of grain sorghum. Submitted to the USDA-ARS NACA for \$135,000. Funded.
7. Rice, C., P.H. Prasanna, T.E. Ochsner, **J. Warren**, B. Arnall, A. Rocateli, R.C. Izaurralde, V. Bandaru, C.D. Jones, V.Prasad, I. Ciampitti, M. Sanders, A. Patrignani, and M. Manuchehri. 2018. Increasing Water Productivity, Nutrient Use Efficiency, and Soil

- Health in Rainfed Food Systems of Semi-Arid Southern Great Plains. Submitted to USDA-NIFA for \$9,996,808. Funded.
8. Tomlinson, P., **J.G. Warren** and S. Sharma. 2018. Project Brief: Nitrous oxide emissions from sorghum cropping systems in the Great Plains – 2018 Preliminary Study. Submitted to the Collaborative Sorghum Investment Program for \$9,193. Funded.
 9. **Warren**, J.G., P. Tomlinson, and S. Sharma. 2018. Impact of a Plains production system on sustainable production of grain sorghum. Submitted to the USDA-ARS NACA for \$185,000. Funded.
 10. Lofton, J. B. Arnall, K. Giles, J. Damicone, M. Manuchehri, C. Jones, and **J.G. Warren**. 2018. Evaluating production practices and input management optimizing winter canola production in the southern plains. Submitted to USDA-NIFA-SACC for \$187,381. Funded.
 11. Lofton, J., B. Arnall, K. Giles, J. Damicone, M. Manuchehri, C. Jones, and **J.G. Warren**. 2016. A systems based approach to building acres and improving production of winter canola in the southern Great Plains- Evaluating planting practices and soil health parameters associated with canola production in Texas and Oklahoma. Submitted to USDA-NIFA for \$209,352. Funded.
 12. Post, A., J. Bushong, B. Arnall, **J. Warren**, C. Jones, K. Giles, T. Royer, J. Damicone, R. Kochenower, P. Delaune, C. Neely. 2015. Expanding Acres and Improving Winter Canola Production in the Southern Great Plains: A Systems Approach from Planting to Post Harvest Submitted to USDA-NIFA for \$200,000. Funded.
 13. Schipanski, M., **J. Warren**, et al. 2016. Sustaining Agriculture through Adaptive Management Resilient to a Declining Ogallala Aquifer and Changing Climate. Submitted to AFRI Coordinated Agricultural Project Program for \$9,900,000. Funded.
 14. **Warren, J.G.**, A. Stoecker, J. Campiche, and R. Jones. 2014. Optimizing the economic value of water from the Ogallala aquifer used for irrigation. Submitted to the OWRRI for \$50,000. Funded.
 15. Post, A., J. Bushong, B. Arnall, **J. Warren**, C. Jones, K. Giles, T. Royer, J. Damicone, R. Kochenower, P. Delaune, C. Neely. 2014. Expanding Acres and Improving Winter Canola Production in the Southern Great Plains: A Systems Approach from Planting to Post Harvest. Submitted to USDA-NIFA for \$209,451. Funded.
 16. **Warren, J.G.**, R. Kochenower, J. Campiche, R. Jones, and A. Stoecker. 2013. Comparison of Grain Sorghum and Corn Productivity under Limited Irrigation with Subsurface Drip. Submitted to OWRRI for \$50,000. Funded.
 17. **Warren, J.G.**, R. Kochenower, and N. Kenny. 2012. Comparison of Grain Sorghum and Corn Productivity under Limited Irrigation with Subsurface Drip. Submitted to OWRRI for \$50,000. Funded.
 18. Auld, D., S. Angadi, C. Trostle, **J. Warren**. 2012. Development of Safflower as a New Biomass Energy Crop for the Lower Great Plains. Submitted to the South Central Sun Grant Program for \$32,000. Funded.

19. Penn, C., **J.G. Warren**, and H. Zhang. 2011. Investigating the potential agronomic and environmental impact of land applications of oil and water based drilling mud for forage crops. Submitted to J&L Oil Field Services for \$74,272. Funded
20. **Warren, J.G.**, B. Carter, C. Godsey, C.J. Penn, and H. Zhang. 2009. Assessment of Soil Organic Carbon Sequestration Potential for Western Oklahoma. Submitted to Western Farmers Electric Cooperative for \$20,000. Funded.
21. Huhnke, R., J. Guretzky, G. Kakani, T. Ochsner, **J. Warren**, C. Jones, F. Epplin, J. Biermacher, J. Mosali, J. Blanton. And K. Kenney. 2009. Sustainable feedstock supply systems to support cellulosic biorefinery industries. Submitted to the USDA for \$6,250,000. Partially funded for \$4,212,845.
22. Hattey, J.A., S.D. Carter, S. Deng, M.A. Kizer, A.L. Stoecker, and **J.G. Warren**. 2009. Animal Waste Management in Semiarid Ecosystems Submitted to the USDA for \$256,464. Funded.
23. **Warren, J.G.** 2009. Evaluation of leaching potential of Nfusion in combination with Urea Ammonium Nitrate in soils of three textural classes. Submitted to Georgia-Pacific for \$9,024. Funded.
24. Kakani, G., K. Desta, S. Deng, D. Murray, T Peeper, **J. Warren**, Y. Wu, and H. Zhang. 2009. Developing a Sustainable Bioenergy Feedstock Production System in Oklahoma. Submitted to Oklahoma Bioenergy Center for \$931,954. Partially funded for \$250,000.
25. **Warren, J.G.**, B. Carter, C. Godsey, C.J. Penn, and H. Zhang. 2008. Assessment of Soil Organic Carbon Sequestration Potential for Central Oklahoma. Submitted to Western Farmers Electric Cooperative for \$20,000. Funded.
26. Godsey, C., J. Edwards, and **J. Warren**. 2008. C sequestration in soil profile for no-till in Oklahoma. Submitted to the Oklahoma Conservation Commission for \$25,000. Funded.
27. Mullins, G.L., L.W. Zelazny, **J.G. Warren**, and C.J. Penn. 2002. Effect of feeding phytase and HAP corn on the potential for phosphorus losses in surface runoff from Virginia soils amended with turkey manure. Submitted to U.S. Poultry and Egg Association \$23,176. Funded.
28. Phillips, S.B., and **J.G. Warren**. 2002. Impacts of alum-amended broiler litter on corn production. Submitted to the Maryland Grain Producers Utilization Board for \$5,000. Funded.

Unfunded Extension Grant Proposals (\$9,943,918):

1. Hagerman, A., T. Milacek, **J. Warren**, J.J. Jones, J. Lofton, and S. Clawson. 2022. Risk Management Education on Rainfall Insurance and Extreme Weather Event Preparedness. Submitted to USDA-RMA for \$94,570. Not selected for funding.
2. Byrd, S., S. Sharma, **J. Warren**, and S. Taghvaeian. 2020. Advancing irrigated cotton success in the central high plains. Submitted to the NIFA-CARE program for \$295,425. Not selected for funding.
3. Arnall, D.B., J. Lofton, M. Manuchehri, D. Marburger, J.M. Riley, **J. Warren**, and H. Zhang. 2018. Improving sustainability of agriculture in the southern Great Plains through

- implementation of soil health management systems. Submitted to USDA-NRCS CIG program for \$453,538. Not selected for funding.
4. Arnall, D.B., R. Jones, J. Lofton, M. Manuchehri, D. Marburger, and **J.G. Warren**. 2017. Use of Cereal Rye as a Cover Crop in Agro-Ecosystem Dominated by Cereal Cash Crop. Submitted to NIFA Critical Agriculture Research and Extension Program for \$200,000. Not selected for funding.
 5. **Warren, J.**, P. Alderman, S. Taghvaeian, and C. Godsey. 2017. Advancing Irrigation Management through demonstration of integrated technologies. Submitted to the NRCS-CIG for \$566,539. Not selected for funding.
 6. Arnall, B., M.J. Abit, J. Lofton, D. Marburger, J.M. Riley, **J. Warren**, and H. Zhang. 2017. Improving soil health management adoption success through applications of site specific management. Submitted to the NRCS-CIG for \$642,996. Not selected for funding.
 7. Arnall, B., **J. Warren**, D.R.C. Suarez, P Delaune, and R. Jones. 2014. Environmental and production impacts of 4R management in the southern plains winter wheat belt. Submitted to the NRCS-CIG for \$ 547,609. Not selected for funding.
 8. Arnall, B., **J. Warren**, H. Zhang, W. Raun, R. Taylor. 2013. Integration and adoption of the 4R's through a suite of Nitrogen management tools. Submitted to NRCS-CIG 929,912. Not selected for funding.
 9. Boman, R., **J. Warren**, S. Osborne, and B. Arnall. 2012. Cover crop and subsurface drip irrigation system demonstration program in Southwestern Oklahoma. Submitted to the NRCS-CIG for \$260,827. Not selected for funding.
 10. Horn, G., P. Lancaster, S. Lancaster, T. Ochsner, B. Arnall, and **J. Warren**. 2011. Increasing sustainability and profitability of beef production using sensor technology and supplemental feed to improve nitrogen use efficiency of grazing systems. Pre-proposal submitted to Southern SARE Research and Education Program for \$260,174. Not selected for funding. .
 11. Lancaster, P., G. Horn, **J. Warren**, B. Arnall, T. Ochsner, and S. Lancaster. 2011. Demonstrating the use of sensor technology and diet modification to reduce greenhouse gas emission and improve nitrogen use efficiency of grazing livestock systems. Submitted to the USDA-CIG for \$259,987 Not selected for funding.
 12. **Warren, J.**, T. Ochsner, and R. Kochenower. 2011. Comparison of grain sorghum and corn yields under limited irrigation with subsurface drip. Submitted to the United Sorghum Checkoff Program for \$15,142. Not selected for funding.
 13. Huhnke, D. Bellmer, K.Patil, C. Jones, S. Frazier, G. Kakani, T. Ochsner, P. Kenkel, R. Holcomb, S. Ferrel, B. Westerman, R. Whiteley, **J. Warren**, J. Blanton, J. Guretzky, J. Mosali. 2009. Establishing Pilot Plants to Demonstrate Decentralized Bioenergy Production Systems. Submitted to the USDA-SEP for \$4,492,141. Not selected for funding.
 14. **Warren, J.G.**, T. Ochsner, B. Arnall, C. Penn, R. Taylor, and A. Sutherland. 2009. Gaseous N Losses from Nitrogen fertilizer Management for No-till Winter Wheat in the Southern Plains. Submitted to USDA-AFRI for \$599,853. Not selected for funding.

15. Shober, A.L., C. Penn, **J. Warren**, A. Sharpley, G. Toor, and M. Clark. 2009. Low Cost Stormwater Treatment Structures Demonstration and Education. Submitted to the Southern Region Water Resource Project for \$14,890. Not selected for funding.

Unfunded Research Grant Proposals (\$132,963,120)

1. **Warren, J.** et al. 2022. Testing agricultural performance solutions to advance climate smart crop production in the U.S. Great Plains. Submitted to USDA-NIFA for \$10,000,000. Not selected for funding.
2. Rocateli, A.C., **J. Warren**, S. Taghvaeian, R. Lollato, and J. Krishna. 2022. Exploring opportunities for developing alfalfa-based protein banks in limited irrigation production systems in the Ogallala aquifer region. Submitted to USDA-NIFA for \$880,428. Not selected for funding.
3. Ramanathan, R., et al. 2021. Enhancing the efficiencies and robustness of beef production systems. Submitted to USDA-NIFA for \$10,000,000. Not selected for funding.
4. Schoengold, K., E. Haacker, C. Ray, D. Rudnick, B. Krienke, T. Mieno, C. Neale, M. Schipanksi, R. Waskom, D. Mannining, R. Bailey, S. Smidt, V. Sharda, M. Sanders, S. Zipper, H. Sieverding, K. Wagner, and **J. Warren**. 2019. Agriculture risk, variability, incentives for sustainability in the Great Plains. Submitted to USDA-NIFA Sustainable Agriculture Systems program for \$9,957,410. Not selected for funding.
5. Sharma, S., S. Byrd, L. Lambert, and **J. Warren**. 2020. Investigating long term economic and environmental viability of cotton production in the high plains. Submitted to USDA-NIFA Foundation program for \$499,925. Not selected for funding.
6. Hoff, W.D., A. Doust, J. Gustafson, G. Wilson, N. Youssef, D. Spencer, U. DeSilva, D.M. Lambert, S. Stoodley, and **J.G. Warren**. 2019. NRT-URoL: Novel graduate training in the microbiomics of ecosystem services at the FEW nexus. Submitted to NSF for \$3,000,000. Not Selected for funding.
7. Ochsner, T.E, and **J.G. Warren**. 2018. Collaborative Proposal: From Degradation to restoration: Soil at the center of food-energy-water system sustainability in China and the U.S. Submitted to NSF for \$253,008. Not selected for funding.
8. Lampert, D., M. Krzmarzick, S Taghvaeian, **J. Warren**, and K. Wagner. 2018. Integration of Municipal Wastewater and Agricultural Systems to Optimize Efficiency submitted to the Foundation for Food and Agriculture for \$378,343. Not selected for funding.
9. Ochsner, T., **J.G. Warren**, D.B. Arnall, A. Rocateli, J. Lofton, E. Devuyt, C. Rice, P. Gowda, I. Ciampitti, and C. Izaurralde. 2017. Systems Approaches to Increase Water Productivity in Rainfed Food Systems of the Southern Great Plains. Submitted to USDA-NIFA Coordinated Ag Project Program for \$5,200,000. Not selected for funding.
10. Mockler, T., R. Amachawadi, S. Bean, I. Ciampitti, J. Drouillard, B. Golden, B. Guerrero, C. Hayes, T. Herald, K. Jagadish, J.S. Jennings, T.McCollum, T.G. Nagaraja, R. Perumal, D. Rhodes, K. Roozeboom, M. Sanderson, S. Sexton-Bowser, N. Shakoar, C. Stark, T. Tesso, J. Waggoner, **J. Warren**, and J. Wilson. 2017. System-level integration of economic, policy, and sorghum breeding approaches to conserve the Ogallala aquifer, a critical U.S. agricultural water source. Submitted to USDA-NIFA Coordinated Ag Project Program for \$5,200,000. Not selected for funding.

11. Oeshner, T., C. Jones, R.C. Izaurralde, and **J.G. Warren**. Et al. 2017. From Degradation to Restoration: Soil at the Center of Food-Energy-Water Systems Sustainability in China and the US. Submitted to NSF/NSFC Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS: U.S.-China) for \$253,008. Not selected for funding.
12. Vogel, J.R., S. Deng, D. Lampert, K.E. Murray, J. Reedy, C.R. Cisar, R.S. Frazier, C.L. Jones, S.J. Kim, R. Melstrom, T. Otanicar, S. Taghvaeian, **J.G. Warren**, and H. Zhang. 2017. INFEWS/T3: Nexus of Food, Energy, and Water Systems for Produced Water Reuse. Submitted to NSF for \$2,499,999. Not selected for funding.
13. **Warren, J.**, D. Lampert, S. Frazier, A. Stoecker, T. Beedy, and G. Kakani. 2017. Replacing corn with grain sorghum for starch based ethanol in the Southern High Plains. Submitted to the South Central Sun Grant Program funded by USDA-NIFA for \$163,974. Not selected for funding.
14. Fox, G., et al. 2016. RII Track-2 FEC: Nexus of Food, Energy, and Water Systems for Produced and Treated Effluent Water Reuse and Recharge Submitted to NSF-EPSCOR for \$5,983,230. Not selected for funding.
15. Lacewell, R., J. Steiner, **J. Warren**, and P. Tomlinson. 2015. Resilient Southern Plains Agriculture and Forestry in a Changing Climate. Submitted to USDA-NIFA-AFRI for \$49,723. Not selected for funding.
16. Blanco, H., R. Drijber, T.M. Shaver, C. Wortmann, G.W. Hergert, J. MacDonald, V. Jin, B. Anderson, D.R. Presley, **J. Warren**, C. Shapiro, R. Ferguson, R. E.more, P. Jasa, A. Stalker, M. Schmer, J. Holman, D. Clay. 2014. Managing Cover/Forage Crops and Crop Residues for Enhancing Soil Ecosystem Services Across a Precipitation and Evapotranspiration Gradient in the Central Great Plains. Submitted to AFRI Foundational Program for \$500,000. Not selected for funding.
17. **Warren, J.G.**, R. Kochenower and R. Jones. 2013. Comparing Sorghum and Corn Performance under Limited irrigation in the Southern High Plains. Submitted to the United Sorghum Checkoff for \$30,500. Not selected for funding.
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- Wilkins, Y. Wu, and H. Zhang. 2011. Sustainable rural cooperative cellulosic biorefineries. Submitted to USDA-BRDI for \$8,750,000. Not selected for funding.
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PUBLICATIONS

Extension Factsheets and Reports:

†Post Docs under my direct supervision, §Graduate students under my direct supervision, ¶Graduate students for which I serve as an advisory committee member.

1. **Warren, J.** 2022. Soil and soil productivity. p. 1-9. In D.B. Arnall (ed.) Oklahoma Soil Fertility Handbook. E-1039 Okla. Coop. Ext Serv. Okla. State Univ. Stillwater OK.
2. **Warren, J.**, S. Sharma, and J. Lofton. 2021. Understanding grain sorghum irrigation requirements in Oklahoma. PSS-2410. Oklahoma State University, Stillwater, OK.
3. Gehl, K.A., L. Haag, **J. Warren**, S. Sharma, and P.J. Tomlinson, 2020. Dryland sorghum nitrogen management implications for utilization as ethanol feedstock. Kansas Agricultural Experiment Station Research Reports Vol 6 Issue 5 Article 10. Kansas State University, Manhattan, KS.
4. Rocateli, A., and **J. Warren**, 2020. Producing grazeable cover crops during summer fallow in winter wheat. PSS-2192. Oklahoma State University, Stillwater, OK.
5. Sharma†, S. J. **Warren, J.** Lofton, W. Henry, and C. Murley. 2019. Optimum planting depth for uniform germination and emergence of corn. PSS-2192. Oklahoma State University, Stillwater, OK.
6. **Warren, J.**, S. Byrd, and S. Taghvaeian. 2019. Understanding cotton irrigation requirements in Oklahoma. PSS-2409. Oklahoma State University, Stillwater, OK.
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17. Edwards, J., F. Epplin, B. Hunger, A. Post, T. Royer, R. Taylor, **J. Warren,** H. Zhang. 2015. No-till Wheat Production in Oklahoma. PSS-2132. Oklahoma State University, Stillwater, OK.
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Refereed Journal Publications In preparation:

1. Koushki¶, R., J. Warren, and M.J. Krzmarzick. 2023. Carbon footprint of agricultural groundwater pumping with energy demand and supply management analysis. Submitted to Irrigation Science. 16 Dec. 2022, in review.

†Post Docs under my direct supervision, §Graduate students under my direct supervision, ¶Graduate students for which I serve as an advisory committee member.

Refereed Journal Publications:

1. Garcia§, G., C. Garcia§, G. Ogden§, and J.G. Warren. 2022. Sample processing impacts on single wet sieve aggregate stability analysis. *Agricultural & Environmental Letters*, 7, e20094. doi:10.1002/ael2.20094
2. Handa¶, D., B. Masasi, S. Frazier, S. Taghvaeian, J. Warren, and D.N. Moriasi. 2022. Evaluating uniformity of center pivot irrigation in western Oklahoma. *Applied Engineering in Agriculture*. 38(2) 313-319 doi: 10.13031/aea.14626
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6. Rudnick, D.R., M. Stockton, S. Taghvaeian, **J. Warren**, M.D. Dukes, A. Kremen, C.G. Henry, J. Aguilar, B. Ortiz, A. Andales, C.A. Burr, X. Qiao, W. Liang, S. Walthour, and S.H. Amosson. 2020. Innovative extension methods in the USA to promote Irrigation water management. *Transactions of the ASAE*. <https://doi.org/10.13031/trans.13929>
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12. Masasi¶, B., S. Taghvaeian, P.H. Gowda, **J. Warren**, and G. Marek. 2019. Simulating soil water content, evapotranspiration, and yield of variable irrigated grain sorghum using aquacrop. *J. of the American Water Resources Association*. 1–18. doi:10.1111/1752-1688.12757.
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absence of termites (Isoptera: Rhinotermitidae). *Am. Midl. Nat.* 176(1):60-71.
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39. Rothrock Jr., M.J., K.L. Cook, **J.G. Warren**, and K.R. Sistani. 2008. The effect of alum addition on microbial communities in poultry litter. *Poultry Sci.* 87:1493-1503. doi:10.3382/ps.2007-00491
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Proceedings:

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2. Rudnick, D., J.G. Warren, C. Burr, S. Sharma, M. Stockton, and B. Arnall. Testing ag performance solutions (TAPS) in Nebraska and Oklahoma. Central Plains Irrigation Association. Available online at: <https://www.ksre.k-state.edu/irrigate/oow/cpic20.html>
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2. **Warren, J.**, and D. Redfearn. 2013. Drought Impacts on Pasture Soils. *In* The Plant and Soil Science Extension Newsletter. Online at: <http://extensionnews.okstate.edu/archived-articles-1/2013-archived-articles/Drought%20Impacts%20on%20Pasture%20Soils.pdf> Jan.
3. **Warren, J.**, J. Edwards, C. Godsey, and J. Armstrong. 2011. Soil management after termination of a drought-stressed wheat crop. *In* The Plant and Soil Science Extension Newsletter. Online at: <http://extensionnews.okstate.edu/archived-articles-1/2011-archived-articles/soilManterminatedwheat.pdf> Apr.
4. Malone, J., and **J. Warren**. 2011. Summer OkSARE Newsletter. Vol 4 Issue 3. Aug.
5. **Warren, J.** 2011. Subsoil moisture considerations for the upcoming wheat crop. *In* The Plant and Soil Science Extension Newsletter. Online at: <http://extensionnews.okstate.edu/archived-articles-1/2011-archived-articles/08-08-11%20soilmoisture.pdf>
6. **Warren, J.** 2011. Is removing terraces from no-till cropland a good idea? *In* The Plant and Soil Science Extension Newsletter. Vol. 4 Issue 3.
7. **Warren, J.** 2010. Wind erosion during fallow periods. *In* The Plant and Soil Science Extension Newsletter. Vol. 3 Issue 10.
8. **Warren, J.** 2010. Oklahoma land judging. *In* The Plant and Soil Science Extension Newsletter. Vol. 3 Issue 08.
9. **Warren, J.** 2010. Fixing ruts this spring. *In* The Plant and Soil Science Extension Newsletter. Vol. 3 Issue 04.
10. **Warren, J.** 2010. New soil and water conservation extension web site. *In* The Plant and Soil Science Extension Newsletter. Vol. 3 Issue 02.
11. **Warren, J.** 2009. Raised bed crop production for poorly drained soils. *In* The Plant and Soil Science Extension Newsletter. Vol. 2 Issue 22.
12. **Warren, J.** 2009. Impact of climate bill (H.R. 2454) on cropland soil conservation management. *In* The Plant and Soil Science Extension Newsletter. Vol. 2 Issue 12.
13. **Warren, J.** 2009. Member Profile. *In*. DASNR Environmental Quality and Waste Management Team Newsletter. July.
14. **Warren, J.** 2009. Assessing soil compaction. *In* The Plant and Soil Science Extension Newsletter. Vol. 2 Issue 8.
15. **Warren, J.** 2008. The latest on carbon credits. *In* Timely Topics. Vol. 10.

16. **Warren, J.** 2008. Things to remember about pH in no-till soils. In The Plant and Soil Science Extension Newsletter. Vol. 1 Issue 20.
17. **Warren, J.** 2008. Soil and water conservation/management. In The Plant and Soil Science Extension Newsletter. Vol. 1 Issue 12.

PROFESSIONAL SERVICE AND LEADERSHIP ACTIVITIES

Programs Organized:

- Program Chair for the Adapting Grazing Management for Future Needs Conference. Shawnee, OK. 28-29 June. 2018
 - This program was developed to share research findings from the Great Plains Grazing Coordinated Agriculture Project with stakeholders in the region. There were approximately 60 stakeholders in attendance and a selection of 6 summary videos are available here:
https://www.youtube.com/playlist?list=PLBX_xiiFGiPJ3fL5aZwuux5mQVTzgXqem
- Hosted the Grazing CAP Research Symposium. Stillwater, OK. 21-23 Aug. 2018
 - This symposium served as the final meeting of the Great Plains Grazing Project team where team members provide presentations on their research projects. A selection of 20 summary videos are available here:
https://www.youtube.com/playlist?list=PLaM0nRQsUm4_ogvMD94IesvXyMUBDcOE-
- Fall Crops Tour at the Oklahoma Panhandle Research and Extension Center (OPREC). Goodwell, OK. 2018-2019.
 - I worked with the Field Research Service Unit staff at the OPREC to develop the tour program and logistics for this fall crops tour. It serves as an annual showcase of our research and demonstration efforts and is attended by approximately 100 people annually.
- McCaull Research and Demonstration Farm Tour. 2018-2019, 2021
 - As the faculty member who championed the development of this new research and demonstration farm I was also involved in developing the field day program. This program highlights our efforts in precision irrigation and nitrogen management as well as provides an outlet for technology providers to discuss their products. This public/private approach has been successful in attracting approximately 80 attendees, which is substantial in this sparsely populated region of Oklahoma.
- Program committee member for the National Land Judging Contest, Oklahoma City, OK. May, 2009-present
 - This national event attracts approximately 150 teams with 600 students from 35 States annually. My responsibilities include coordinating the students during the beginning of the contest. I also provide instructions to coaches as well as clarification of rules during the coaches meeting. Lastly, I conduct the official assessment of the land sites used to score the contest.
 - This contest was cancelled in 2020 and 2021.

- Superintendent for the State Land Judging Contest conducted during the OSU Career Development Event. Stillwater, OK, April, 2009-present
 - This event attracts approximately 45 teams with 180 students annually. As the superintendent, I am responsible for all aspects of this contest, including establishing the field sites, coordinating the contest and oversight of the scoring process.
 - This event was cancelled in 2020
- Program committee member for the No-till Oklahoma Conference, Feb. 2009- 2018.
 - I have taken a leadership role in this program because I feel it is essential to my efforts to reduce tillage and soil erosion in Oklahoma. Therefore, I annually serve as a member of the program committee and served as the committee chair four times. The average annual attendance for this meeting is 180. This event had a broad impact with attendants from Oklahoma as well as, Kansas, Texas, New Mexico, Arkansas and Missouri.
- Program committee member for Winter Crops School, 2009-present
 - This event is as our premier certified crop advisor training event with approximately 170 attendees annually. I coordinate the soil and water conservation CEU sessions.
 - In 2020 this program was provided virtually through a series of zoom meetings in the spring of 2021
- Helpful Computer Programs for Your Ag Extension Program. El Reno, OK. 03 Aug. and Shawnee, OK. 04 Aug. 2016
 - This in-service training was developed to train county educators on the use of online products such as the websoilsurvey, online soil test interpretation tools, and online in-season nitrogen recommendation tool utilizing NDVI. We trained 32 educators during these events.
- Cover Crop Field Day. Lahoma, OK. 29 Aug, 2013, 26 Aug. 2014
 - This field day was conducted to highlight our demonstrations of cover crop management in Oklahoma and to introduce producers to fundamental concepts of using covers in Oklahoma.
- Annual Land Judging Summer Field Day. Stillwater, OK. July, 2012-2015.
 - This event was conducted in an effort to provide 4-H and FFA students an opportunity to compete at a land judging contest as well as provide training of students and coaches after the contest. It attracted approximately 4 teams and 20 students each year.
- Program Committee Chair for the Oklahoma Soil and Water Conservation Society 2012 Annual Meeting. Stillwater, OK. June 6-7.
 - As the President of the Oklahoma Chapter, I served as the chair for the annual conference. The theme of the conference focused on sustainable agriculture systems in Oklahoma. There were 30 attendees at this conference.

Sustainable Agriculture Research and Extension Professional Development (OKSARE-PDP)

The OKSARE-PDP is a collaboration with Langston University funded by the USDA through the Southern SARE Region. This is a “train the trainer” program focused on expanding sustainable agriculture training for Extension, NRCS and other agriculture professionals who work directly with farmers and ranchers. My goal has always been to increase awareness of this program so that it can influence all aspect of Oklahoma Agriculture. We have developed it into an effective resource for building capacity in our extension system to better facilitate the adoption of technologies and strategies to increase profits and reduce environmental impacts in our state.

Below is a list of education programs supported by OKSARE-PDP. As you can see, most aspects of agriculture are represented. We annually provide approximately 100 scholarships to extension, NRCS and other agriculture professionals to attending these various training programs. We also work with conference program committees to provide travel for speakers when needed to facilitate training that supports adoption of sustainable agriculture principles. Lastly, we provide specific programmatic support for the Organic Oklahoma Conference so that we can facilitate a multi-disciplinary approach to this program to include animal, horticultural crop, and agronomic crop production in order to serve the diverse industry in Oklahoma.

- Global Horticulture meeting, 2011-2018
- Horticulture Industry Show 2011-present
- Canola Collage 2011-2018
- Langston University Goat and Hair Sheep field day 2011-present
- Organic Oklahoma Conference 2013-2021
- Women in Ag Conference, 2011-2018, 2021-present
- Plant Materials Conference, 2016-2021
- No-Till Oklahoma Conference 2011-2018
- All Crops Conference 2019
- OSU Winter Crops School 2011-present
- Southern Sustainable Agriculture Working Group Conference 2011-2020
- Oklahoma irrigation Conference 2018-2019
- IPM Scouting Training Initiative 2018
- Oklahoma Farmers Market and Agritourism Conference 2018-2019
- Langston University Plasticulture/Horticulture Conference 2015-2019
- OSU Meat Goat Camp 2018-present.
- Oklahoma Master Irrigators program 2020-present
- Cherokee Food Sovereignty Initiative 2021
- Oklahoma Local Ag Summit 2022

During the pandemic (all of 2020, and part of 2021) all of these in person events were cancelled. As a result, we redirected our funding. Initially we made efforts to support remote programming

but with no travel required our funding was more than the needs for remote learning. As a result, we redirected funds to support the development of infrastructure for educational programming. Specifically, we provided funding for our SE area office to purchase beehives to be distributed to County offices throughout the state to provide onsite demonstrations of bee keeping. This resulted in 8 hives being put across the State in 2022 in Ada, Kellyville, Hobart, Enid, Oklahoma City, Walters, and Stillwell at county offices. We also provided funding to the Biosystems and Agriculture Engineering Extension program to create mobile sprayer demonstration units to support our efforts to train educators about drift control.

Project Leadership Activities:

- Institution Project Leader for the Coordinated Agricultural Project Entitled “Resilience and vulnerability of beef cattle production in the Southern Great Plains under changing climate, land use and markets.” 2014-2019.
- Institution Project Leader for the Coordinated Agricultural Project Entitled “Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate.” 2016-2020.
- Institutional Extension Program Leader for the NIFA Sustainable Agriculture Systems Grant entitled “Increasing Water Productivity, Nutrient Efficiency and Soil Health in Rainfed Food Systems of Semi-Arid Southern Great Plains” 2019-2024.

Professional Service:

- Hosted SSSA Region IV Collegiate Soil Judging Contest; Oct. 2022
- Member of the Ag Faculty Council 2021-present
 - Current Ag Faculty Council Chair.
- Editorial Board member SSSA Journal, 2020-present
- SSSA Soil and Water Conservation Scholarship Committee; 2018-present
- OCES Ag and Natural Resource Extension Program Planning Committee; 2019
- Technical reviewer for SARE grants program; 2016-present
- SSSA Division S-6, Best paper award Committee; 2012-2013
- Hosted SSSA Region IV Collegiate Soil Judging Contest; Oct. 2018
- Associate Editor, Agronomy Journal; Dec. 2012-2015
- Senior Associate Editor, Agronomy Journal; Dec. 2011-2012
- Associate Editor, Agronomy Journal; 2008-Dec. 2011
- Chair of the ASA Graduate School Workshop Committee; 2010-2012
- Member of the ASA Graduate School Workshop Committee member; 2008-2011
- Soil and Water Conservation Society Oklahoma Chapter President; 2012
- Secretary of the Professional Soil Scientist Association of Oklahoma; 2009-12
- State Specialist Director for the Oklahoma Association of Extension Agriculture Agents; 2012
- Crops Judge at the Oklahoma City State Fair; 2010-present

Search Committees:

- Division of Agriculture, Panhandle Irrigation/Water Management Extension Specialist; 2019.

- Department of Plant and Soil Sciences, Small Grains Extension Specialist; 2018
- Department of Plant and Soil Sciences, Small Grains Weed Science Extension Specialist; 2016
- Oklahoma Cooperative Extension Service, Southwest Area Agronomist; 2016
- Department of Plant and Soil Sciences, Small Grains Extension Specialist; 2016
- Department of Plant and Soil Sciences, Department Head; 2015
- Department of Plant and Soil Sciences, Cropping Systems Extension Specialist; 2015
- Department of Plant and Soil Sciences, Panhandle Area Research and Extension Agronomist; 2015
- Department of Plant and Soil Sciences, Small Grains Extension Specialist; 2015
- Biosystems and Agriculture Engineering Department, Water Resources Extension Specialist; 2015

Departmental Committees:

- Department of Plant and Soil Sciences Reappointment, Promotion and Tenure Committee: 2017-2018

Graduate Student Committee Memberships:

- | | |
|----------------------------------|---|
| 1. Grace Flusche, Ogden PhD. | Primary Advisor-Expected Graduation Aug. 2023 |
| 2. Chime Garcia, Envi. Sci. PhD. | Primary Advisor-Expected Graduation May. 2023 |
| 3. Reynilda Monteza, PhD | Primary Advisor-Expected Graduation Aug. 2024 |
| 4. Jackson Williams, M.S. | Primary Advisor-Expected Graduation Aug. 2023 |
| 5. Brenna Cannon, M.S. | Primary Advisor-Expected Graduation May 2023 |
| 6. Glenn Garcia, PhD. | Primary Advisor-Graduation Dec. 2021 |
| 7. Blake Farrow, M.S. | Primary Advisor-Graduated Dec. 2017 |
| 8. Blake McGowen, M.S. | Primary Advisor-Graduated Dec. 2016 |
| 9. Cameron Murley, M.S. | Primary Advisor-Graduated Dec. 2016 |
| 10. Jordan Gatlin, M.S. | Primary Advisor-Graduated Aug. 2015 |
| 11. Bill Jones, M.S. | Primary Advisor- Graduated Dec. 2015 |
| 12. Tracy Wilson, Ph.D. | Primary Advisor-Graduating Dec. 2014 |
| 13. Kevin Meeks. Ph.D. | Primary Advisor- Graduating Dec. 2014 |
| 14. Alex Mullock, M.S. | Primary Advisor- Graduating Dec. 2013 |
| 15. Sumit Sharma, M.S. | Primary Advisor- Graduated Aug. 2013 |
| 16. Tracy Wilson, M.S. | Primary Advisor- Graduated Dec. 2011 |
| 17. Vanessa Fortney, PhD | Committee Member |
| 18. Josie Rice, M.S. | Committee Member |
| 19. Matt Thomas, M.S. | Committee Member |
| 20. Sam Akin, M.S. | Committee Member |
| 21. Andrea Althoff, M.S. | Committee Member-Graduated Dec. 2022 |
| 22. Taylor Garcia, PhD. | Committee Member-Graduated Dec. 2022 |
| 23. Ranna Koushki, PhD | Committee Member-Graduated Dec. 2022 |
| 24. Tod Higgins, M.S | Committee Member-Graduated May 2022 |
| 25. Kelsey, Singleton, M.S. | Committee Member-Graduated May 2022 |
| 26. Bradley Wilson, PhD. | Committee Member-Graduated Dec. 2021 |
| 27. Austin Benzing, M.S. | Committee Member-Graduated May 2021 |

28. Eva Nambi, PhD.	Committee Member-Graduated May 2021
29. Joao Bigatao Souza, PhD	Committee Member-Graduated Dec. 2021
30. Fikayo Oyebiyi, PhD.	Committee Member-Graduated Dec. 2020
31. Taylor, Price, M.S.	Committee Member-Graduate Dec. 2020
32. Josh Massey, PhD.	Committee Member-Graduated May 2020
33. Sarah Kezar, M.S.	Committee Member-Graduated May 2020
34. Jagman Dhillon, PhD.	Committee Member-Graduated Dec. 2019
35. Joao Antonangelo PhD.	Committee Member-Graduated Aug. 2019
36. Destiny Kerr M.S.	Committee Member-Graduated Aug. 2019
37. Karthik Ramaswamy PhD.	Committee Member-Graduated Aug. 2019
38. Tyler Lynch M.S.	Committee Member-Graduated Aug. 2019
39. Kyle Horn M.S.	Committee Member-Graduated May 2019
40. Brandon Vaverka M.S.	Committee Member-Graduated May 2019
41. Blessing Masasi PhD.	Committee Member-Graduated May 2019
42. Divya Handa M.S.	Committee Member-Graduated Dec. 2018
43. Adam McGee, PhD.	Committee Member-Graduated Aug. 2018
44. Camron Nisley M.S	Committee Member-Graduated May 2018
45. Bradley Battershell, M.S.	Committee Member-Graduated May 2018
46. Patrick Watkins M.S.	Committee Member-Graduated May 2017
47. Bryan Rutter, M.S.	Committee Member-Graduated Aug. 2017
48. Eva Nambi, M.S.	Committee Member-Graduated Dec. 2017
49. Karthik Ramaswamy, M.S.	Committee Member-Graduated May 2016
50. Nicole Remondet, M.S.	Committee Member-Graduated Dec. 2016
51. Linda Ervine, M.S.	Committee Member-Graduated Aug. 2015
52. Jimmy Bowen M.S.	Committee Member-Graduated Aug. 2015
53. Josh Daniel M.S.	Committee Member-Graduated Aug. 2015
54. Andres Patrignani PhD.	Committee Member-Graduated Dec. 2015
55. Brianna Domnick M.S.	Committee Member-Graduated Dec. 2014
56. Andrew Whitaker M.S.	Committee Member-Graduated May 2014
57. Pradeep Wagle, Ph.D.	Committee Member-Graduating Dec. 2013
58. Liu Bing, Ph.D.	Committee Member- Graduated Dec. 2013
59. Lance Weaver, M.S.	Committee Member-Graduated Aug. 2012
60. HaeJin Kim, Ph.D.	Committee Member-Graduated Aug. 2012
61. Arjun Pandey, M.S.	Committee Member- Graduated May 2012
62. Chaowana Phetcharat, Ph.D.	Committee Member-Graduated Dec. 2011
63. Silvano Abreu, Ph.D.	Committee Member-Graduated May 2011
64. Kaliana Tanganelli M.S.	Committee Member- Graduated May 2011
65. Emily Rutto Ph.D.	Committee Member- Graduated Dec.2011
66. Laura Eskridge, M.S.	Committee Member- Graduated Dec. 2010
67. Thomas Walraven M.S.	Committee Member- Graduated Dec. 2010

EXTENSION AND CONFERENCE PRESENTATIONS

Out of State Invited Conference Presentations:

1. **Warren, J.G.**, and D.R. Rudnick. 2022. Soil Moisture Monitoring Mechanisms and Technologies. Presented at the Colorado Master Irrigators Training. Jan. 12.

2. **Warren, J.G.** 2021. Evapotranspiration and soil water depletion under SDI irrigated cotton in Oklahoma Panhandle. Presented at the Great Plains Cotton conference. Feb. 23.
3. **Warren, J.G.** 2021. Testing ag performance solutions in the Oklahoma Panhandle. Presented at the Irrigation Association virtual conference Feb. 25.
4. **Warren, J.G.** and D. Rudnick. 2021 Testing ag performance solutions. Presented at the UCOWR/NIWR Virtual Conference June 9.
5. **Warren, J.G.**, S. Sharma, B. Arnall, and S. Byrd. 2020. Oklahoma Testing Ag Performance Solutions. Presented at the Colorado Water Congress through Zoom. Sept. 15.
6. **Warren, J.G.** 2020. Dealing with soil compaction considering equipment of today. Presented at 2020 Precision University: Combating Compaction. Springfield, OH. Jan. 8.
7. **Warren, J.G.**, and Scott Frazier. 2020. Irrigation Energy and Water Audits: What are we looking for and how is it done? Presented at the Colorado Master Irrigators Training. Wray, CO. Fe. 26.
8. **Warren, J.G.** 2020. Soil properties impacting water dynamics. Presented at the Colorado Master Irrigators Training. Wray, CO. Feb. 12.
9. **Warren, J.G.**, D. Rudnick, C. Burr, and S. Sharma. 2020. Testing Ag performance solutions(TAPS) in Nebraska and Oklahoma. Presented at the 32nd Annual Central Plains Irrigation Conference. Burlington, CO. Feb. 18-19.
10. **Warren, J.G.**, S. Sharma, B. Arnall, and C. Murley. 2019. Setting up and managing our VRI and reflex pump in the Southern Plains. Presented at the West Central Water and Crops Field Day. North Platte NE. 22 Aug.
11. **Warren, J.G.**, S. Sharma, B. Arnall, C. Murley. 2019. Pre-Plant Anhydrous response in irrigated Corn (a field scale study). Presented at the Terravion grower meeting. Sublette, KS. 1 Mar.
12. **Warren, J.G.** 2019. The sustainability of dryland milo in the southern high plains. Presented at the Center for Sorghum Improvement, Seminar Series. Manhattan, KS. 8 Jan.
13. Sharma, S., **J. Warren**, C. Murley, and B. Arnall. 2018. McCaull Research and Demonstration Farm. Presented at the Governor's Conference on the Future of Water in Kansas. Manhattan, KS. 14 Nov.
14. **Warren, J.G.** 2018. Soil water dynamics in Dryland. Presented at the Soil Health Field Day. Hugoton, KS. 14 Aug.
15. **Warren, J.G.** 2017. Row placement effects on crop performance and root growth over SDI. Crops Field Day at the West Central Research and Extension Center. North Platte NE. 24 Aug.

16. **Warren, J.**, A. Stoecker, R. Jones, K. Ramaswamy, and T. Beedy. 2017. Limits to High Yielding Irrigated Milo, Agronomy vs. Policy. Presented at the Central Plains Irrigation Conference. Burlington, CO. 21 Feb.
17. **Warren, J.** 2017. Fundamental Principles for Successful No-Till in the Southern Plains. Presented at the Texas Soil Health Short Course. Wichita Falls, TX. 23 Feb.
18. **Warren, J.** 2017. Innovative Soil Health Demonstrations in Oklahoma. Presented at the No-Till on the Plains Conference. Salina, KS. 25 Jan.
19. **Warren, J.** 2017. Intensive Irrigation Management. Presented at the SorghumU meetings in Wichita, and Hays, KS. 10 and 12 Jan.
20. **Warren, J.**, A. Stoecker, R. Jones, K. Ramaswamy, and T. Beedy 2016. Limits to High Yielding Irrigated Milo, Agronomy vs. Policy. Presented at the Big 12 Water Conference. Waco, TX. 27 Sept.
21. **Warren, J.**, A. Stoecker, R. Jones, K. Ramaswamy, and T. Beedy 2016. Limits to High Yielding Irrigated Milo, Agronomy vs. Policy. Presented at the Sorghum Improvement Conference of North America. Manhattan, KS. 20 Sept.
22. **Warren, J.** 2016. Understanding blue and green water for feed production in animal agriculture. Presented at the American Society of Animal Science Joint Meeting. Salt Lake City, UT. 21 July.
23. **Warren, J.** 2016. Grazing Cropping Systems in Oklahoma. Presented at the Southern Cover Crop Conference. Goldsboro, NC. 18-19 July.
24. **Warren, J.** 2015. Adopting Precision Technologies to Soil Health Management. Presented at InfoAg Conference. St. Louis, MO 28-30 July.
25. **Warren, J.** 2013. Tillage effects on water use. Presented at the High Plains Irrigation Conference and Trade Show. Amarillo, TX 17 Jan.
26. **Warren, J.G.** 2011. Soil test P drawdown: what do we really know? Presented at the 12th Annual Kansas Precision Ag Conference. Salina, KS. 23 Jan.
27. **Warren, J.G.** 2011. Utilizing Sensor Based N Management for Resource Conservation. Presented at the InfoAg Conference. Springfield, IL. 13 July.

Extension Presentations:

1. Warren, J.G. 2022. Learning from Testing Ag Performance Solutions. Presented at the Governors water conference. Dec. 16.
2. Warren, J.G. 2022. Environmental carbon potential. Presented at the Winter Crops School. Dec. 15.
3. **Warren, J.G.** 2022. Better Soil, Better Turf. Presented at the Central Oklahoma Turfgrass Conference. Aug. 11.
4. **Warren, J.G.** 2021. Opportunities for Irrigated Grain Sorghum. Presented at the Red River Crops School. Jan. 12.

5. **Warren, J.G.** 2021. Evapotranspiration and soil water depletion under SDI irrigated cotton in Oklahoma Panhandle. Presented at the 2021 Cotton Physiology Meeting. Feb. 3.
6. **Warren, J.G.** 2021. Understanding tillage for canola production. Presented at the Garfield County Canola and private pesticide applicators training meeting. Aug. 26.
7. **Warren, J.G.** 2021. Transitioning from conventional tillage to strip-till and/or no-till: Timing and climate. Presented during a virtual soil health meeting. Oct. 22.
8. **Warren, J.G.** 2021. Update on our Aggregate Stability Analysis Protocol and Conservation Tillage Studies. Presented at the annual RAIN project meeting. Sept. 8.
9. **Warren, J.G.**, and R. Taylor. 2021 Tillage: past, present and future. Presented at the Winter crops school. Dec. 16.
10. **Warren, J.G.** 2020. Opportunities for irrigating Grain Sorghum. Presented as part of the Winter crops school webinar series. Dec. 15.
11. **Warren, J.G.** 2020. Soil moisture trends under irrigated cotton in SW Oklahoma and the Panhandle of Oklahoma. Presented at a Late Season Cotton Management Webinar. Sept. 17.
12. **Warren, J.G.** 2020. Update on soil health testing procedures. Presented at the SE area OCES Coffee shop zoom meeting. May 20.
13. **Warren, J.G.** and B. Arnall. 2020. Biologicals for soil and soil health. Presented at the Green Country Crops Conference. Pryor OK. Mar. 2.
14. **Warren, J.G.** 2020. Testing Ag Performance Solutions (TAPS) 2019 results. Presented at the Crops Clinic. Goodwell, OK. Feb. 11.
15. **Warren, J.G.** 2020. Cotton irrigation research in the panhandle. Presented at the Cotton Physiology meeting. Ardmore, OK. Feb. 5.
16. **Warren, J.G.** 2019. Crop water needs in Oklahoma. Presented at the Winter Crops School. Stillwater, OK. 17 Dec.
17. Sharma, S., **J. Warren**, K. Gehl, and P Thomlinson. 2019. Nitrous Oxide from cropping systems in Oklahoma. Presented at the Winter Crop School. Stillwater, OK. 17 Dec.
18. **Warren, J.G.**, S. Taghvaeian, B. Arnall, and S. Sharma. 2019. Using commercial irrigation tools for impactful research. Presented at the Governors Water Conference. Oklahoma City, OK. 4 Dec.
19. **Warren, J.G.**, S. Byrd, S. Taghvaeian, B. Arnall, and S. Sharma. 2019. Capacity limited irrigation scheduling in Oklahoma Panhandle. Presented at the Cotton Council meeting. Altus, OK. 18 July.
20. **Warren, J.G.** 2019. Measurement of CO₂ burst from soils. Presented at the SERA6 conference. Stillwater, OK, 11 June.
21. **Warren, J.G.** 2019. Soil Management. Presented to the Tulsa Master Gardener's. Tulsa, OK. 12 June.

22. **Warren, J.G.** 2019. Irrigation Management for cotton production in the panhandle. Presented at the Texas county Cotton meeting. Hooker, OK. 27 Feb.
23. **Warren, J.G.** 2019. Using cover crops in NE Oklahoma. Presented at the Green Country Crops Conference. Pryor, OK. 26 Feb.
24. **Warren, J.G.** 2019. Irrigation management for cotton production. Presented at the All-Crops Conference. Norman, OK. 19-20 Feb.
25. **Warren, J.G.** 2019. Sustainable agriculture in Oklahoma. Presented as a panel member at the Oklahoma Genetic Improvement annual meeting. Edmond, OK. 13 Feb.
26. **Warren, J.G.** 2019. Improving soil Properties. Presented at the Payne County Master Gardener's meeting. Stillwater, OK. 22 Jan.
27. Sharma, S., S. Taghvaeian, and **J. Warren**. 2018. Diurnal nature of crop canopy temperatures. Presented at the Winter Crops School. Stillwater, OK. 11-12 Dec.
28. **Warren, J.G.** 2018. Soil health testing procedures. Presented at the Winter Crops School. Stillwater, OK. 11-12 Dec.
29. **Warren, J.G.**, C. Murley, D. Buck, S. Sharma, S. Taghvaeian, and S. Frazier. 2018. Irrigation Technologies: where we are and where we are headed. Presented at the Governors Water Conference. Oklahoma City, OK. 5 Dec.
30. **Warren, J.G.** D. Lalman, R. Rueter, A. McGee, and A. Rocateli. 2018. Managing Crabgrass with Continuous Grazeout Wheat. Presented at the Grady County Ag marketing Meeting. Chickasha, OK. 20 Nov.
31. **Warren, J.G.** 2018. Soil management for improved water use efficiency in the landscape. Presented at the APWA training day. Oklahoma City, OK. 11 Oct.
32. **Warren, J.G.** 2018. Fundamental Principles for Successful No-Till in the Southern Plains. Presented at the Women in Ag Conference. Oklahoma City, OK. 9 Aug.
33. **Warren, J.G.**, K. Wagner, and S. Sharma. 2018. Ogallalawater.org. Presented at the Oklahoma Water Research Advisory Board Meeting. Oklahoma City, OK, 18 July.
34. **Warren, J.G.** 2018. The Web Soil Survey: An excellent source of information. Presented at the Goat Camp 2.0. Ada, OK. 11 June.
35. **Warren, J.G.** 2018. No-till: past, present and future of soil management in Oklahoma. Presented at the 3rd Soil Biology Symposium. Stillwater, OK. 27 Apr.
36. **Warren, J.G.** 2018. Irrigation Scheduling. Presented at the Oklahoma Peanut Expo. Altus, OK. 15 Mar.
37. **Warren, J.G.** 2018. Milo Irrigation. Presented in Woodward County Sorghum meeting. Woodward, OK 9 Mar.
38. **Warren, J.G.** 2018. Corn and Milo Irrigation. Presented at the Oklahoma Irrigation Conference. Weatherford, OK. 8 Mar.
39. **Warren, J.G.** and J. Lofton. 2018. Making no-till successful and using Cover Crops in NE OK. Presented at the NE Oklahoma Crops Conference. Vinita, OK. 27 Feb.

40. **Warren, J.G.** 2018. Managing Ruts, Wheel Tracks and Animal Housing. Presented at the No-till Oklahoma Conference. Shawnee, OK. 6-7 Feb.
41. **Warren, J.G.** 2018. Research and Demonstration Opportunities in the Panhandle. Presented at the Oklahoma Panhandle Agriculture and Irrigation Association meeting. Guymon, OK. 19 Jan.
42. **Warren, J.G.** 2018. Better soil for better turf. Presented at the South-Central Oklahoma Turf and Landscape maintenance program. Tishomingo, OK. 18 Jan.
43. **Warren, J.G.** 2017. Structural erosion control. Presented at the Winter Crops School. Stillwater, OK. 11 Dec.
44. **Warren, J.G.** and H. Zhang. 2017. Soils and nutrient management. Presented as part of the Tulsa Master Gardeners training program. Tulsa, OK. 4 Oct.
45. **Warren, J.G.** 2017. Irrigation Scheduling for Variable Rate Irrigation. OPREC Fall Crops Tour. Goodwell, OK. 1 Sept.
46. **Warren, J.G.** 2017. Improving soil Properties. Presented to the Ponca City Master Gardeners. Ponca City, OK. 21 Aug.
47. **Warren, J.G.** 2017. Winter Cover Crops. Presented at the No-till on the Plains Nowata County soil health meeting. South Coffeerville, OK. 17 Aug.
48. **Warren, J.G.** 2017. Practices for improving soil and system health. Presented at the Summer Crops Conferences held at El Reno, OK 13 Jul., Alva, OK. 17 Jul., and Afton, OK. 20 Jul.
49. Guerrero, B., R. Owens, and **J.G. Warren.** 2017. Research Efforts for the Dairy Industry in the Ogallala Aquifer Region. Dairy Farmers Association's Southwest Area Young Cooperator program. Oklahoma City, OK. 13 July.
50. **Warren, J.G.** 2017. Soil Water Dynamics and Cover Crop/Forage Management. Presented at the Western OK Cattle, Crop and Economics Conference in Elk City 27 Mar., McClain County soil health tour. Purcell, OK. 24 May
51. **Warren, J.**, B. McGowen, H. Zhang, and S. Deng. 2017. Update on soil health assessment framework. Presented at the No-Till Oklahoma Conference. Shawnee, OK. 8 March and the OACD annual conference. Midwest City, OK. 28 Feb.
52. **Warren, J.G.** 2017. SDI optimization and management. Presented at water week. Stillwater, OK. 17 Feb.
53. **Warren, J.G.** 2017. Grazing Cropping Systems in Oklahoma. Presented at the Oklahoma Crop Improvement Association State Meeting, Norman, OK. 10 Feb.
54. **Warren, J.** 2016. Update on Soil Health Assessment Framework. Presented at the Winter Crops School. Stillwater, OK. 13 Dec.
55. **Warren, J.** 2016. Evaluating Cover Crop for Forage Production. Presented at Cattle Trails Cow-Calf Conference. Lawton, OK. 1 Dec.
56. **Warren, J.** 2016. Update on Locally-led On-farm Demonstration Project. Presented on OACD Area Meetings. Wilberton, OK. 25 Oct., Oklahoma City, OK. 27 Oct., Geary, OK. 1 Nov., Vinita, OK 3 Nov., and Cordell, OK. 15 Nov.

57. **Warren, J.** 2016. The Web Soil Survey: An excellent source of information. Presented at the Buck Test Field Day. Wilburton, OK. 30 Sept.
58. **Warren, J.,** A. Stoecker, R. Jones, K. Ramaswamy, and T. Beedy 2016. Limits to High Yielding Irrigated Milo, Agronomy vs. Policy. Presented at the Fall Crops Tour. Goodwell, OK. Aug. 31.
59. **Warren, J.,** D. Sims, and S. Taghvaeian. 2016. On-Farm Evaluation of water Dynamics Around Subsurface Drip Irrigation. Presented at the Governor's Water Conference and Research Symposium. Norman, OK. 12 Aug.
60. **Warren, J.,** B. Farrow, B. Jones, A. Post, and J. Lofton. 2016. Understanding tillage for canola production. Presented at the Winter Canola Conference. Lahoma, OK and Weatherford, OK. 02 Aug.
61. **Warren, J.,** A. Stoecker, K. Ramaswamy, R. Jones, J. Campiche, A. Paul, B. Lane, J. Gatlin, D. Sims, and C. Murley. 2016. Optimizing Economic value of water from Ogallala aquifer used for irrigation. Presented at the Oklahoma Water Research Advisory Board Meeting Catoosa, OK. 14 July.
62. **Warren, J.** 2016. A Snap Shot of Cover Crop Research in OK. Presented at Redlands Community College Soil Health Seminar. El Reno, OK. 11 July.
63. **Warren, J.** 2016. The Web Soil Survey: An excellent source of information. Presented at the Goat Camp 2.0. Ada, OK. 23 May.
64. **Warren, J.** 2016. Soil Health Dynamics: Why are They Important. Presented at the Harper County Soil Health Meeting. May, OK. 19 May.
65. **Warren, J.** 2016. Cover Crop Research in Oklahoma and BMP's. Presented at the Soil Health & Cover Crop Conference. Alva, OK. 30 March.
66. **Warren, J.** 2016. Multi-Purpose Crops: A Perspective on Cover Crops. Presented at the Crops Clinic. Goodwell, OK. 29 Mar.
67. **Warren, J.** 2016. Cover Crops and Soil Fertility. Presented at the Nowata county soil health meeting and field day. Nowata, OK. 10 March
68. **Warren, J.,** D. Sims, C. Murley, S. Taghvaeian, R. Kochenower and R. Taylor. 2016. Row Placement Considerations for subsurface Drip. Presented at the Oklahoma Irrigation Conference. Woodward, OK. 7 March.
69. **Warren, J.** 2016. Developing a Mixture for your Intended Goal. Presented at Alfalfa County Cover Crop meeting. Cherokee, OK. 25 Feb.
70. **Warren, J.** B. Farrow, B. Jones, A. Post, and J. Lofton. 2016. Managing Canola in Conservation Tillage Systems. Presented at the Canola Collage. Enid, OK. 16 Feb.
71. **Warren, J.** 2015. Soil Health Demonstration Farms and Testing. Presented at the Winter Crops School. Stillwater, OK. 15 Dec.
72. McGowen, B., and **J. Warren.** 2015. Soil Testing to Assess Soil Health. Presented at the Harper County Conservation District Annual Breakfast. Buffalo, OK. 13 Oct.
73. **Warren, J.,** S. Taghvaeian, R. Taylor, D. Sims, and C. Murley. 2015. Alternative Crop Row Configuration for Subsurface Drip Irrigation. Presented at the 36th Annual

- Oklahoma Governor's Water Conference and Research Symposium. Norman, OK. 2 Dec.
74. **Warren, J.** 2015. Planting Strategies for Wheat Under SDI. Presented at the Oklahoma Irrigation Conference. Fort Cobb, OK. 18 Aug.
 75. **Warren, J.** 2015. Locally lead on-farm demonstrations of soil health promoting practices. Presented at the NACD South Central Regional meeting. Tulsa OK. 11 Aug.
 76. **Warren, J.** 2015. Soil Fertility as a foundation of soil health in bermudagrass pastures. Presented at the Soil Health Workshop. Chickasha, OK. 10 Aug.
 77. **Warren, J.** 2015. Multi-purpose crops: a perspective on cover crops. Presented at the Gate Wheat Meeting in Gate, OK and Balko wheat meeting. Balko, OK. 6 Aug.
 78. **Warren, J.** 2015. Economics of Irrigated Corn vs. Grain Sorghum. Presented at the Winter Crops Clinic. Goodwell, OK. 10 Apr.
 79. **Warren, J.** 2015. Cover Crop Research in Oklahoma and BMP's. Presented at the Johnstons Seed cover crop meeting. Enid, OK. 12 March, and Alfalfa County Grain sorghum and cover crop meeting. Cherokee, OK. 9 April.
 80. **Warren, J.** 2015. Saline, Sodic, and Saline/Sodic Seeps. Presented at the Grant County wheat meeting. Medford, OK, 27 Mar.
 81. **Warren, J., J. Edwards, R. Kochenower, C. Godsey, and R. Taylor.** 2015. Short term no-till research. Presented at the No-till Oklahoma Conference. Norman, OK. 3-4, Mar.
 82. **Warren, J., and S. Taghvaeian.** 2015. Irrigation Scheduling Technologies. Presented at the Northwest Oklahoma agriculture and irrigation association conference. Enid, OK. 24 Feb.
 83. **Warren, J.** 2015. Impact of Canola Management on Soil Health. Presented at the Canola College. Enid, OK. 19 Feb.
 84. **Warren, J.** 2014. Locally-Led On-Farm Demonstration: Promoting Soil Health through Successful Farm Management Presented at the Winter Crops School. Stillwater, OK. 9-10 Dec.
 85. **Warren, J.** 2014. Could a dust bowl happen again. Presented at the Science Café: Drought: then and now. Stillwater, OK. 18 Nov.
 86. **Warren, J.** 2014. Utilizing Cover Crops in No-Till Systems. Presented at the Oklahoma Ag Expo. Midwest City, OK. 3-5 Nov.
 87. **Warren, J.** 2014. Utilizing Cover Crops in No-till Systems. Presented at the Kay County Wheat Production Meeting. Blackwell, OK. 27 Aug.
 88. **Warren, J.G.** 2014. Unpredictable seasonal patterns and managing crop production. Presented at the Oklahoma Ag Weather Symposium. Norman, OK. 21 Aug.
 89. **Warren, J.** 2014. Utilizing Cover Crops in No-Till Systems. Presented at the Women in Ag Conference. Oklahoma City, OK. 7 Aug.

90. Meeks, K., and **J. Warren**. 2014. Can we make cover crops work in a continuous wheat system? Presented at the Winter Pasture Stocker Seminar Hosted by the Noble Foundation. Ardmore, OK. 15 July.
91. **Warren, J.**, S. Sharma, and T. Wilson. 2014. On-farm soil carbon sequestration assessment. Presented at the /s-1048 Regional Research Meeting. Raleigh, NC. 21-22 May.
92. **Warren, J.** 2014. Potential use of Cover Crops. Presented at the Crops Clinic. Goodwell, OK. 6 Mar. and at Producers breakfast at Watonga, OK 27 Mar., at the Harper County meeting at Buffalo, OK 14 May, At the Woods County Wheat meeting in Alva, OK. 16 May.
93. **Warren, J.**, J. Edwards, T. Wilson, and K. Meeks. 2014. Cover crops in Oklahoma. Presented at the Southern Plains Cover Crop Symposium. Hays, KS. 2-3 Apr.
94. **Warren, J.G.** 2014. Can we develop an on-farm demonstration program. Presented at the No-Till Oklahoma Conference. Norman, OK. 11-12 Mar.
95. **Warren, J.G.**, and B. Arnall. 2014. Where are we headed with Greenhouse Gas Credits. Presented at the Nutrient Management and EQIP meeting. Hollis, OK. 7 Feb.
96. **Warren, J.** 2014. Potential use of Cover Crops as a Forage Source. Presented at the Extension Conference. Stillwater, OK. 22-23 Jan.
97. **Warren, J.G.**, R Kochenower, J. Gatlin, and C. Murley. 2013. Grain Sorghum and Corn Productivity under limited irrigation. Presented at the Oklahoma Water Research Symposium. Midwest City, OK. 3 Oct.
98. **Warren, J.G.** 2013. Cover Crops. Presented at: The Annual Harper County Conservation District Breakfast meeting. Buffalo, OK. 8 Oct.
99. **Warren, J.** 2013. Managing for Soil Quality and it's Assessment. Presented at NRCS No-till Meeting. Purcell, OK. 6 June.
100. **Warren, J.**, S. Sharma, and T. Wilson. 2013. Variability in Soil Carbon Stock Measurements. Presented at the Southern Soil Physics Working Group meeting. Lexington, KY. 24 May.
101. **Warren, J.G.** 2013. Greenhouse Gas Emissions from Crop Production and EQUIP. Presented at Nutrient Management and Equip Meeting, Gould, OK. 8 May.
102. **Warren, J.**, and C. Penn. 2013. Land Application of Drill Cuttings and Fluids. Presented at the mineral rights owners meeting. Chickasha, OK. 27 Mar.
103. **Warren, J.** 2013. Subsurface Drip Irrigation. Presented at the Oklahoma Panhandle Research and Extension Center Crops Clinic. Goodwell, OK. 14 Mar.
104. **Warren, J.** and B. Jones. 2013. How have Drought Conditions Influences Irrigation Water Demand. Presented at the Drought Forum, Goodwell, OK. 7 Mar.
105. **Warren, J.** A. Mullock, R. Taylor. 2013. Managing Compaction under Grazed No-Till Systems. Presented at the No-Till Oklahoma Conference. Norman, OK. 20 Feb.
106. **Warren, J.G.** 2012. Soil Carbon Sequestration and N₂O emissions. Presented at the Bioenergy Research and Development Initiative site visit. Ardmore, OK. 15 Nov.

107. **Warren, J.G.**, C. Godsey. 2012. Soybean Production in Oklahoma. Presented at the Major County cropping systems meeting. Fairview, OK. 13 Nov.
108. **Warren, J.G.** 2012. Soil Moisture Dynamics. Presented at the Western Farmers Customer Appreciation Event. Clinton, OK. 17 Feb.
109. **Warren, J.G.** 2012. Cropland management during a drought. Presented at the Deer Creek Conservation Districts Drought seminar. Clinton, OK. 5 Sept.
110. **Warren, J.G.** 2012. Nitrous oxide emissions from agricultural soil management and GHG credits. Presented at the No-Till Oklahoma Conference. Norman, OK. 22 Feb.
111. **Warren, J.G.**, and J. Malone. 2012. Oklahoma SARE: Professional Development Program. Presented at the Oklahoma Soil and Water Conservation Society Annual Meeting. Stillwater, OK. 06 June.
112. **Warren, J.G.** and S. Sharma. 2012. Research supporting the Oklahoma Carbon Program. Presented at the annual meeting of the S1048 Multi-Research Project. Stillwater, OK. 17 May.
113. **Warren, J.G.** 2012. Factors influencing soil water storage capacity. Presented as part of the Crop Rotation-Plant and Soil Relations in service training. Stillwater, OK. 28 June.
114. **Warren, J.G.** 2012. Efforts in the N. Canadian River. Presented at the N. Canadian River Watershed Advisory Group meeting. Geary, OK 31 July.
115. **Warren, J.G.** 2012. Soil quality under no-till management. Presented at the Conservation Informational and Soil Health Workshop for Tribes, Tribal Members, Local Farmers and Ranchers. Lahoma, OK. 02 Aug.
116. Taylor, R., and **J.G. Warren**. Managing soil compaction. Presented at the OCES conference. Stillwater, OK. 01 Jan.
117. **Warren, J.G.** 2012. Crop Residue Management. Presented at the Crops Clinic. Goodwell, OK. 03 Mar.
118. **Warren, J.G.** 2012. Soil profiling for on-site waste water treatment. Presented at the Soil Profilers training. Oklahoma City, OK. 11 July.
119. **Warren, J.G.** 2011. Nitrous oxide emissions from agricultural soil management and greenhouse gas credits. Presented at the 2011 OSU Winter Crops School. Stillwater, OK. 14 Dec.
120. **Warren, J.G.** 2011. Manure Nutrient Utilization Under No-Till Conditions. Presented at the Grant County No-till Conference. Wakita, OK. 29 Nov.
121. Wilson, T. A. Cumbie, and **J.G. Warren**. 2011. Nitrous Oxide Emissions as a Function of N Application Rate to Forage Sorghum. Presented at the Great Plains Sorghum Conference and 28th Bienial Sorghum Research and Utilization Conference. Stillwater, OK 12-13 Sept.
122. **Warren, J.G.** 2011. Is Deep Tillage Worth the Trouble? Presented at the Garfield County 2011 Wheat Production Meeting. Enid, OK. 25 Aug.
123. **Warren, J.G.** 2011. Soil Management in No-till Wheat Production. Presented at the Major County summer wheat meeting. Pond Creek, OK. 9 Aug.

124. **Warren, J.G.** 2011. Deep Tillage: When and Why Not? Presented at the No-till Oklahoma Conference. Norman, OK. 23 July.
125. **Warren, J.G.**, A. Cumbie, T.M. Wilson, and S. Hansen. 2011. Rapid Assessment and Monitoring of Carbon Sequestration in Cropland for the Oklahoma Carbon Program. Presented at the International Soil and Water Conservation Society Annual Meeting in Washington D.C. 17-20 July.
126. **Warren, J.G.** 2011. Improving the Soil Through No-till Presented at the No-till Oklahoma Conference. Norman, OK. 23 July.
127. **Warren, J.G.** 2011. Natural Resource Conservation through Extensions Education. Presented at the Oklahoma Chapter of the Soil and Water Conservation Society Annual Conference. Norman, OK. 9 June.
128. Wilson, T., and **J. Warren**. 2011. Hidden Cost of Soil Erosion. Presented at the 12th Annual Crop Production Clinic. Goodwell, OK. 10 Mar.
129. **Warren, J.G.** 2011. Conservation tillage using vertical tillage and strip-tillage. Presented at P and K Tillage conference. Enid, OK. 16 Feb.
130. **Warren, J.G.** 2011. Phosphorus Drawdown. Presented at 12th annual Kansas Precision Ag Conference. Salina, KS. 23 Jan.
131. **Warren, J.G.** 2010. The WebSoilSurvey, A useful to for land management. Presented at the Delaware Co. Cattlemen's Association Annual Meeting. Westville, OK. 14 Dec.
132. **Warren, J.G.** 2010. Soil erosion. Presented at: 2010 Winter Crops School. Stillwater, OK. 14 Dec.
133. **Warren, J.G.** 2010. Cover crop selection, making the right choice. Presented at: 2010 Winter Crops School. Stillwater, OK. 14 Dec.
134. **Warren, J.G.** 2010. The soil water cycle. Presented at: Grant County No-till Conference. Pond Creek, OK. 19 Nov.
135. **Warren, J.G.**, T.M. Wilson. 2010. Soil carbon sequestration stocks and sequestration potential in Oklahoma cropland: the link to resource conservation. Presented at: 2010 Ozark Summit. Tahlequah, OK. 19 Oct.
136. **Warren, J.G.**, and C. Penn. 2010. Use of industrial by-products for removing contaminants from surface waters. Presented at: 2010 Governor's Water Conference and OWRRI Water Research Symposium. Norman, OK. 27 Oct.
137. Elder, C., and **J.G. Warren**. 2010. Nitrous oxide emissions from cellulosic bioenergy feedstock production. Presented at: 2010 Governor's Water Conference and OWRRI Water Research Symposium. Norman, OK. 26 Oct.
138. **Warren, J.G.** 2010. Youth education potential of land judging in Oklahoma. Presented at: OCES 4-H Parent-Volunteer Conference. Stillwater, OK. 17 Jul.
139. **Warren, J.G.** 2010. What do carbon sequestration rates look like in OK. Presented at: No-till Oklahoma Conference. Norman, OK. 7 Feb.
140. **Warren, J.G.**, 2010. Utilizing raised beds for corn production in saturated soils. Presented at: Agronomy Institute. Parsons, KS. 4 Feb.

141. **Warren, J.G.**, and S. Lancaster. 2010. Youth education potential of plant and soil science judging contests. Presented at: OCES Extension Conference. Stillwater, OK. 20 Jan.
142. **Warren, J.G.** 2009. Defining Soil Quality. Presented at: OSU Winter Crops School. Stillwater, OK. 15 Dec.
143. **Warren, J.G.** 2009. Soil and Water Conservation. Presented at: OSU Winter Crop School, Beginning CCA Workshop. Stillwater, OK. 15 Dec.
144. **Warren, J.G.** 2009. Soil Carbon Sequestration and Carbon Credits. Presented at: Oklahoma Ag Expo. Oklahoma City, OK. 5 Nov.
145. **Warren, J.G.**, T. Ochsner, C.B. Godsey, and J. Edwards. 2009. Soil Water in Oklahoma No-till. Presented at: Oklahoma Water Research Symposium, Oklahoma City, OK. 5 Nov.
146. **Warren, J.**, B. Raun, H. Zhang, and B. Arnall. 2009. Phosphorous Drawdown in Wheat. Presented at: Southern Nutrient Management Conference. Olive Branch, MS. 6-7, Oct.
147. Fletcher, K., **J.G. Warren**. 2009. Assessment of Soil Organic Carbon Sequestration Potential for Central Oklahoma. Presented at: CRN CO₂ Capture and Utilization Symposium. Arlington, VA. 30 May.
148. **Warren, J.G.** 2009. Soil Carbon Sequestration and Carbon credits. Presented at: South West Oklahoma Wheat Commission Annual Meeting, Fort Cobb, OK. 13 May.
149. **Warren, J.G.** 2009. Soil Carbon Sequestration and Carbon credits. Presented at: Panhandle Crops Clinic, Goodwell, OK. 13 Mar.
150. **Warren, J.G.** 2009. Role of Carbon in Crop Production. Presented at: No-till Oklahoma Conference. Oklahoma City, OK. 10 Feb.
151. **Warren, J.G.** 2009. Soil Compaction. Presented at: No-till Oklahoma Conference. Oklahoma City, OK. 10 Feb.
152. **Warren, J.G.** 2009. Ripping No-till Soils. Presented at: Tillage 101 Conference, Enid, OK. 29 Jan.
153. **Warren, J.G.** and C.B. Godsey. 2009. Strip-till: Management Considerations to be Successful. Presented at: 2009 FACT Conference, Liberal, KS. 12-13 Jan.
154. **Warren, J.G.** 2008. Soil Structure-The Next Step. Presented at: The FDA SW Region/OSEHP Annual Education Conference. Oklahoma City, OK. 22 Oct.
155. **Warren, J.** 2008. Soil Carbon Sequestration and Carbon Credits. Presented at: Winter Crops School. Stillwater, OK. 17 Dec.
156. **Warren, J.** 2008. Overview of Historic Soil Carbon Research in OK. Presented to: Oklahoma Conservation Commission, Oklahoma Association of Conservation Districts, and Western Farmers Electric Cooperative. Oklahoma City, OK. 24 Oct.
157. **Warren, J.G.**, and S.B. Phillips. 2006. Nutrient management for vegetable production. Presented at: Virginia Beach/Chesapeake Fruit and Vegetable Program. Chesapeake, VA. 14 Feb.

158. **Warren, J.G.**, and S.B. Phillips. 2006. Soil fertility for vegetables. Presented at: Winter Vegetable Short Course. Holland, VA. 1 Feb.
159. **Warren, J.**, and S. Phillips. 2005. Micronutrient fertilization for potato production. Presented at: Annual meeting of the Virginia Irish Potato Board. Painter, VA. 12 January.
160. **Warren, J.G.**, and S.B. Phillips. 2004. Phosphorus status of selected Virginia fields and associated P-index values. Presented at: Eastern Shore Ag Conference. Bell Haven, VA. 6-7 January.
161. **Warren, J.G.**, D.A. Keahey, and S.B. Phillips. 2003. Determination of Nitrogen Availability of Various Poultry Litter Sources. Presented at: Maryland Commodity Classic. Queensland, MD. 24 July.
162. Phillips, S.B., D.A. Keahey, and **J.G. Warren**. 2003. Soil fertility management for potato production. Presented at: UAP Potato Production Meeting. Ocean City, MD. 16 January.
163. **Warren, J.G.**, S.B. Phillips, and G.L. Mullins. 2002. Bioavailability of phosphorus and grain yield when fertilizing field corn with alum-treated poultry litter. Presented at: Eastern Shore Ag Conference. Bell Haven, VA. 8-9 January.
164. **Warren, J.G.**, and G.L. Mullins. 2001. Potential of using alum to reduce the bioavailability of phosphorus in soils amended with poultry litter. Presented at: Mid-Atlantic Crop Management School. Ocean City, MD. 13-15 November.
165. **Warren, J.G.**, and S.B. Phillips. 2001. Changes in the bioavailability of phosphorus in soils and grain yield when fertilizing field corn with alum-treated poultry litter. Presented at: Maryland Commodities Classic. Queenstown, MD. 23 July.

Workshops/Training Presentation:

1. Warren, J.G. 2022. Soil and Water overview. Presented at the Central Plains States CCA exam prep course. Dec. 15.
2. **Warren, J.G.** and H. Zhang. 2022. Soil and Nutrient Management. Presented to the Master Gardeners at Tulsa County Sept. 14, Cleveland County Aug. 19 and Oklahoma County Sept. 13.
3. **Warren, J.G.** 2022. Subsurface Drip irrigation. Presented as part of the Master Irrigators Training Program. Feb. 22.
4. **Warren, J.G.** 2022. Managing Evaporative Water Loss with Irrigation Depth. Presented as part of the Master Irrigators Training Program. Feb. 15.
5. **Warren, J.G.** 2021. Subsurface Drip irrigation. Presented as part of the Master Irrigators Training Program. Jan. 25.
6. **Warren, J.G.** 2021. What is regenerative Agriculture. Presented as part of the PaSS virtual in-service training. May 21.
7. **Warren, J.G.** 2021. Greenhouse gas credits and things to consider. Presented at the virtual CCA training program. Mar. 30.

8. **Warren, J.** 2020. Thinking about irrigated sorghum for 2021. Presented at the monthly PASS in service webinar. Sept. 30.
9. **Warren, J.** 2019. Soil and Water Conservation CCA Training program. Presented at the CCA training program. Stillwater, OK. 18 Dec.
10. **Warren, J.** 2019. The Importance of soil depth in assessing soil Health. Presented at the PaSS in-service webinar. 3 Dec.
11. **Warren, J.,** and H. Zhang. 2019. Soil and nutrient management. Presented at the Master Gardeners training class. Tulsa, OK 2 Oct.
12. **Warren, J.,** and H. Zhang. 2019. Soil and nutrient management. Presented at the Master Gardeners training class. Oklahoma City, OK. 10 Sept.
13. **Warren, J.,** and H. Zhang. 2019. Soil and nutrient management. Presented at the Master Gardeners training class. Ponca City, OK. 3 Sept.
14. **Warren, J.** 2019. Irrigation and N response in corn production. Presented at the PaSS in-service webinar. 29 Apr.
15. **Warren, J.** 2019. Managing for soil health and it assessment. Presented at the Pottawatomie County poultry litter management training program. Shawnee, OK 6 Mar.
16. **Warren, J.** 2018. Soil and Water Conservation CCA Training program. Presented at the CCA training program. Stillwater, OK. 12 Dec.
17. **Warren, J.G.** and H. Zhang. 2018. Soil and Nutrient Management. Presented to the Tulsa County Master Gardner's. Tulsa, OK. 3 Oct.
18. **Warren, J.G.** and D. Marburger. 2018. Wheat – Drought, Freeze, or N deficiency? What is wrong with my wheat? Presented at the Winter Agronomic In-service. Stillwater, OK. 16 Mar.
19. **Warren, J.G.** 2018. Field assessments of soil characteristics. Presented at the Plant, Soil and Water Testing and Interpretations in service training. Stillwater, OK. 15 Feb.
20. **Warren, J.G.** 2018. Soil management for improved water use efficiency in the landscape. Presented at the Water Smart Irrigation Workshop. Oklahoma City. 12 Feb.
21. **Warren, J.** 2017. Soil and Water Conservation CCA Training program. Presented at the CCA training program. Stillwater, OK 11 Dec.
22. **Warren, J.G.** 2017. Soil water and irrigation management. Presented at the Soils in-service training at Perkins. 14 July.
23. **Warren, J.G.** 2017. Evapotranspiration and soil water dynamics. Presented at the Lahoma In-service training. 30 March.
24. **Warren, J.** 2016. Websoil survey and other online soil products. Presented during in-service training. El Reno, OK. 03 Aug., and Shawnee, OK. 04 Aug.
25. **Warren, J.** 2016. What we Know about Cover crops??? Presented during In-Service Webinar. Stillwater, OK. 28 June.
26. **Warren, J.** 2016. Multi-Purpose Crops: A Perspective on Cover Crops. Presented at in-service training webinar. Stillwater, OK. 26 April.

27. **Warren, J.**, A. Stoecker, K. Ramaswamy, R. Jones, J. Campiche, A. Paul, B. Lane, J. Gatlin, D. Sims, and C. Murley. 2016. The Economic Viability of Irrigated Grain Sorghum in the Oklahoma Panhandle Presented at Departmental Seminar. Stillwater, OK. 15 Feb.
28. **Warren, J.**, J. Malone, and E. McGowen. 2015. Locally-Led On-Farm Demonstration: Promoting Soil Health through Successful Farm Management Presented at the NRCS soil health Workshops at Woodward, OK. 23 Mar. Fort Cobb, OK. 24 Mar. Atoka, OK. 25 Mar. Wagner, OK. 25 Mar.
29. **Warren, J.** 2015. Field Assessment of soil characteristics and the websoil survey. Presented at the Soil testing lab in-service training. Stillwater, OK. 17 Feb.
30. **Warren, J.** 2015. Soil and Water Conservation CCA Study Session. Presented at the new CCA training program. Stillwater, OK. 8 Jan.
31. **Warren, J.G.** 2013. What is Soil health??? Presented during the Botanical Garden Ambassador Training Program. Stillwater, OK. 26 July.
32. **Warren, J.** 2013. Youth Education Potential of Land and Homesite Judging. Presented to VoAg Teachers for their in-service training. Stillwater, OK. 4 June.
33. **Warren, J.G.** 2012. Gaseous N losses from no-till cropping systems. Presented at the N. Canadian River Watershed Nutrient Management Workshop. Geary, OK. 29 Nov.
34. **Warren, J.G.** 2012. The websoilsurvey: an excellent source of information. Presented as an in-service training. Stillwater, OK. 15 Aug.
35. **Warren, J.G.** 2011. Soil Conservation. Presented by the National Guard Agriculture Development Team in Afghanistan.
36. **Warren, J.G.** 2011. Understanding soil productivity. Presented as part of the Soil Productivity In-service training provided as a webinar. 14 July.
37. Wilson, T., and **J.G. Warren.** 2011. Carbon Cycling in Perennial Biofuel Management Systems. Presented as part of the Switchgrass Production in-service Program. Stillwater, OK. 9 June.
38. **Warren, J.G.** 2011. Soil Carbon Sampling. Presented at the OACD Verifiers Training Workshop. Midwest City, OK. 1 Mar.
39. **Warren, J.G.** 2011. Soil Profiling for On-site Waste Water Treatment. Oklahoma DEQ Soil Profilers Training. Oklahoma City, OK. 11 May.
40. **Warren, J.G.** 2010. Websoilsurvey. Presented as part of the Websoilsurvey In-Service Training at Claremore, OK. 16 Nov., Ada, OK. 17 Nov., Enid, OK. 18 Nov., and Cordell, OK. 17 Dec.
41. **Warren, J.G.** 2010. Soil quality: physical properties and water. Presented as part of the Soil Quality In-Service Training program. Muskogee, OK. 13 Apr., Camanche, OK. 15 Apr., Pontotac, OK. 20 Apr., and Enid, OK. 29 Apr.
42. **Warren, J.G.**, 2010. Land judging in Oklahoma. Presented as part of the Land judging in Oklahoma In-service Training Program. Stillwater, OK. 3 June.

43. **Warren, J.G.** 2009. Soil in the waste renovation process. Presented at: On-site wastewater training for tribal environmental programs. Stroud, OK. 21 Oct.
44. **Warren, J.G.** 2009. Soil Profiling for On-site Waste Water Treatment. Oklahoma DEQ Soil Profilers Training. Oklahoma City, OK. 2 Sept.
45. **Warren, J.G.** 2009. Soil Compaction. Presented at: Osage County Soybean Production and No-till Workshop. Fairfax, OK. 1 Apr.
46. **Warren, J.G.** 2009. Scenarios that alter Poultry Litter Nutrient Availability from the Norm. Presented as part of the Poultry Waste Management Continuing Education Classes at Miami, OK. 26 Mar., Muskogee, OK. 14 Apr., Idabel, OK. 4 June, Tahlequah, OK. 7 Jul., and Stillwater, OK. 30 Sept.

Also Presented by

- a) Bob Woods in Eufaula, OK. 5 Nov.
 - b) Travis Hanks in Seminole, OK. 6 Oct.
 - c) Chris Rice in Antlers, OK. 15 Oct., and in Stigler, OK. 29 Oct.
47. **Warren, J.G.** 2009. What is soil carbon sequestration? The link to conservation management. Presented at: Oklahoma Carbon Program Carbon Offset Verifier Training. Midwest City, OK. 24 Feb.
 48. **Warren, J.G.** 2009. Significance of Soil Organic Matter with Regard to Tillage, Carbon Credits, and Soil Quality. Presented at: Soil testing in-service training. Stillwater, OK. 19 Feb.
 49. **Warren, J.G.** 2009. Soil Carbon Sequestration and Carbon Credits. Presented at: NW Educators Training. Enid, OK. 15 Jan.

Field Day Demonstrations/Tours:

1. **Warren, J.G.** 2022. Soil Health Assessment Tools. Presented at the Fall Soil Health Training. Sept. 1.
2. **Warren, J.G.** 2022. Greenhouse Gas Emissions from Cropping Systems. Presented at the Caddo Peanut and Cotton Field Day. Sept. 15.
3. **Warren, J.G.** 2022. Irrigation Management. Presented at the McCaull Sorghum Field Day Aug. 24, and Tipton Sorghum Field Day Aug. 26.
4. **Warren, J.G.** 2022. Water Requirements for Wheat. Presented at the Alfalfa County Wheat Tour May 9, and the Beaver County Wheat tour May 24.
5. **Warren, J.G.** 2021. Soybean water use. Presented at the Ottawa County soybean tour. Aug. 27.
6. **Warren, J.G.** 2021. Corn and cotton testing ag performance solutions. Presented at the McCaull research and demonstration farm field tour. Sept. 2.
7. **Warren, J.G.** 2020. Subsurface Drip irrigation of cotton. Presented at the Altus research Station Field day. Aired on zoom 24 Sept.

8. **Warren, J.G.** 2019. Irrigation Scheduling for Cotton. Presented at the Oklahoma Panhandle Research and Extension Center field day. Goodwell, OK. 11 Sept.
9. **Warren, J.G.** 2019. Irrigation Scheduling for Corn. Presented at the McCaull Research and Demonstration Field Day. Eva, OK. 16 Aug.
10. **Warren, J.G.** 2019. Terrace maintenance. Presented at the Lahoma Wheat Field Day. Lahoma, OK. 10 May.
11. **Warren, J.G.** 2018. Irrigation technology demonstration farm. Presented at the McCaull Research and Demonstration Farm Tour. 6 Sept.
12. **Warren, J.G.** 2018. Soil water relationships in wheat systems. Presented at the Lahoma Field day. 11 May.
13. **Warren, J.G.** 2017. Soil Health Dynamics. Presented at the Payne County Pasture Tour. Stillwater, OK. 9 June.
14. **Warren, J.** 2017. Inherent soil productivity. Presented at the Lahoma Wheat Field Day. Lahoma, OK. 12, May.
15. **Warren, J.** 2017. No-till crop rotations. Presented at field tour in Harper county. Buffalo, OK. 10 May.
16. **Warren, J.G.** 2017. Winter cover crops and soil health management. Presented at the Ottawa County soil health tour. Afton, OK. 29 March.
17. **Warren, J.** 2016. Field Tour of Oklahoma Panhandle Research and Extension Center. Presented to ODAFF and the Secretary of Agriculture. Goodwell, OK. 19 Oct.
18. **Warren, J.** 2016. Potential Use of cover crops in a semi-arid climate. Presented at the Texas Co. Cover Crop and Soil Health Tour. Guymon, OK. 31 Aug.
19. **Warren, J.** 2016. Intensive cropland grazing with wheat and crabgrass tour as part of the Cow Calf Boot Camp. Stillwater, OK. 07 June
20. **Warren, J.** 2016. Soil health characteristics and cover crops. Presented at the Wheat field day. Lahoma, OK. 13 May.
21. **Warren, J.** 2016. Residue management for canola production. Presented at the Major Co. Canola Tour. 20 Apr. and Ottawa Co. Canola Tour. 25 Apr.
22. **Warren, J.** 2016. Summer cover crops as alternative forage resources. Presented at the Jefferson County Cover Crop Tour. Warika, OK. 30 Aug.
23. **Warren, J., D. Sims, and C. Murley.** 2015. Alternative planting strategies for sub-surface drip. Presented at the Fall Crops Tour. Goodwell, OK. 21 Aug.
24. **Warren, J., B. Jones, and E. McGowen.** 2015. Rainfall simulation demonstration. Presented at the Wheat field day. Lahoma OK. 8 May.
25. **Warren, J. and B. Jones.** 2015. Residue Management Options for Canola. Presented at the Major County Canola field tour. Fairview, OK. 16 Apr.
26. **Warren, J.** 2014. Grazing cover crops and potential implications for crop insurance Presented at the Cover Crop Field Day. Lahoma, OK. 26 Aug.

27. Meeks, K., and **J. Warren**. 2014. Cover crops in forage-based systems. Presented at the Cover Crop Field Day. Lahoma, OK. 26 Aug.
28. Wilson, T., and **J. Warren**. 2014. – Cover crops in canola/wheat rotations. Presented at the Cover Crop Field Day. Lahoma, OK. 26 Aug.
29. Gatlin, J., and **J. Warren**. 2014. Subsurface Drip Technology & Research. Fall Crops Tour. Goodwell, OK. 13 Aug.
30. **Warren, J.** 2014. Subsurface Drip Irrigation. Sorghum Tour. Goodwell, OK. 25 July.
31. **Warren, J.** 2014. Cover Crop Systems. Presented at the Wheat Field Day. Lahoma OK. 9 May.
32. **Warren, J.** and R. Taylor. 2014. Long-term No-till and Cover Crops. No-Till on the Plains Bus Tour. Stillwater, OK. 6 Aug.
33. Wilson, T., K. Meeks, and **J. Warren**. 2013. Managing cover crops in a wheat rotation. Presented at the Cover Crop Field Day. Lahoma, OK. 29 Aug.
34. **Warren, J.**, T. Wilson, and K. Meeks. 2013. Potential Benefits of rotating cover crops with Wheat Presented at the N. Canadian River Watershed EPA 319 Project Field Tour. Canadian County, OK. 1 Aug.
35. **Warren, J.**, A. Mullock, and T. Wilson. 2013. Grazing No-till Wheat Presented at the N. Canadian River Watershed EPA 319 Project Field Tour. Canadian County, OK. 1 Aug.
36. K. Meeks and **J. Warren**. 2013. Relay crops and cover crops in rotation with wheat. Presented at the Lahoma Wheat Tour. Lahoma, OK. on 10 May.
37. **Warren, J.G.** 2012. What is drilling Mud. Presented at the Drilling Mud field tour in Ellis County. 22 June.
38. **Warren, J.G.** 2012. Organic matter management. Presented at the North Central Oklahoma Research Station Wheat Tour. Lahoma, OK. 18 May.
39. **Warren, J.G.** and J.Malone. 2012. Coordinated a Sustainable Ag Farm tour in North West Oklahoma as part of the SARE PD program. 22 May.
40. **Warren, J.G.** and J. Malone. 2012. Coordinated a tour to the Kerr center as part of the SARE PD program. Poteau, OK. 29 May.
41. **Warren, J.G.** 2012. First Annual Land Judging Summer field Day. Stillwater, OK 20 July.
42. **Warren, J.G.** 2011. Controlled Traffic Farming. Presented at the Ag Technology Field Day. Kingfisher, OK. 26 July.
43. **Warren, J.G.** 2011. Compaction and Tillage. Presented at the North Central Oklahoma Research Station Wheat Tour. Lahoma, OK. 13 May.
44. **Warren, J.G.** 2011. Soil carbon sequestration and compaction in grazed no-till systems. North Canadian Ecosystems service project field day. Geary, OK. 8 Dec.

45. Penn, C.J., and **J.G. Warren**. 2010. Using industrial by-products for improving water quality. Demonstration tours at Stillwater Country Club. Stillwater, OK. 13 and 20 Sept, and 13 Dec.
46. **Warren, J.G.** 2010. Subsurface drip irrigation. Presented at: Fall Crops Tour. Goodwell, OK. 2 Sept.
47. **Warren, J.G.**, and A. Patrigani. 2010. Soil water storage during fallow. Presented at: Expanding the Rotation: Sesame, Sunflowers, Soybeans, and Sorghum. Lahoma, OK. 18 Aug.
48. **Warren, J.G.** 2010. Soil quality in no-till rotations. Presented at: 2010 North Central Oklahoma Research Station Wheat Tour. Lahoma, OK. 14 May.
49. **Warren, J.G.** S. Lancaster. 2009. Soil is Nature's Water Filter. Presented at: H2O Oklahoma Festival. Stillwater, OK. 23 Oct.
50. **Warren, J.G.** 2009. Beneath your feet. Presented at: Kids field day. Stillwater, OK. 30 Apr.
51. **Warren, J.G.** 2009. Deep tillage for wheat production. Lahoma field tour. Lahoma, OK. 15 May.
52. **Warren, J.G.** 2009. Ridge till planted corn and wheat. Presented at Ottawa Co. Tillage field day. Miami, OK. 28 May.
53. **Warren, J.G.** 2009. Soil Carbon Sequestration. Presented at: Noble County Canola field tour. 28 Apr.
54. **Warren, J.G.**, K.R. Sistani, and D.A. Mays. 2007. Poultry litter application rates and times for field corn production. Presented at: Poultry Litter & Precision Agriculture Field Day, Crossville, AL. 23 Oct.
55. **Warren, J.G.**, and S.B. Phillips. 2005. Variable rate nitrogen management on corn. Presented at: 4-Rivers Corn/Soybean Field Day. Charles City County, VA. 18 Aug.
56. **Warren, J.G.**, and S.B. Phillips. 2005. Variable rate nitrogen management on corn. Presented at: Northern Neck Crop Field Day. Westmoreland County, VA. 29 Aug.
57. **Warren, J.G.**, and S.B. Phillips. 2004. Sensor-based technologies for nitrogen fertilizer management. Presented at: 4-Rivers Corn/Soybean Field Day. Charles City County, VA. 23 Aug.
58. **Warren, J.G.**, and S.B. Phillips. 2004. Sensor-based technologies for nitrogen fertilizer management. Presented at: Northern Neck Crop Field Day. Westmoreland County, VA. 18 Aug.
59. **Warren, J.G.**, S.B. Phillips, and G.L. Mullins. 2002. The phosphorus-index on the Eastern Shore. Presented at: Eastern Shore AREC Annual Research Field Day. Painter, VA. 30 June.
60. **Warren, J.G.**, S.B. Phillips, and G.L. Mullins. 2001. Alum-treated poultry litter as a nutrient source for corn grain production. Presented at: Eastern Shore AREC Annual Research Field Day. Painter, VA. 24 June.

Multi-media Presentations (125,657 views):

Warren_Vita 46

1. **Warren, J.G.** and R. Taylor. Changes in Oklahoma Tillage. 19 Feb. 2022. Available on line at <https://www.youtube.com/watch?v=Hx0W-afh4PQ> has 224 views as of 2 Dec. 2022.
2. **Warren, J.G.**, J. Weir, and B. Arnall. 2019. Is burning wheat stubble a good idea. 22 June. Available online at: <https://www.youtube.com/watch?v=OCtxfLWXqcQ> has 189 views as of 25 Oct. 2019.
3. **Warren, J.G.** 2019. Irrigation efficiency research in Oklahoma panhandle. 13 July. Available online at: <https://www.youtube.com/watch?v=zXozNQem5e8> has 333 veiw as of 25 Oct. 2019.
4. **Warren, J.G.** and G. Harman. 2019. Flooding and crops. 26 May. Available online at <https://www.youtube.com/watch?v=5jBYn5bPbRo> has 147 views on youtube as of 25 Oct. 2019.
5. **Warren, J.G.** 2019. Measuring soil moisture. 16 March. Available online at <https://www.youtube.com/watch?v=paJKonkZNC> has 80 views on youtube as of 25 Oct. 2019.
6. **Warren, J.G.** 2018. Soil layers & how water moves through them. 3 Nov. Available online at: <https://www.youtube.com/watch?v=5FhL2S-Euno> has 251 views on youtube as of 25 Oct. 2019.
7. **Warren, J.G.** 2018. Retaining soil moisture. Interviewed for sunup 19 May. Available online at: <https://www.youtube.com/watch?v=E6LoHPCXGIU> has 141 views on youtube as of 25 Oct. 2018.
8. **Warren, J.G.** 2017. Soil and slopes impact productivity. Interviewed for sunup 10 June. Available online at: https://www.youtube.com/watch?v=-ei2f_KiJrI has 52 views on youtube as of 25 Oct. 2018.
9. **Warren, J.G.** 2017. Grazing cropping systems in Oklahoma, Webinar. Available online at: <https://www.youtube.com/watch?v=iG6h2o7wu98&t=2s> has 2375 views on youtube as of 25 Oct. 2019.
10. **Warren, J.** 2016. Lahoma 2016 Soil Health in the field. Interviewed for Sunup on 13 May. On-line at: <https://www.youtube.com/watch?v=NrtZcMeBtag> has 64 views on youtube as of 25 Oct. 2019.
11. **Warren, J.** 2015. Soil Compaction. Interviewed for Sunup on 14 November. On-line at: https://www.youtube.com/watch?v=F0YLMaUa_Dk has 249 views on youtube as of 25 Oct. 2019.
12. **Warren, J.** 2015. Grazing Research: Managing Soils. Interviewed for Sunup on 17 Oct. On-line at: <https://www.youtube.com/watch?v=JIRj2Cacmvo> has 185 views on youtube as of 25 Oct. 2019.
13. **Warren, J.** 2015. Is it better to conventional till? Interview for Sunup on 27 June. On-line at: <https://www.youtube.com/watch?v=NyoLhr1DZKI> has 210 views on youtube as of 25 Oct. 2019.

14. **Warren, J.** 2015. No-till soil after Rain. Interview for Sunup on 23 May. On-line at: <https://www.youtube.com/watch?v=jUNZGiRPD9Q> has 3689 views on youtube as of 25 Oct. 2019.
15. **Warren, J.** 2015. 2015 No-Till Conference. Interviewed for Sunup. On 21 Feb. On-line at: <https://www.youtube.com/watch?v=MDjQyvNCB3c> received 170 views on youtube as of 25 Oct. 2019.
16. **Warren, J.** 2014. Building Healthier Soils. Interviewed for Oklahoma Gardening on 6 Sept. On-line at: <https://www.youtube.com/watch?v=vqO33GfIx3o> has received 6407 views on youtube as of 25 Oct. 2019.
17. **Warren, J.** 2014. Organic Matter and Nutrition. Interviewed for Oklahoma Gardening on 6 Sept. On-line at: <https://www.youtube.com/watch?v=PpVGTfx0R6c> has received 11503 views on youtube as of 25 Oct. 2019.
18. **Warren, J.** 2014. Cattle Grazing Interviewed for Sunup on 2 Aug. On-line at: <https://www.youtube.com/watch?v=dqksxKgMRNs> has received 6179 views on youtube as of 25 Oct. 2019.
19. **Warren, J.** 2013. Sustainable Agriculture Research and Extension (SARE) grant programs. Interview for Sunup segment on 21 Sept. On-line at: <http://www.youtube.com/watch?v=jAEtDWB7GZ0> Has received 165 views on Youtube as of 25 Oct. 2019.
20. **Warren, J.** 2013. Cover Crops. Interview for Sunup segment on 21 Sept. On-line at: <http://www.youtube.com/watch?v=scjb9HJMN4E> Has received 326 views on Youtube as of 25 Oct. 2019.
21. Meeks, K., and **J. Warren.** 2013. Cover Crops at the Lahoma Wheat Tour. Interview for Sunup segment on 8 June. On-line at: <http://www.youtube.com/watch?v=MwMmAfodNQc> Has received 291 views on Youtube as of 25 Oct. 2019.
22. **Warren, J.G.** 2012. Discusses the return of the Dust Bowl and modern Conservation Practices. Interview for OETA. Aired on Nov. 18.
23. **Warren, J.G.** 2012. Dust Bowl. Interview for Sunup segment on 17 Nov. On-line at: <http://www.youtube.com/watch?v=iEftAsDNw1c> Has received 234 views on Youtube as of 25 Oct. 2019.
24. **Warren, J.G.** 2012. Cover Crops. Interview for Oklahoma Gardening segment on 25 Oct. 2019.
25. **Warren, J.G.** 2012. Soil Composition and Water Holding Capacity. Interview for Oklahoma Gardening segment on 5 May. On-line at: <https://www.youtube.com/watch?v=xO48IbeuiPM&feature=plcp> Has received 12,085 views on Youtube as of 25 Oct. 2019.
26. **Warren, J.G.** 2012. Soil Compaction. Interview for Sunup Segment on 21 Apr. On-line at: <https://www.youtube.com/watch?v=ZpiDwet7ZS8&feature=plcp> Has received 220 views on Youtube as of 25 Oct. 2019.

27. **Warren, J.G.** 2011. EQIP Program. Interviewed for Sunup segment on 1 May. On-line at: <https://www.youtube.com/watch?v=JH8DU0ojK4s> Has received 462 views on Youtube as of 25 Oct. 2019.
28. **Warren, J.G.** 2011. Soil and Drought. Interviewed for Sunup segment on 26 Sept. On-line at: <https://www.youtube.com/watch?v=B91sHN34np8> Had received 469 views on Youtube as of 25 Oct. 2019.
29. **Warren, J.G.** 2011. Maintaining terraces for no-till. Interviewed for Sunup segment on 15 Jan. On-line at: <https://www.youtube.com/watch?v=rkujkNTZMeU> Has received 611 views on Youtube as of 25 Oct. 2019.
30. **Warren, J.G.** 2010. Soil moisture differences in no-till crops. Interviewed for Sunup segment on 18 Aug. On-line at: <https://www.youtube.com/watch?v=0C2a1JCU6pA> Has received 1769 views on Youtube as of 25 Oct. 2019.
31. **Warren, J.G.** 2010. Farming in raised beds. Interviewed for Sunup segment on 7 July. On-line at: <https://www.youtube.com/watch?v=BgwKbxgiZls> Has received 337 views on Youtube as of 25 Oct. 2019.
32. **Warren, J.G.** 2010. Tips on fixing ruts in the field or pasture. Interview for Sunup segment on 30 Mar.
33. **Warren, J.G.** 2009. No-Till=Better Soil. Interviewed for Sunup segment on 18 Dec. On-line at: https://www.youtube.com/watch?v=I_7d0h2bSoY Has received 76,464 views on Youtube as of 25 Oct. 2019.
34. **Warren, J.G.** 2009. The benefits of swine effluent and poultry litter as a fertilizer. Interviewed for Sunup Segment on 13 Oct. Has received 124 views on Youtube as of 15 Dec. 2010.
35. **Warren, J.G.** 2009. Field Ripping. Interviewed for Sunup segment on 30, May.
36. **Warren, J.G.** 2009. Land Judging in Oklahoma. Interviewed for Sunup segment on. 5 May.
37. **Warren, J.** 2008. No-till Farming. Presented to Audience of Sunup aired on OETA. 29 Nov.

Conference Abstracts:

1. Monteza, R., and **J.G. Warren**. 2022. Impact of inherent soil properties on crop performance at field scale. ASA-CSSA-SSSA Annual Meeting. Baltimore MD. Available at <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/145417>
2. Flusche-Ogden, G. A. Thelin, **J.G. Warren**, and M.R. Manuchehri. 2022. Managing tumble windmill grass with sweep tillage. SA-CSSA-SSSA Annual Meeting. Baltimore MD. Available at <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/145226>
3. Tomlinson, P.J. K. Gehl, **J.G. Warren**, and L.A. Haag. 2022. Lessons learned from chamber-based nitrous oxide emissions in studies examining the intersection of nitrogen management and cropping systems in contrasting climates. ASA-CSSA-SSSA Annual Meeting. Baltimore MD. Available at <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/143903>

4. Sharma, S. and **J.G. Warren**. 2022. Irrigation distribution strategies between corn and grain sorghum under limited well capacities. ASA-CSSA-SSSA Annual Meeting. Baltimore MD. Available at <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/145428>.
5. Cannon, B., **J.G. Warren**, S. Byrd, and S. Sharma. 2022. Irrigation role in influencing cotton development and contribution to yield. ASA-CSSA-SSSA Annual Meeting. Baltimore MD. Available at <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/145123>
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TEACHING ACTIVITIES

Courses Taught:

- SOILS 5110, Cropland Irrigation Management. Fall 2014
- SOILS 4463, Soil and Water Conservation and Management Spring 2012.

Mentorship of Student Organizations:

- Serve as co-advisor for the OSU Student Chapter of the Soil and Water Conservation Society, 2011-2019
- Collegiate soil judging coach. 2018-present

Undergraduate Student Research Mentorship:

- 27 undergraduates mentored in conducting research projects, resulting in 8 student presentations at scientific meetings.
- 3 freshmen research scholars mentored, 2021-Present.