

Mark S. Reiter

Director, Professor, Extension Specialist
Eastern Shore Agricultural Research and Extension Center
School of Plant and Environmental Sciences
Virginia Polytechnic Institute and State University
33446 Research Drive, Painter, VA 23420
Mobile Phone: (757) 693-2556
Email address: mreiter@vt.edu

Faculty Website: <https://www.ares.vaes.vt.edu/ares/eastern-shore/people/reiter-bio.html>

Education and Training

2008	Ph.D.	University of Arkansas	Crop, Soil & Environmental Sciences
2007	---	* Ghent University, Belgium	Soil Fertility
2003	M.S.	Auburn University	Agronomy and Soils
2001	B.S.	Virginia Tech	Crop and Soil Environmental Sciences

*Bio-Renewable Resources Technology exchange as part of Ph.D. program.

Research and Professional Experience

2021-Present	Professor, School of Plant and Environmental Sciences (SPES), Virginia Tech
2014-2021	Associate Professor, School of Plant and Environmental Sciences, Virginia Tech
2008-2014	Assistant Professor, Crop and Soil Environ. Sciences (CSES), Virginia Tech
2004-2009	Senior Graduate Assistant, Crop, Soil & Environ. Sciences, Univ. of Arkansas
2002-2003	Graduate Teaching Assistant, Agronomy and Soils, Auburn University
2001-2002	Graduate Research Assistant, Agronomy and Soils, Auburn University

Current Appointment

50% Applied Research and 50% Extension; Calendar Year (12-month)

Leadership/Service to University

2020-Present Director, Eastern Shore Agric. Res. and Extension Ctr. (ESAREC), Virginia Tech

- Ensure ESAREC trajectory and vision align with Virginia Agricultural Experiment Station and Virginia Tech's strategic priorities, core values, and the land grant mission.
- Manage all aspects of a 220-acre experiment station that includes:
 - Liaison to campus administration
 - Special project budgetary management for equipment purchase, facility maintenance, and capital improvements (~\$30 million)
 - Budgetary decisions for routine operations (~\$150,000/year)
 - Hire, train, review, and mentor on-site tenure track faculty
 - Hire, review, and mentor on-site staff
 - Ensure ESAREC remains in compliance with legal, fiscal, and values mandated by Virginia Tech and our land grant system
- Maintain working relationship with local and Virginia-wide stakeholders including farmers, commodity groups, legislatures, our ESAREC Advisory Board, government agencies, on-campus faculty and staff, and other pertinent stakeholders.

2024-2027 SPES Voting Member, College Promotion and Tenure Committee, College of Agriculture and Life Sciences, Virginia Tech

2014-2024 Elected Member (for 6 years), Department/School Promotion and Tenure Committee, CSES/SPES, Virginia Tech

Leadership to Profession

2024-Present, Past-President, International Soil Tillage Research Organization
2024-Present, Chair, Operations Committee, Southern Cover Crops Council
2022-Present, Junior District Director, Virginia Association of Agricultural Extension Agents
2022-2024, President, International Soil Tillage Research Organization
2019-2022, Vice-President, International Soil Tillage Research Organization
2021, Past-President, Southern Cover Crops Council
2020, President, Southern Cover Crops Council
2019, Vice-President, Southern Cover Crops Council
2017-2019, Treasurer, Southern Cover Crops Council
2015-2016, President, Southern Branch-American Society of Agronomy (SB-ASA)
2014-2015, Community Leader, By-Product Gypsum Uses in Agriculture Community, ASA
2013-2014, Vice Leader, By-Production Gypsum Uses in Agriculture Community, ASA
2014-2015, Vice-President, Southern Branch-American Society of Agronomy
2013-2014, Secretary/Treasurer, Southern Branch-American Society of Agronomy
2009-2010, Chairman, Southern Extension/Research Activity-Information Exchange Group-20
2006-2007, President, Graduate Student Association, Univ. of Arkansas
2000-2001, President, Agronomy Club of Virginia Tech
1998-2000, Treasurer, Agronomy Club of Virginia Tech

Leadership Training

2026. Food Systems Leadership Institute (FSLI). Cohort 21. A two-year series of workshops, personnel coaching, and leadership development focused on core leadership competencies and three complementary threads: individual leadership; leading change within organizations; and understanding and influencing complex, diverse food systems.

2020. Academic Leadership Program for Department Heads, Virginia Tech. A semester-long series of workshops designed for new and aspiring academic leaders for our university.

2019. LEAD21. Leadership for the 21st century to develop leaders in land grant institutions and their strategic partners who link research, academics, and extension in order to lead more effectively in an increasingly complex environment. Focused on many components necessary for leading research programs, graduate students, undergraduate teaching, and similar.

2017. New Faculty Leader Training: Study Abroad. Training to take undergraduate students to a foreign country. Office for Global Education, Virginia Tech.

2016. Academic Leadership Program, Virginia Tech. A semester-long series of networking and learning workshops designed for new and aspiring academic leaders.

Honors and Awards

2024. Alumni Award for Excellence, Extension Specialist/Administrator, Virginia Tech, Blacksburg, VA.

2024. Co-author (Keren Brooks lead, Ph.D. graduate from my program) and Finalist for “Paper of the Year” and Top Cited Article for 2022, *Soybean yield response to sulfur and nitrogen additions across diverse US environments*, Agronomy Journal, Madison, WI.

- 2024. Outstanding Alumni in the Global Community Award, School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA.
- 2023. Andy Swiger Land-Grant Award, College of Agriculture and Life Sciences, Virginia Tech, Blacksburg, VA.
- 2023. Co-author on Top Cited Article for 2021-2022, *Carbon-sensitive pedotransfer functions for plant available water*, Soil Science Society of America Journal, Madison, WI.
- 2021. Team Award, Edamame Advancement Team (EAT), College of Agriculture and Life Sciences, Virginia Tech, Blacksburg, VA.
- 2020. Diversity and Inclusion Service Award, College of Agriculture and Life Sciences, Virginia Tech, Blacksburg, VA.
- 2018. First place for Applied Research poster category. Virginia Cooperative Extension, Blacksburg, VA.
- 2017. National Distinction Award, Virginia Tech, Blacksburg.
- 2016. Early-Career Award in Research. Awarded by the Southern Branch of the American Society of Agronomy, Madison, WI.
- 2016. Program Excellence Award, Outreach and Extension. Awarded by Virginia Cooperative Extension, Blacksburg.
- 2015. Early Career Professional Award. Awarded by the Soil Science Society of America, Madison, WI.
- 2013. American Society of Agronomy (ASA) Extension Excellence Award. Publications >16 pages. Holshouser, D.L., D.A. Herbert, P.M. Phipps, and M.S. Reiter. 2012. *Troubleshooting the soybean crop*. Virginia Cooperative Extension, Blacksburg, VA. Awarded by ASA, Madison, WI.
- 2011. Outstanding Research Partner for Virginia. Awarded by the Virginia Association of Resource Conservation and Development Councils, Charlottesville, VA.
- 2009. Outstanding Extension Publication Award. Rideout, S.L., M.S. Reiter, J.H. Freeman, et. al. 2009. *Southeastern Vegetable Crop Handbook - 2009*. J.M. Kemble and G.J. Holmes (eds). Southeastern Vegetable Extension Workers. Vance Publication Corporation, Lincolnshire, IL. Awarded by the American Society for Horticultural Science, Alexandria, VA.

Courses Taught (*Graduate Student)

- Agronomic Topics in the Mid-Atlantic, Course lead, Graduate level, CSES 5444, School of Plant and Environmental Sciences, Taught Spring 2018, 2019, 2020, 2021, 2022, 2023, 2024, and 2025.
- Connect and Serve Communities Abroad: Study Abroad South Africa, Co-taught with A. Abaye and P. Ziegler, Undergraduate level, CSES 3954, School of Plant and Environmental Sciences, Taught Wintermester 2023/24 and 2024/2025.
- A Focus on Food Security, Wildlife, and Conservation: Study Abroad South Africa, Co-taught with A. Abaye, Undergraduate level, CSES 3954, School of Plant and Environmental Sciences, Taught Wintermester 2017/18, 2018/19, 2019/20, and 2022/23.
- Study Away: Mississippi and Memphis, Co-taught with A. Abaye, P. Ziegler, and T. Badon*, Undergraduate level, CSES 3954, School of Plant and Environmental Sciences, Spring 2023.
- Crops Judging and Agronomy Tour: Australia, Co-taught with A. Abaye, Graduate level, CSES 5974, School of Plant and Environmental Sciences, Taught Fall 2022.

Study Away: California and Arizona, Co-taught with A. Abaye, P. Ziegler, and J. Haymaker*, Undergraduate level, CSES 3954, School of Plant and Environmental Sciences, Taught Spring 2022.

Study Away: Arkansas, Co-taught with A. Abaye, Undergraduate level, CSES 3954, School of Plant and Environmental Sciences, Taught Spring 2021.

Postdoctoral Associates Mentoring (Total as Advisor: 2)

Haymaker, Joseph, 2024-Present, Co-Chaired with Ryan Stewart, School of Plant and Environmental Sciences, Virginia Tech

Lopez, Lorena, 2021-2024, Co-Chaired with Tom Kuhar, Dept. of Entomology, Virginia Tech

Graduate Student Mentoring (Major Advisor; Total as Advisor: 14 M.S.; 8 Ph.D.; Committee member: 24 M.S.; 16 Ph.D.)

Major Advisor:

Damascene, Jean, 2022-Present, Ph.D., Sokoine Univ. and Virginia Tech Tripartite Agreement

Shuman, Nicole, 2022-Present, M.S., Crop & Soil Environ. Sciences, Virginia Tech

Hinton, Leslie Anne, 2018-Present, OMALS, Plant Science and Pest Management, Virginia Tech

Ubben, William, 2025-Present, M.S., Crop & Soil Environ. Sciences, Virginia Tech

Lipford, Mary Michael, 2022-2024, M.S., Crop & Soil Environ. Sciences, Virginia Tech

Badon, Thomas, 2020-2024, Ph.D., Crop & Soil Environ. Sciences, Virginia Tech

Haymaker, Joseph, 2020-2024, Ph.D., Crop & Soil Environ. Sciences, Virginia Tech

Menaker, Morgan, 2022-2023, OMALS, Plant Science and Pest Management, Virginia Tech

Harrison, Sarah, 2017-2023, OMALS, Environmental Sciences, Virginia Tech

Brooks, Keren, 2018-2022, Ph.D., Crop & Soil Environ. Sciences, Virginia Tech

Lancaster, Caroline, 2017-2021, M.S., Crop & Soil Environ. Sciences, Virginia Tech

Lawton, Nathaniel, 2017-2020, OMALS, Plant Sciences and Pest Management, Virginia Tech

Mason, John, 2013-2020, OMALS, Environmental Science, Virginia Tech

Motley, Natalie, 2018-2020, OMALS, Environmental Sciences, Virginia Tech

Ervin, Clara, 2016-2019, Ph.D., Crop & Soil Environ. Sciences, Virginia Tech

Swoish, Michael, 2016-2019, Ph.D., Crop & Soil Environ. Sciences, Co-Advisor: W. Thomason

Wolters, Bethany, 2015-2019, Ph.D., Crop & Soil Environ. Sciences, Virginia Tech

Broadus, Michael, 2014-2017, OMALS, Plant Sciences and Pest Management, Virginia Tech

Deitch, Ursula, 2013-2016, OMALS, Environ. Sciences, Virginia Tech

Middleton, Amanda, 2013-2015, M.S., Crop & Soil Environ. Sciences, Virginia Tech

Stewart, Anna-Beth, 2013-2015, M.S., Crop & Soil Environ. Sci., Co-Advisor: D. Holshouser

Fleming, Catherine, 2009-2013, Ph.D., Crop & Soil Environ. Sciences, Virginia Tech

Committee Member:

Brar, Akashdeep, Ph.D. (Current; PPWS, Advisor: V. Singh)

Esmailbeiki, Fatemeh, Ph.D. (Current; PPWS, Advisor: V. Singh)

Irby, Robert, OMALS (Current; CSES, Advisor: D. Reed)

Wolcott, Caroline, Ph.D. (Current; CSES, Advisor: R. Stewart)

Arinaitwe, Unius, Ph.D. (Dec. 2024; CSES, Advisor: W. Frame)

Joyner, Qudre, OMALS (Dec. 2024; CSES, Advisor: J. Galbraith)

Lee, Michelle, OMALS (Dec. 2023; CSES, Advisor: J. Oakes)

Sias, Cynthia, Ph.D. (Dec. 2023; PPWS, Advisor: M. Flessner)

Suero, Alexis, M.S. (Dec. 2023; HORT, Advisor: E. Torres Quezada)
 Ghimire, Soni, M.S. (May 2023; CSES, Advisor: R. Maguire)
 Pokhrel, Sapana, Ph.D. (May 2023; CSES, Advisor: R. Maguire)
 Kumar, Vipin, M.S. (Dec. 2022; PPWS, Advisor: V. Singh)
 Ofori, Bright, Ph.D. (Dec. 2022; CSES, Advisor: W. Frame)
 Sutton, Kemper, Ph.D. (Dec. 2022; ENT, Advisor: T. Kuhar and S. Rideout)
 Burns, Pamela, OMALS (May 2022; CSES, Advisor: L. Daniels)
 Mott, Joshua, Ph.D. (May 2022; CSES, Advisor: R. Maguire and A. Abaye)
 Garcia-Gonzalez, Jose, Ph.D. (May 2021; PPWS, Advisor: S. Rideout)
 Poskaitis, Megan, OMALS (May 2021; CSES, Advisor: W. Thomason)
 Lilley, Dylan, OMALS (May 2020; CSES, Advisor: D. Holshouser)
 Jones, R. Trent, OMALS (Dec. 2019; CSES, Advisor: W. Thomason)
 Acharya, Tej, M.S. (Dec. 2018; HORT, Advisor: R. Arancibia)
 Baxter, Abigail, Ph.D. (Dec. 2018; CSES, Advisor: R. Maguire)
 Das, Sanghamitra, Ph.D. (Dec. 2018; HORT, Advisor: J. Samtani)
 Goff, Lauren, OMALS (Dec. 2018; CSES, Advisor: O. Abaye)
 Schmidt, Alexandria, OMALS (Dec. 2018; CSES, Advisor: W. Frame)
 Wright, Mallorie, OMALS (Dec. 2018; CSES, Advisor: W. Thomason)
 Taggart, Samantha, OMALS (Dec. 2017; HORT, Advisor: R. Arancibia)
 Drame, Marieme, M.S. (May 2016; CSES, Advisor: W. Thomason)
 Brosch, Christopher, OMALS (Dec. 2015; CSES, Advisor: D. Sample)
 Brown, Austin, M.S. (May 2015; CSES, Advisor: W. Frame)
 Hunolt, Alicia, Ph.D. (May 2015; CSES, Advisor: R. Maguire)
 Norris, Robert, M.S. (Dec. 2014; CSES, Advisor: W. Thomason)
 Dillon, Kevin, Ph.D. (May 2014; CSES, Advisors: D. Holshouser and W. Thomason)
 Pavuluri, Kiran, Ph.D. (Dec. 2013; CSES, Advisor: W. Thomason)
 Smith, Nicholas, M.S. (Dec. 2013; BSE, Advisor: Z. Easton)
 Jones, Justin, M.S. (May 2013; CSES, Advisor: W. Thomason)
 Dickerson, Jonathan, M.S. (May 2012; CSES, Advisor: W. Daniels)
 Frame, William, Ph.D. (May 2012; CSES, Advisor: M. Alley)
 Pollard, Stephanie, M.S. (May 2012; PPWS, Advisor: S. Rideout)
 Woodward, Timothy, M.S. (Aug. 2011; CSES, Advisor: M. Alley)

Undergraduate Student Project Mentoring (Total as Advisor: 5 B.S.)

Taylor, Chloe, Sum. 2023, Res. and Ext. Exp. Learning Prog., Co-chair: G. Pilot
 Payne, Madison, Sum. 2022, Res. and Ext. Exp. Learning Prog., Co-chair: B. Bastiaan
 Cerkleski, Mallory, Sum. 2019, Res. and Ext. Exp. Learning Prog., Co-chair: M. Saghai-Marooof
 Duncan, Zahria, Sum. 2018, Res. and Ext. Exp. Learning Prog., Co-chair: B. Scharf
 Park, Samuel, Sum. 2017, Res. and Ext. Exp. Learning Prog., Co-chair: G. Gillaspay

Extension, Research, and Academic Teaching Program Overview

Research involves field and laboratory experiments on vegetable, fiber, grain, and oilseed crops grown in Virginia, with specialization of crops on the environmentally sensitive sandy loam soils of the Eastern Shore of Virginia. Specifically, cover crop integration, soil fertility, tillage/no-tillage, nutrient removal, and rotational crops are studied for their inclusion in grain and high-value vegetable crop settings.

Teaching involves undergraduate and graduate students. Currently I advise OMALS, M.S. and Ph.D. students, and am serving on committees for students in my home and other departments. Student projects revolve around crop rotations, cover crops, soil fertility, soil quality, and overall agronomic sustainability. Undergraduate students are engaged via experiential learning opportunities via internships, guest lecturing, and via co-leading study abroad programs to South Africa and domestically within the USA. I also lead a graduate level course focused on applied agronomy each Spring semester.

Extension involves working with other scientists, county Extension agents, farmers, and the general public through scientific meetings, field days, field visits, and publications. Fertilizer use, alternative tillage regimes, alternative rotational crops, cover crops, soil quality, removal of marginal land from production, and basic soil fertility are discussed as it relates to food, fiber, and cellulosic biomass crops.

Selected Sponsored Research: Total Funding at Virginia Tech: \$115.7M; My Part: \$4.9M

Integration of Climate Smart Technologies for Sustainable Crop Systems, USDA-NRCS, USD 999,277, Principal Investigators: Reiter, M; Singh, V; Torres Quezada, E; Higgins, D, Participation: 25%, 05/01/2023-04/30/2026.

The Virginia Tech Alliance to Advance Climate-Smart Agriculture: Supporting Producers to Promote Productivity, Markets, and Environmental Benefits, USDA-NRCS, USD 80,000,000, Principal Investigators: Thompson, T; Benami, E; Bovay, J; Reiter, M; White, R; Zhang, W; Steward, R. Participation: 15%, 02/15/2023-02/14/2026.

Experiential Learning Education Support Grants, Virginia Corn Board, USD 56,000, Principal Investigators: Abaye, A; Reiter, M, Participation: 50%, 07/01/2016-06/30/2024.

Experiential Learning Education Support Grants, Virginia Soybean Board, USD 56,000, Principal Investigators: Abaye, A; Reiter, M, Participation: 50%, 07/01/2016-06/30/2024.

Enhancing the Sustainability of US Cropping Systems through Cover Crops and an Innovative Information and Technology Network, USDA-AFRI, USD 104,285, Principal Investigators: Reiter, M; Flessner, M, Participation: 70%, 09/01/2020-08/31/2024.

Building Soil Health in Virginia, National Fish and Wildlife Foundation – Chesapeake Bay Innovation Nutrient and Sediment Reduction Program, USD 1,000,000, Principal Investigators: Maguire, R; Reiter, M; Bendfeldt, E; Horn, D; Thomason, W, Participation: 6%. 03/01/2020-02/28/2024.

Potato Breeding to Improve Yield, Marketability and Resilience to Environmental Stress, Pests, and Diseases, Subcontract to University of Maine, USDA-NIFA Potato Breeding Special Grant Program, USD 24,000, Principal Investigators: Reiter, M, Participation: 100%, 09/21/2021-08/31/2023.

Sulfur and Nitrogen Fertility for High-Yielding Soybean Production in Virginia, Virginia Soybean Board, USD 52,813, Principal Investigators: Reiter, M; Holshouser, D, Participation: 80%, 07/01/20-06/30/2023.

Cover Crop Mixes for Nematode Management in Potato Production, Virginia Irish Potato Board, USD 3,080, Principal Investigators: Torres, E; Reiter M, Participation: 50%, 07/01/2021-06/30/2022.

Fertility Management for White Potatoes on the Eastern Shore of Virginia, Virginia Irish Potato Board, USD 3,500, Principal Investigators: Reiter, M, Participation: 100%, 07/01/2021-06/30/2022.

Lettuce: Foliar Feed Fertilizer Additive Response in the Mid-Atlantic, USA, YARA UK LTD., USD 28,000, Principal Investigators: Reiter, M, Participation 100%, 04/01/2020-03/31/2022.

Sulfur Fertility Rates for Virginia Vegetables to Enhance Yields and Increase Fertilizer Use Efficiency, Virginia Department of Agriculture and Consumer Services, USD 60,000, Principal Investigators: Reiter, M, Participation: 100%, 10/01/2019-09/30/2022.

Potential for Inter-cropping Forage Radish and Winter Wheat, USDA Natural Resources Conservation Service, USD 75,000, Principal Investigators: Reiter, M; Flessner, M, Participation: 60%, 09/27/2018-09/30/2021.

Developing Edamame Varieties for Mechanized Production and Improved Consumer Acceptance to Increase Sustainability of the Vegetable Industry, U.S. Department of Agriculture - SCRI, USD 3,746,265.00, Principal Investigators: Zhang, B; Arancibia, R; Duncan, S; Chen, P; Ross, J; Mozzoni, L; Li, S; Clinton, L; Yin, Y; Rideout, S; ...Reiter, M, Participation: 10%, 09/01/2018-08/31/2022.

Innovative Manure Management Strategies to Promote Phosphorus Balance and Sustain Agriculture on the Delmarva Peninsula, NIFA-CARE, U.S. Department of Agriculture, USD 300,000, Principal Investigators: Reiter, M; Shober, A; Toor, G, Participation: 34%, 05/15/2018-05/14/2022.

Environmental, Economic and Social Perceptions of Winter Cover Crops and Nutrient Cycling in the Eastern USA and Cherkassy Region, Ukraine, CRDF Global in conjunction with Unman National University of Horticulture, USD 106,994, Principal Investigators: Reiter, M; Kolibabchuk, T, Participation: 47%, 02/01/2018-01/31/2019.

Strategic Initiatives to Achieve Regional Phosphorus Balance in the Chesapeake Bay Watershed, National Fish and Wildlife Foundation, USD 283,844, Principal Investigators: Reiter, M; Ignosh, J; Hughes-Evans, K, Participation: 81%, 01/01/2017-12/31/2020.

Experiential Learning Education Support Grants, American Society of Agronomy, USD 30,000, Principal Investigators: Abaye, A; Reiter, M, Participation: 50%, 01/01/2016-12/31/2018.

U.S. Patents (*Graduate Student)

Millsaps, C.R.*, M.S. Reiter, J.E. Mason, and B.M. Whitehurst. 2020. Granulated compositions and methods for making and using the same. United States Provisional Patent Number: 63/012,613. Issued 12 May.

Reiter, M.S. and T.C. Daniel. 2011. Value-added granulated organic fertilizer. United States Patent Number: 8,062,405. Issued 22 Nov.

Book Chapters

Reiter, M.S. 2020. Chapter 7: Cash crop selection and rotation. In J. Bergtold and M. Sailus (eds). Conservation tillage systems in the Southeast. Sustainable Agriculture Research and Extension, Athens, GA.

Thomason, W.E., B.K. Chim, and M.S. Reiter. 2017. Zero-tillage cultivation of maize. Achieving sustainable cultivation of maize. 2:81-95. Burleigh Dodds Science Publishing.

Refereed Publications (*Graduate Student; Total Number: 65)

- Nicholakos, S.A.*, W.H. Frame, M.S. Reiter, and R.D. Stewart. 2025. Multi-year soil response to conservation management in the Virginia Coastal Plain. *Soil and Tillage Research*. doi: 10.1016/j.still.2024.106303
- Huddell, A., R. Thapa, G. Marcillo, V. Ackroyd, M. Bagavathiannan, K. Balkcom, M. Reiter, S. Mirsky, et. al. 2024. U.S. cereal rye winter cover crop growth database. *Scientific Data*. 11:200. doi:10.1038/s41597-024-02996-9
- Mosesso, L.R.*, M.S. Reiter, K.G. Scheckel, N.M. Fiorellino, G.S. Toor, and A.L. Shober. 2024. Phosphorus speciation in manure and fertilizer impacted Mid-Atlantic coastal plain soils. *Journal of Environmental Quality*. 53(3):352-364. doi: <https://doi.org/10.1002/jeq2.20556>
- Pokhrel, S.*, R.O. Maguire, W.E. Thomason, R. Stewart, M. Flessner, and M. Reiter. 2024. Soil health indicators for predicting corn nitrogen requirement in long-term cover cropping. *Agronomy Journal*. 116(5): 2186-2199. doi:10.1002/agj2.21628
- Sutton, K. L.*, T.P. Kuhar, S.L. Rideout, S.V. Taylor, M.S. Reiter, A.I. Del Pozo-Valdivia, and K. McIntyre. 2024. Simple Insecticide Bean-Dip Bioassay Shows Pyrethroid Susceptibility of *Helicoverpa zea* (Lepidoptera: Noctuidae) Populations in Virginia Varies across Locations and Years. *Journal of Entomological Science*. 59(1) 1-11. doi:10.18474/JES23-23
- Won, S., R.M. Rejesus, A.M. Poncet, S. Aglasan, R. Thapa, K.L. Tulley, C. Reberg-Horton, M.L. Cabrera, B.W. Davis, J. Gaskin, R. Hitchcock, H.H. Schomberg, S.A. Seehaver, K. Balkcom, M.S. Reiter, J.O. Miller, and S.B. Mirsky. 2024. Understanding the yield impacts of alternative cover crop families and mixtures: Evidence from side-by-side plot-level panel data. *Agrostems, Geosciences & Environment*. 7(4). doi: <https://doi.org/10.1002/agg2.70012>
- Almeida, L.*, A. Correndo, J. Ross, M. Litch, S. Casteel, M. Singh, S. Naeve, R. Vann, J. Bais, H. Kandel, L. Lindsey, S. Conley, J. Kleinjan, P. Kovacs, D. Berning, T. Hefley, M. Reiter, D. Holshouser, and I. Ciampitti. 2023. Soybean yield response to nitrogen (N) and sulfur fertilization in the United States: Contribution of soil N and N fixation processes. *European Journal of Agronomy*. doi: <https://doi.org/10.1016/j.eja.2023.126791>
- Brooks, K. *, M. Reiter, B. Zhang, and J. Mott. 2023. Edamame yield and quality response to nitrogen and sulfur fertilizers. *Agronomy*, 13(7). doi: <https://doi.org/10.3390/agronomy13071865>
- Kumar, V. *, V. Singh, M. Flessner, J. Haymaker, M. Reiter, and S. Mirsky. 2023. Volunteer rapeseed infestation and management in corn. *Agronomy Journal*. 115: 2925-2937. doi: 10.1002/agj2.21476.
- Kumar, V. *, V. Singh, M. Flessner, J. Haymaker, M. Reiter, T. Kuhar, and S. Mirsky. 2023. Cover crop termination options and application of remote sensing for evaluating termination efficiency. *PLoS One*. doi: <https://doi.org/10.1371/journal.pone.0284529>
- Liptzin, D., E. Rieke, S. Cappellazzi, G. Bean, M. Cope, K. Greub, C. Norris, P. Tracy, E. Aberle, A. Ashworth, M. Reiter, et. al. 2023. An evaluation of nitrogen indicators for soil health in long-term agricultural experiments. *Soil Science Society of America Journal*, 87(4): 868-884. doi: <https://doi.org/10.1002/saj2.20558>
- Bagnall, D.K., C.L.S. Morgan, M. Cope, G.M. Bean, S. Cappellazzi, K. Greub, D. Liptzin, E. Rieke, P. Tracy, E. Aberle, A. Ashworth, O. Bañuelos Tavarez, ...M.S. Reiter, et. al. 2022. Carbon-sensitive pedotransfer functions for plant available water. *Soil Science Society of America Journal*. doi: <https://doi.org/10.1002/saj2.20395>

- Brooks, K.*, S. Mourtzinis, S.P. Conley, M.S. Reiter, J. Gaska, D.L. Holshouser, T. Irby, J. Kleinjan, C. Knott, C. Lee, L. Lindsey, S. Naeve, J. Ross, M.P. Singh, R. Vann, and E. Matcham. 2022. Soybean yield response to sulfur and nitrogen additions across diverse US environments. *Agronomy Journal*. doi: [https://10.1002/agj2.21216](https://doi.org/10.1002/agj2.21216)
- Carneiro, R.*, K. Adie, D. Yu, M. Beverly, C. Neill, B. Zhang, T. Kuhar, S. Rideout, M. Reiter, H. Huang, S. O'Keefe, and S. Duncan. 2022. Understanding the role of overall appearance and color in consumers' acceptability of edamame. *Frontiers in Sustainable Food Systems*. doi: [10.3389/fsufs.2022.738453](https://doi.org/10.3389/fsufs.2022.738453)
- Gyawali, A.J., M.S. Strickland, W.E. Thomason, M.S. Reiter, and R. Stewart. 2022. Quantifying short-term responsiveness and consistency of soil health parameters in row crop systems. Part 1: Developing a multivariate approach. *Soil Tillage Research*, 219. doi: <https://doi.org/10.1016/j.still.2022.105354>
- Liptzin, D., C.E. Norris, S.B. Cappellazzi, G.M. Bean, M. Cope, K.L.H. Greub, E.L. Rieke, P.W. Tracy, E. Aberle, A. Ashworth, O. Bañuelos Tavarez, ...M.S. Reiter, et. al. 2022. An evaluation of carbon indicators of soil health in long-term agricultural experiments. *Soil Biology and Biochemistry*. doi: <https://doi.org/10.1016/j.soilbio.2022.108708>
- Mott, J., O. Abaye, M.S. Reiter, and R.O. Maguire. 2022. Evaluating Effects of *Bradyrhizobium* and Arbuscular Mycorrhizal Fungi Inoculation on Yield Components of Mung Bean (*Vigna radiata* (L.) Wilczek) and Nitrogen Fixation. *Agronomy*, 12(10): 2358. doi: <https://doi.org/10.3390/agronomy12102358>
- Murphy, C.M.*, D.L. Weller, M.S. Reiter, C.A. Bardsley*, J. Eifert, M. Ponder, S.L. Rideout, and L.K. Strawn. 2022. Anaerobic soil disinfestation, amendment-type, and irrigation regimen influence *Salmonella* survival and die-off in agricultural soils. *Journal of Applied Microbiology*, 13 pages. doi: [10.1111/jam.15324](https://doi.org/10.1111/jam.15324)
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