

Brief Curriculum Vitae for Dr. Shawn P. Conley

Dr. Shawn P. Conley is a Professor and the State Soybean and Small Grain Specialist at the University of Wisconsin, Madison. In this role I lead the UW Soybean Research Program “a.k.a. The UW BeanTeam” and actively collaborate across all disciplines to generate science-based solutions to address real world problems in soybean and small grain production systems. This knowledge is then integrated and delivered through my Extension program. During my academic career, I have authored or co-authored 161 refereed journal articles, generated over \$8.0M in extramural funding and have spoken at >900 events and to nearly 75,000 clients. What drives not only me, but the staff and graduate students in my program, is our commitment to delivering our research finding back to our clients in a palatable fashion. As such, many of our research papers are also developed into Extension publications. Furthermore, everything our program develops is delivered through our webpage <https://badgercropnetwork.com> and pushed to clients through our list-serve and Twitter handle @badgerbean. My commitment to agriculture and the Wisconsin Idea have also led me to coauthor a children’s book entitled “[Coolbean the Soybean](#)”.

Honors and Awards (Since 2024)

- Outstanding Paper in the Crop Management Section of *Crop, Forage & Turfgrass Management*. Corn and soybean planting order decisions impact farm gross revenue,” (<https://doi.org/10.1002/cft2.20242>)
- ASA Society Award winning paper. [Soybean yield response to sulfur and nitrogen additions across diverse US environments](#)
- 2024 Extension Education Community Education Materials Award: Webinar Series: Savvy Full Season Soybean Management.
- 2024 Top 10 cited manuscript in 2023 *Agricultural & Environmental Letters*. [Cropping systems with perennial vegetation and livestock integration promote soil health](#)
- 2024 Top downloaded manuscript in 2023 in Crop, Forage and Turf Management Journal. Corn and soybean planting order decisions impact farm gross revenue. <https://doi.org/10.1002/cft2.20242>
- 2024 Top downloaded manuscript in 2023 in Agronomy Journal. [Filtering, editing, and cropping yield maps in a R environment with the package cleanRfield](#)

Published manuscripts (Manuscript titles listed from 2024) 161 referred manuscripts in total

1. ‡Tatiane Severo Silva, Lindsay Chamberlain Malone; Matthew D. Ruark; Spyridon Mourtzinis; Chad D. Lee; David Jordan; Herman J. Kandel; Jeremy Ross; John M. Gaska; Joseph G. Lauer; Laura E. Lindsey; Maninder Pal Singh; Mark A. Licht; Michael Plumblee; Rachel A. Vann; Rodrigo Werle; Seth L. Naeve; Trenton L. Roberts; **Shawn P. Conley**. 2025. **Soybean yield response to management practices (4 to 40 years) and soil health parameters**. *Field Crops Research*. Accepted 4/29/25.

2. Rahman, A. A., Brooks, K., **Conley, S.P.**, Gaska, J., Irby, T., Kleinjan, J., Knott, C., Lee, C., Lindsey, L. E., Mourtzinis, S., Naeve, S., Ross, J., Singh, M. P., Vann, R., Matcham, E. G. 2025. Impact of sulfur and nitrogen fertilization on seed composition of soybean. *Frontiers in Sustainable Food Systems*. Accepted 4/21/2025
3. Anna Orfanou; Gregg R. Sanford; Randall D. Jackson; Matthew D. Ruark; Claudio Gratton; Spyridon Mourtzinis; **Shawn P. Conley**; Christopher J. Kucharik. 2025. Adapting an agroecosystem model to account for cover crop management in the Midwest USA. *Smart Agricultural Technology*. <https://doi.org/10.1016/j.atech.2025.100930>
4. Camila Rebelatto Muniz, Tatiane Severo Silva, Camila Jorge Bernabé Ferreira, **Shawn Conley**, Spyridon Mourtzinis, Joe McClure, Seth Naeve, Rachel Vann, Matheus de Freitas Souza. 2025. How changes in cover crop termination timing affect soybean yield? A systematic review and meta-analysis. <https://doi.org/10.1016/j.fcr.2025.109876>
5. ‡Kendall, M., Mourtzinis, S., Gaska, J., and **Conley, S.P.** 2025. Nitrogen fertilizer improves no-till soybean seed yield. *Crop, Forage, & Turfgrass Management*. <https://doi.org/10.1002/cft2.70040>
6. ‡Haleigh J. Ortmeier-Clarke, Spyros Mourtzinis, Damon L. Smith, Martin I. Chilvers, Darcy E. P. Telenko, and **Shawn P. Conley**. 2025. Variety choice influences soft red winter wheat yield more than seed treatment. *Crop, Forage, & Turfgrass Management*. <https://doi.org/10.1002/cft2.70037>
7. ‡Severo Silva, Tatiane; Mourtzinis, Spyridon; Holshouser, David; Gaska, John M.; Purcell, Larry C.; Lindsey, Laura E.; Naeve, Seth; Conley, Shawn P. 2025. Soybean phenology dataset for determining soybean growth stages [Dataset]. Dryad. <https://doi.org/10.5061/dryad.2bvq83c20>
8. Ortel, Carrie; Lindsey, Laura; Casteel, Shaun; Kandel, Herman Johannes (Hans); Nafziger, Emerson D.; Ross, Jeremy; **Conley, Shawn P.** 2025. Low soybean plant population: Is replanting necessary? *Crop, Forage, & Turfgrass Management*. (<https://orcid.org/0000-0002-8413-1088>),
9. Ziwei Ye¹, Christina DiFonzo², David A. Hennessy³, Felicia Wu^{4,5}, **Shawn P. Conley**⁶, Aaron J. Gassmann⁷, Erin W. Hodgson⁷, Bryan Jensen⁸, Janet J. Knodel⁹, Bradley McManus¹⁰, Lance J. Meinke¹¹, Andrew Michel¹², Bruce Potter¹³, Nicholas J. Seiter¹⁴, Jocelyn L. Smith¹⁵, Joseph L. Spencer¹⁶, Kelley J. Tilmon¹², Robert J. Wright¹¹, and Christian H. Krupke. 2025. Too Much of a Good Thing: Lessons from Compromised Rootworm Bt Technology in the U.S. Corn Belt. *Science*. <https://doi.org/10.1126/science.adm7634>
10. Guilherme Chudzik, Jose Junior Nunes, Nicholas J Arneson, Ryan P DeWerff, Victor de Sousa Ferreira, Christopher Proctor, David E Stoltenberg, **Shawn Conley**, and Rodrigo Werle. 2025. Postemergence giant ragweed management as affected by soil and cover crop management, soybean planting time, and preemergence herbicide application. *Weed Technology*. <https://doi.org/10.1017/wet.2024.110>

11. Adrian Correndo; Trevor Hefley; Gabriel Hintz; Vara Prasad; Mark Licht; Shaun Casteel; Maninder Singh; Seth Naeve; José Bais; Laura Lindsay; **Shawn Conley**; Jonathan Kleinjan; Péter Kovács; Ignacio A. Ciampitti. 2025. Assessing the influence of environmental drivers on soybean seed yield and nitrogen fixation estimates and uncertainties in the United States. *European Journal of Agronomy*.
<https://doi.org/10.1016/j.eja.2024.127428>
12. ‡Andrew Malcomson, Spyros Mourtzinis, John Gaska, Adam Roth, Tatiane Severo Silva, **Shawn Conley**. 2024. Planting Date and Maturity Groups Effects on Soybean Yield in Wisconsin. *Crop, Forage, & Turfgrass Management*. <https://doi.org/10.1002/cft2.70015>
13. Guilherme Chudzik, Jose J. Nunes, Nicholas J. Arneson, Grace Arneson, **Shawn P. Conley**, Rodrigo Werle. 2024. Assessment of Cover Crop Adoption and Impact on Weed Management in Wisconsin Corn-Soybean Cropping Systems. *Agrosystems, Geosciences & Environment*. <http://dx.doi.org/10.1002/agg2.70007>
14. ‡Lindsay Chamberlain Malone, Matthew D. Ruark, Rachel Atwell Vann, Maninder Singh, Jeremy Ross, and **Shawn P. Conley**. 2024. Soybean yield is positively linked to organic matter, but planting date remains more influential. *SSSAJ*.
<https://doi.org/10.1002/saj2.20779>
15. ‡Tatiane Severo Silva, Spyros Mourtzinis, Anthony Justin McMechan, Gabriela Inveninato Carmona, Bruce D. Potter, Kelley J. Tilmon, Louis S. Hesler, Nicholas J. Seiter, Robert Wright, Shannon L. Osborne, Thomas E. Hunt, and **Shawn P. Conley**. 2024. Cereal rye cover crop termination at or before soybean planting has minimal effect on soybean yield across the midwestern US. *Field Crops Research*.
<https://doi.org/10.1016/j.fcr.2024.109393>
16. Nunes JJ, Arneson NJ, Smith D, Ruark M, **Conley S**, Werle R. Elucidating Waterhemp (*Amaranthus tuberculatus*) Suppression from Cereal Rye Cover Crop Biomass. *Weed Science*. Published online 2024:1-38. [doi:10.1017/wsc.2024.21](https://doi.org/10.1017/wsc.2024.21)
17. Mourtzinis, S. and **Conley, S.P.** Crop management recommendations: Agroptimizer decision support tool vs local experts. 2024. *Crop, Forage, & Turfgrass Management*.
<https://dx.doi.org/10.1002/cft2.20277>
18. Fatima A.M. Tenorio¹, Juan I. Rattalino Edreira¹, Juan Pablo Monzon^{1,†}, Fernando Aramburu-Merlos, Achim Dobermann², Armelle Gruere², Juan Martin Brihet³, Sofia Gayo³, **Shawn Conley**, Spyridon Mourtzinis⁴, Nester Mashingaidze⁵, Alex Sananka⁵, Stephen Aston⁵, Jonathan J. Ojeda^{6,‡}, Patricio Grassini. 2024. Filling the agronomic data gap through a minimum data collection approach. *Field Crops Research*.
<https://doi.org/10.1016/j.fcr.2024.109278>