

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 101 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) 101 referred manuscripts in total

1. 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. Accepted 6/27/19.
2. 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>
3. 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. Orłowski, 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>
4. 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. Accepted 1/30/19
5. 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*. Accepted 1/21/19

6. ‡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
7. ‡Mourtzinis, S., J. Specht, S.P. Conley. 2019. Defining Optimal Soybean Sowing Dates across the US. *Scientific Reports*. Accepted 1/11/19
8. ‡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>
9. 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>
10. 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>
11. ‡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.
12. ‡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
13. 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>
14. 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>
15. ‡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
16. Esker, P., D. Shah, C. Bradley, S.P. Conley, P. Paul, and Alison Robertson. 2018. Perceptions of Midwestern Crop Advisors and Growers on Foliar Fungicide Adoption and Use in Maize. *Phytopathology*. <https://apsjournals.apsnet.org/doi/pdfplus/10.1094/PHYTO-10-17-0342-R>
17. Herrmann, I, ‡S. Vosberg, P. Ravindran, A. Singh, H. Chang, M. Chilvers, S.P. Conley, P. Townsend. 2018. Leaf and Canopy Level Detection of *Fusarium Virguliforme* (Sudden Death Syndrome) in Soybean. *Remote Sensing*. doi:10.3390/rs10030426
18. ‡Mourtzinis, S., J.I. Rattalino Edreira, P. Grassini, A. Roth, S. Casteel, I. Ciampitti, H. Kandel, P. Kyveryga, M. Licht, L. Lindsey, D. Mueller, E. Nafziger, S. Naeve, J. Stanley, M. Staton, S.P. Conley. 2018. Sifting and winnowing: analysis of farmer field data for soybean in the US North-Central region. *Field Crops Res.* <https://doi.org/10.1016/j.fcr.2018.02.024>
19. ‡Marburger, D.A., Willbur, J.F., Weber, M.E., Ané, J.M., Kabbage, M., Conley, S.P., and Smith, D.L. 2018. Characterizing the Effect of Foliar Lipo-chitoooligosaccharide Application on Sudden Death Syndrome and *Sclerotinia* Stem Rot in Soybean. *Plant Health Prog.* doi:10.1094/PHP-10-17-0058-RS an Seed Yield, Profitability, and Economic Risk across Diverse Environments. *Crop Sci.* doi: 10.2135/cropsci2016.11.0967

‡Denotes research conducted by my graduate student or Post Doc.