

Brief Curriculum Vitae for Dr. Shawn P. Conley

Dr. Shawn P. Conley is a Professor of Agronomy and the State Soybean and Small Grain Specialist at the University of Wisconsin, Madison. Dr. Conley's research goal is to generate science based solutions to address real world problems in soybean and small grain production. This knowledge is then integrated and delivered through his Extension program. Dr. Conley has authored or co-authored 106 refereed journal articles and has spoken at >750 events and to nearly 57,000 clients since beginning his academic career. Dr. Conley also coauthored the children's book "Coolbean the Soybean".

Honors and Awards (Since 2016)

- William A. Rothermel-Bascom Professorship
- 2019 Wisconsin Association of County Agricultural Agents (WACAA) "Second Mile" award
- 2018 ASA Educational Materials Awards Program Certificate of Excellence (Publications > 16 pages). Visual Guide: Winter Wheat Development and Growth Staging. Mimi Broeske*, John Gaska, Adam Roth, and Shawn P. Conley. University of Wisconsin
- 2018 ASA Educational Materials Awards Program Certificate of Excellence (Digital Decision Aids (software, web-base, smart phone tablet apps). Sporecaster: The White Mold Forecaster App for smartphones. Damon Smith Roger Schmidt, John Schmidt, Garrett Andrews, Jamie Willbur, Martin Chilvers, Mehdi, Kabbage, Darren Mueller, and Shawn P. Conley. University of Wisconsin
- 2017 ASA Educational Materials Awards Program Certificate of Excellence (Publications < 16 pages). Grain Management Considerations in Low-Margin Years. Francisco J. Arriaga, Shawn P. Conley*, Bryan M. Jensen, Carrie A.M. Laboski, Joe G. Lauer, Brian D. Luck, Paul D. Mitchell, and Damon L. Smith. University of Wisconsin
- 2017 ASA Educational Materials Awards Program Certificate of Excellence (Audio Visuals). Grain Management Considerations in Low-Margin Years. Francisco J. Arriaga, Shawn P. Conley*, Bryan M. Jensen, Carrie A.M. Laboski, Joe G. Lauer, Brian D. Luck, Paul D. Mitchell, and Damon L. Smith. University of Wisconsin
- 2016 CALS ARS Recognition Award for Excellence in Research
- 2016 ASA Educational Materials Awards Program Certificate of Excellence (Publications < 16 pages). Using High-Input Systems for Soybean Management Increases Yield but Not Profitability. David A. Marburger, John M. Orłowski, Bryson J. Haverkamp, Randall G. Laurenz, Eric W. Wilson, Shaun N. Casteel, Seth L. Naeve, Emerson D. Nafziger, Kraig L. Roozeboom, William J. Ross, Kurt D. Thelen, Chad D. Lee, and Shawn P. Conley

Published manuscripts (Manuscript titles listed from 2018) 106 referred manuscripts in total

1. Juan I Rattalino Edreira, Spyridon Mourtzinis, George Azzari, Jose F Andrade, **Shawn P Conley**, David Lobell, James E Specht, Patricio Grassini. 2020. From sunlight to seed: assessing limits to solar radiation capture and conversion in agro-ecosystems. *Agricultural and Forest Meteorology*. <https://doi.org/10.1016/j.agrformet.2019.107775> Derek Potratz, Spyridon Mourtzinis, John Gaska, Joe Lauer, Francisco Arriaga, and **Shawn P. Conley**. 2020. Effect of Strip-Till × Management Interactions on Corn Grain and Soybean Seed Yield. *Agronomy Journal*. doi: 10.2134/agronj2019.05.0351
2. Derek Potratz, Spyridon Mourtzinis, John Gaska, Joe Lauer, Francisco Arriaga, and **Shawn P. Conley**. 2019. Effect of Strip-till Timing, Fertilizer Placement, and Row Spacing on Soybean Seed Yield. *Crop, Forage, & Turfgrass Management*. 5:190040. doi:10.2134/cftm2019.05.004
3. Derek Potratz, Spyridon Mourtzinis, John Gaska, Joe Lauer, Francisco Arriaga, and **Shawn P. Conley**. 2019. Effect of Strip-Till × Management Interactions on Corn Grain and Soybean Seed Yield. *Agronomy Journal*. doi:10.2134/agronj2019.05.0351
4. Whalen, D.M., M.D. Bish, B. Young, **S.P. Conley**, D. Reynolds, J. Norsworthy, and K.W. Bradley. 2019. Herbicide Programs for the Termination of Grass and Broadleaf Cover Crop Species. *Weed Tech*. 1-10. doi:10.1017/wet.2019.73

5. Mourtzinis, Spyridon, Christian H. Krupke, Paul D. Esker, Adam Varenhorst, Nicholas J. Arneson, Carl A. Bradley, Adam M. Byrne, Martin I. Chilvers, Loren J. Giesler, Ames Herbert, Yuba R. Kandel, Maciej J. Kazula, Catherine Hunt, Laura E. Lindsey, Sean Malone, Daren S. Mueller, Seth Naeve, Emerson Nafziger, Dominic D. Reisig, William J. Ross, Devon R. Rossman, Sally Taylor, and **Shawn P. Conley**. 2019. Neonicotinoid seed treatments of soybean provide negligible benefits to US farmers. *Nature Scientific Reports* 9:11207 <https://doi.org/10.1038/s41598-019-47442-8>
6. Maciej Kazula, Jadwiga Andrzejewska, **Shawn P. Conley**, and Kenneth A. Albrecht. 2019. Intercropping Winter Cereals in Kura Clover for Spring Forage Production. *Canadian J of Plant Sci.* <https://doi.org/10.1139/CJPS-2019-0097>
7. Maciej Kazula, Jadwiga Andrzejewska, Shawn P. Conley, and Kenneth A. Albrecht. 2019. Intercropping Winter Cereals in Kura Clover for Spring Forage Production. *Canadian J of Plant Sci.* <https://doi.org/10.1139/CJPS-2019-0097>
8. Willbur, J., P. Mitchell, M. Fall, A. Byrne, S. Chapman, C. Floyd, C. Bradley, K. Ames, M. Chilvers, N. Kleczewski, D. Malvick, B. Mueller, D. Mueller, M. Kabbage, S.P. Conley, D.L. Smith. 2019. Meta-analytic and economic approaches for evaluation of fungicide impact on Sclerotinia stem rot and soybean yield in the North Central U.S. *Phytopathology*. <https://doi.org/10.1094/PHYTO-04-18-0124-R>
9. Yared Assefa, Larry C. Purcell, Montse Salmeron, Seth Naeve, Shaun N. Casteel, Péter Kovács, Sotirios Archontoulis, Mark Licht, Fred Below, Herman Kandel, Laura E. Lindsey, John Gaska, Shawn Conley, Charles Shapiro, John M. Orlowski, Bobby R. Golden, Gurpreet Kaur, Maninderpal Singh, Kurt Thelen, Randall Laurenz, Dan Davidson, and Ignacio A. Ciampitti. 2019. Assessing variation in US soybean seed composition (protein and oil). *Frontiers Plant Science*. <https://doi.org/10.3389/fpls.2019.00298>
10. Whalen, D.M., M.D. Bish, B.G. Young, A.G. Hager, S.P. Conley, D.B. Reynolds, L.E. Steckel, J.K. Norsworthy, and K.W. Bradley. 2019. Evaluation of Cover Crop Sensitivity to Residual Herbicides Applied in the Previous Soybean Crop. *Weed Tech.* <https://doi.org/10.1017/wet.2019.10>
11. Ranjan, Ashish; Westrick, Nathaniel; Jain, Sachin; Piotrowski, Jeff; Ranjan, Manish; Kessens, Ryan; Stiegman, Logan; Grau, Craig; Conley, Shawn; Smith, Damon; Kabbage, Mehdi. 2019. Resistance against *Sclerotinia sclerotiorum* in soybean involves a reprogramming of the phenylpropanoid pathway and upregulation of anti-fungal activity targeting ergosterol biosynthesis. *Plant Biotechnology Journal*. <https://doi.org/10.1111/pbi.13082>
12. ‡Ittai Herrmann, Steven K. Vosberg, Philip A. Townsend, Shawn P. Conley. 2019 Spectral data collection by dual field of view system under changing atmospheric conditions – a case study of estimating early season soybean populations. *Sensors* 2019, 19, 457; doi:10.3390/s19030457
13. ‡Mourtzinis, S., J. Specht, S.P. Conley. 2019. Defining Optimal Soybean Sowing Dates across the US. *Scientific Reports*. <https://doi.org/10.1038/s41598-019-38971-3>
14. ‡Marburger, D.A., D.L. Smith, and S.P. Conley. 2019. Characterizing interactions between *Fusarium graminearum* and *Fusarium virguliforme* on early soybean growth and development. *Canadian Journal of Plant Pathology*. <https://doi.org/10.1080/07060661.2019.1566180>
15. G. Azzari, P. Grassini, J.I. Rattalino Edreira, S.P. Conley, S. Mourtzinis, D.B. Lobell. 2019. SATELLITE MAPPING OF TILLAGE PRACTICES IN THE NORTH CENTRAL US REGION FROM 2005-2016. *Remote Sensing of Environment* 229: 417-429. <https://doi.org/10.1016/j.rse.2018.11.010>
16. Andrade, J.F., Rattalino Edreira, J.I., Mourtzinis, S., Conley, S.P., Ciampitti, I.A., Dunphy, J.E., Gaska, J.M., Holshouser, D.L., Kandel, H.J., Kyveryga, P., Licht, M.A., Lindsey, L.E., McClure, M.A., Naeve, S., Nafziger, E.D., Orlowski, J.M., Ross, J., Glewen, K., Thompson, L., Staton, M.J., Lee, C.D., Specht, J.E., Grassini, P., 2019. Assessing the influence of row spacing on US soybean yield using experimental and producer survey data. *Field Crops Research* 230: 98-106. <https://doi.org/10.1016/j.fcr.2018.10.014>
17. ‡Lund, M.E., S. Mourtzinis, S.P. Conley, J. Ané. 2018. Soybean Cyst Nematode Control with *Pasteuria nishizawae* Under Different Management Practices. *Agron. J.* doi:10.2134/agronj2018.05.0314.
18. ‡Mourtzinis, S., B. Borg, S. Naeve, J. Osthus, and S.P. Conley. 2018. Characterizing soybean meal value variation across the US: a swine case-study. *Agron. J.* doi:10.2134/agronj2017.11.0624
19. Willbur, J. F., Fall, M. L., Byrne, A. M., Chapman, S. A., McCaghey, M. M., Mueller, B. D., Schmidt, R., Chilvers, M. I., Mueller, D. S., Kabbage, M., Giesler, L. J., Conley, S. P., and Smith, D. L. 2018.

- Validating *Sclerotinia sclerotiorum* apothecial models to predict Sclerotinia stem rot in soybean (*Glycine max*) fields. Plant Dis. <https://doi.org/10.1094/PDIS-02-18-0245-RE>
20. Korres, N.E., J.K. Norsworthy, B.G. Young, D.B. Reynolds, W.G. Johnson, S.P. Conley, R.J. Smeda, T.C. Mueller, M. Loux, G.R. Kruger, and M.V. Bagavathiannan. 2018. Seedbank persistence of *Amaranthus palmeri* (Palmer amaranth) and *Amaranthus tuberculatus* (tall waterhemp) across diverse geographical regions in the United States. Weed Sci. <https://doi.org/10.1017/wsc.2018.27>
 21. ‡Gaspar, A., C. Laboski, S. Naeve, and S.P. Conley. 2018. Secondary and Micronutrient Uptake, Partitioning, and Removal across a Wide Range of Soybean Seed Yield Levels. Agronomy Journal. [doi:10.2134/agronj2017.12.0699](https://doi.org/10.2134/agronj2017.12.0699)