

Damon L. Smith, Professor and Extension Specialist, Department of Plant Pathology, University of Wisconsin-Madison, 608-695-8110, damon.smith@wisc.edu



Education and Training

North Carolina State University	2007	Ph.D.	Plant Pathology
North Carolina State University	2004	M.S.	Plant Pathology
State University of New York, College at Geneseo	2001	B.S.	Biology

Research and Professional Experience

July 2022 – Present:	Professor (75% Extension/25% Research), University of Wisconsin-Madison, Department of Plant Pathology
January 2024 – Present:	Affiliate, Data Science Institute, University of Wisconsin-Madison
October 2020 – June 2024:	Faculty Center Director, Nutrient and Pest Management Program, University of Wisconsin-Madison
July 2018 – June 2022:	Associate Professor (75% Extension/25% Research), University of Wisconsin-Madison, Department of Plant Pathology
September 2012 – June 2018:	Assistant Professor (75% Extension/25% Research), University of Wisconsin-Madison, Department of Plant Pathology
September 2012 – June 2018:	Adjunct Assistant Professor, Oklahoma State University, Department of Entomology and Plant Pathology
September 2007-August 2012:	Assistant Professor (75% Extension/25% Research), Oklahoma State University, Department of Entomology and Plant Pathology Director, Turfgrass Diagnostic Laboratory, Oklahoma State University, Department of Entomology and Plant Pathology
August 2001-August 2007:	Graduate Research Assistant, North Carolina State University, Department of Plant Pathology
September 2000-May 2001:	Undergraduate Research Assistant, State University of New York, College at Geneseo, Department of Biology

Research Interests

Development, validation, and implementation of a research-based information into an extension program focused on improving management of field crop diseases efficiently and economically. Research focuses on the biology and epidemiology of major diseases of soybean, corn, wheat, and alfalfa with a focus on disease advisory development.

Honors and Awards (Past Three Years)

- 2025: Excellence in Extension Award – Presented by the American Phytopathological Society
- Seed Award – Presented by the Crop Protection Network for an impactful resource titled “Multi-state Fungicide Efficacy Trials to Manage Tar Spot and Improve Economic Returns in corn in the United States and Canada”
- 2024: Donald R. Peterson Farm Technology Transfer Award – Presented by the University of Wisconsin-Madison, Dean of the College of Agricultural and Life Sciences

Professional Training

June 2022 – February 2023: LEAD21 Land Grant Leadership Training, Class 18

Professional Society Memberships

Sigma Xi Honor Society
Gamma Sigma Delta Honor Society
American Phytopathological Society
North Central Division of American Phytopathological Society
American Society of Agronomy
Crop Science Society of America
Midwest Forage Association
American Soybean Association

Current Professional Service

Society

- Co-Chair, National Predictive Modeling Tool Initiative – Corn (Spring 2020-Present)

- Founding editorial board member and senior editor, *PhytoFrontiers* Journal, American Phytopathological Society (2020-Present)

University

- Wisconsin Initiative on Climate Change Impacts, Agriculture Working Group, University of Wisconsin-Madison (Fall 2020 – Present)
- Faculty Mentoring Committee (Chair) – Assistant Professor, Leslie Holland, Department of Plant Pathology (Fall 2020 – Present)
- Faculty Mentoring Committee – Assistant Professor, Emily Bick, Department of Entomology (Fall 2022 – Present)
- District 17 Faculty Senator, University of Wisconsin-Madison, Faculty Senate (Fall 2019 – Present)
- Member, Merit Review Committee, University of Wisconsin-Madison, Department of Plant Pathology (2020 – Present)
- Chair, Space, Equipment, and Safety Committee, University of Wisconsin, Department of Plant Pathology (2018 – Present)

Representative Competitive Funding (Total of \$6,659,390 net directly to program at UW-Madison; Values in parentheses indicate amount of each grant direct to program)

1. **USDA-ARS National Predictive Modeling Tool Initiative** – “Development of Prediction Tools for Diseases and Mycotoxins Affecting Corn to Better Inform Management Decisions (WI)” – 2024-2025, (**Smith, D.L.**), **\$100,484 (\$100,484).**
2. **United States Barley and Wheat Scab Initiative-** “Coordinated IPM for FHB and DON in SRWW - Wisconsin” – 2022-2026, (**Smith, D.L.**), **\$75,208 (\$75,208).**
3. **USDA-ARS Cooperative Agreement, Dairy Forage Research Center** – “Soil Health Collaborative: Nutrient and Pest Management Program Outreach” – 2023-2025, (**Smith, D.L.**), **\$163,898 (\$163,898).**
4. **USDA-Organic Agriculture Research and Extension Initiative** – “Enhancing organic dry bean production in the northeast and upper midwestern United States-Year 1-3 sub-contract” – 2022-2025 (Silva, E., and **Smith, D.L.**), **\$351,308 (\$118,706).**
5. **Wisconsin Soybean Marketing Board** – “Maximizing control of white mold of soybean in Wisconsin” – 2024-2027, (**Smith, D.L.**, Kabbage, M., and Conley, S.P.), **\$236,668 (\$236,668).**
6. **Wisconsin Soybean Marketing Board** – “Elucidating Phytophthora sojae populations in Wisconsin soybeans under modern management” – 2022-2025, (**Smith, D.L.**, Kabbage, M., and Conley, S.P.), **\$144,450 (\$144,450).**
7. **Multi-Regional Soybean Checkoff Program-** “Development and expansion of disease management decision-making tools across multiple soybean regions - Year 3” - 2025, (Bradley, C., **Smith, D.L.**, Thomas-Sharma, S., Price, T., Esker, P., Collins, A., Faske, T., Kelly, H., Kemeraite, R., Koehler, A., Langston, D., Sikora, E., Vann, R., Wilkerson, T., and Allen, T.), **\$315,000 (\$56,250).**

Synergistic Activities

1. Ranjan, A., Kabbage, M., and **Smith, D.L.** 2021. U.S. Patent #11,136,591 B2 – Plant cells and plants modified to increase resistance to necrotrophs or drought and methods of selecting and using the same.
2. **Smith, D.L.**, Schmidt, R., Schmidt, T., and Schmidt, J. 2021. Smartphone Application: Tarspotter. Released May 2021.
3. **Smith, D.L.**, Willbur, J., Chilvers, M., Kabbage, M., Conley, S., Mueller, D., Schmidt, R., and Schmidt, J. 2018. Smartphone Application: Sporecaster. Released May 2018.
4. Mitchell, P., Willbur, J., **Smith, D.L.**, Chilvers, M., Kabbage, M., Conley, S., Mueller, B., Mueller, D., Fall, M., Byrne, A., Chapman, S., Floyd, C., Bradley, C., Ames, K.A., Kelczewski, N., Malvivck, D., Schmidt, R., Schmidt, J. 2018. Smartphone Application: Sporebuster. Released October 2018.

Collaborators and Affiliations

Graduate Advisor: Ph.D., Barbara Shew, North Carolina State University (2007)

Current Academic Staff (2): Carol Groves, Brian Mueller

Current Graduate Students and Post Docs (3): Amit Sharma, Sarah Caroline de Souza, Shalini Yerukala

Past Graduate Students (10): Andrea Payne (2011, M.S.; 2017, Ph.D.), Chris Bloomingdale (2015, M.S.), Brian Mueller (2017, M.S.), Jaime Willbur (2018, Ph.D.), Megan McCaghey (2019, Ph.D.), Hannah Reed (2020, M.S.), Cristina Zambrana-Echevarria (2021, Ph.D.), Richard Wade Webster (2022, Ph.D.), Kelly Debbink (2023, M.S.), Maxwell Chibugwu (2024, Ph.D.)

Representative Publications; Last 4 years (Grand All-time Total of 118)

1. Webster, R.W., Groves, C.L., Mueller, B.D., Renfroe-Becton, H., and **Smith, D.L.** 2025. Investigating the role of soybean genetic resistance on the production of *Sclerotinia sclerotiorum* sclerotia, Plant Disease. <https://doi.org/10.1094/PDIS-10-24-2240-RE>.
2. **Debbink, K.**, Rocco da Silva, C., Silva, E.M., Mueller, B.D., Telenko, D.E.P., and **Smith, D.L.** 2024. Integrated management of *Sclerotinia* stem rot of soybean including organically-allowed fungicides in the Midwest. *PhytoFrontiers*. <https://doi.org/10.1094/PHYTOFR-05-24-0053-R>.
3. Chibuogwu, M.O., Reed, H., Groves, C.L., Mueller, B., Barrett-Wilt, G., Webster, R.W., Goeser, J., and **Smith, D.L.** 2024. Influence of hybrid class and ensiling duration on deoxynivalenol accumulation and its derivative deoxynivalenol-3-glucoside while ensiling corn for silage. *Plant Disease*. <https://doi.org/10.1094/PDIS-06-24-1166-RE>.
4. Nunes, J.J., Arneson, N.J., **Smith, D.L.**, Ruark, M., Conley, S., and Werle, R. 2024. Elucidating waterhemp (*Amaranthus tuberculatus*) suppression from cereal rye cover crop biomass. *Weed Science*. <https://doi.org/10.1017/wsc.2024.21>.
5. Westrick, N.M., Dominguez, E.G., Hull, C.M., **Smith, D.L.**, and Kabbage, M. 2024. A single laccase acts as a key component of environmental sensing in a broad host range fungal pathogen. *Communications Biology*. <https://doi.org/10.1038/s42003-024-06034-7>.
6. Chibuogwu, M.O., Groves, C.L., Mueller, B., and **Smith, D.L.** 2024. Effects of fungicide application and corn hybrid class on the presence of *Fusarium graminearum* and the concentration of deoxynivalenol in ear and stalk parts of corn (*Zea mays*) used for silage. *Plant Disease*. <https://doi.org/10.1094/PDIS-12-23-2662-RE>.
7. Bissonnette, K.M., Barizon, J., Adey, E., Ames, K.A., Becker, T., Biggs, M., Bradley, C.A., Brown, M., Byamukama, E., Chilvers, M.I., Faske, T.R., Harbach, C.J., Jackson-Ziems, T.A. Kandel, Y.R., Kleczewski, N.M., Koehler, A.M., Markell, S.G., Mueller, D.S., Sjarpe, D.A., **Smith, D.L.**, Telenko, D.E.P., and Tenuta, A.U. 2024. Management of soybean cyst nematode and sudden death syndrome with nematode-protectant seed treatments across multiple environments in soybean. *Plant Disease*. <https://doi.org/10.1094/PDIS-02-23-0292-RE>.
8. MacGuidwin, A.E., **Smith, D.L.**, Conley, S.P., and Saikai, K.A. 2024. Prevalence of pest nematodes associated with soybean (*Glycine max*) in Wisconsin from 1998 to 2021. *Journal of Nematology*. <https://doi.org/10.2478/jofnem-2023-0053>.
9. Ross, T.J., Jumbam, B., Bonkowski, J., Chaky, J.L., Chilvers, M.I., Goodwin, S.B., Kleczewski, N.M., Mueller, D.S., Robertson, A.E., **Smith, D.L.**, and Telenko, D.E.P. 2024. Small but significant genetic differentiation among populations of *Phyllachora maydis* in the midwestern United States revealed by microsatellite (SSR) markers. <https://doi.org/10.1101/2023.10.31.563566>.
10. Webster, R.W., Nicolli, C., Allen, T.W., Bish, M.D., Bissonnette, K., Check, J.C., Chilvers, M.I., Kleczewski, N., Mueller, B.D., Price, P.P., Paul, P., Robertson, A.E., Ross, T.J., Schmidt, C., Schmidt, R., Schmidt, T., Shim, S., Telenko, D.E.P., Wise, K., and **Smith, D.L.** 2023. Uncovering the environmental conditions required for *Phyllachora maydis* infection and tar spot development on corn in the United States for use as predictive models for future epidemics. *Scientific Reports*. <https://doi.org/10.1038/s41598-023-44338-6>.
11. Kandel, Y.R., Brown, M.T., Byrne, A.M., Jacobs, J.L., Chilvers, M.I., Ernat, E.M., Kleczewski, N.M., Mueller, B., Telenko, D.E.P., Tenuta, A.U., **Smith, D.L.**, and Mueller, D.S. 2023. Integration of host resistance, seed treatment, and seeding rate for management of sudden death syndrome, a disease of soybean caused by *Fusarium virguliforme*. *Plant Health Progress*. <https://doi.org/10.1094/PHP-04-22-0036-RS>.
12. Roggenkamp, E.M., Check, J.C., Biswal, A.K., Floyd, C.M., Miles, L.A., Nicolli, C.P., Shim, S., Salgado-Salazar, C., Alakonya, A.E., Malvick, D.K., **Smith, D.L.**, Telenko, D.E.P., Chilvers, M.I. 2023. Development of a qPCR assay for species-specific detection of the tar spot pathogen *Phyllachora maydis*. *PhytoFrontiers*. <https://doi.org/10.1094/PHYTOFR-04-23-0050-FI>.
13. Mohan, K., Kontz, B., Okello, P., Allen, T. W., Bergstrom, G., Bish, M., Bissonnette, K., Bradley, C., Buck, J., Byamukama, E., Chilvers, M., Dorrance, A., Geisler, L., Kelly, H., Koehler, A., Lopez-Nicora, H., Mangel, D., Markell, S., Mueller, D., Price III, P. P., Rojas, A., Shires, M., **Smith, D.**, Spurlock, T., Webster, R., Wise, K., and Mathew, F. 2023. Variation in isolate virulence and accession resistance with *Diaporthe aspalathi*, *D. caulivora*, and *D. longicolla* in soybean. *Plant Health Progress*. <https://doi.org/10.1094/PHP-04-23-0041-RS>.
14. Chibuogwu, M.O., Mueller, B., Groves, C.L., and **Smith, D.L.** 2023. Impact of fungicides on dual-purpose and brown midrib *Zea mays* hybrids used for silage in Wisconsin. *Plant Health Progress*. <https://doi.org/10.1094/PHP-04-23-0036-RS>.
15. Batzer, J.C., Shirazi, A., Lawson, M., Dangal, N.K., Kontz, B., Mathew, F.M., **Smith, D.L.**, and Mueller, D.S. 2023. Diversity and phenology of soybean seed fungal endophyte communities in the Upper Midwest U.S. *PhytoFrontiers*. <https://doi.org/10.1094/PHYTOFR-04-23-0048-R>.

16. Nunes, J.J., Arneson, N.J., DeWerff, R.P., Ruark, M., Conley, S., **Smith, D.L.** and Werle, R. 2023. Planting into living cover crop alters preemergence herbicide dynamics and can reduce soybean yield. *Weed Technology*. <https://doi.org/10.1017/wet.2023.41>.
17. McCoy, A.G., Belanger, R.R., Bradley, C.A., Cerritos-Garcia, D.G., Garnica, V.C., Giesler, L.J., Grijalba, P.E., Guillin, E., Henriquez, M.A., Kim, Y.M., Malvick, D.K., Matthiessen, R.L., Mideros, S.X., Noel, Z.A., Robertson, A.E., Roth, M.G., Schmidt, C.L., **Smith, D.L.**, Sparks, A.H., Telenko, D.E.P., Tremblay, V., Wally, O., and Chilvers, M.I. 2023. A global-temporal meta-analysis perspective on *Phytophthora sojae* resistance-gene efficacy for disease management. *Nature Communications*. <https://doi.org/10.1038/s41467-023-41321-7>.
18. Ross, T.J., Chilvers, M.I., Byne, A.M., **Smith, D.L.**, Mueller, B., Sujoung, S., and Telenko, D.E.P. 2023. Integration of disease tolerance and fungicide application for management of tar spot on hybrid corn in North Central United States. *Plant Health Progress*. <https://doi.org/10.1094/PHP-10-22-0103-RS>.
19. Webster, R.W., McCaghey, M., Mueller, B.D., Groves, C.L., Mathew, F.M., Singh, A.K., Kabbage, M., and **Smith, D.L.** 2023. Development of *Glycine max* germplasm highly resistant to *Sclerotinia stem rot*. *PhytoFrontiers*. <https://doi.org/10.1094/PHYTOFR-01-23-0009-R>.
20. Webster, R.W., Mueller, B., Conley, S.P., and **Smith, D.L.** 2023. Integration of soybean (*Glycine max*) resistance levels to *Sclerotinia stem rot* into predictive *Sclerotinia sclerotiorum* apothecial models. *Plant Disease*. <https://doi.org/10.1094/PDIS-12-22-2875-RE>.
21. Webster, R.W., Mueller, B., Chilvers, M.I., Byrne, A., Boyse, J., Widdicombe, W., Mueller, D., Wiggs, S., Kandel, Y., Telenko, D., Ravellette, J., Shim, S., and **Smith, D.L.** 2023. Integrating seeding rates and pesticide programs for managing *Sclerotinia stem rot* in *Glycine max* with nitrogen fertilizer applications. *Plant Health Progress*. <https://doi.org/10.1094/PHP-10-22-0102-RS>.
22. Nieto-Lopez, E.H. Miorini, T.J.J., Wulpk-Gil, C.A., Chilvers, M., Giesler, L.J., Jackson-Ziems, T.A., Kabbage, M., Mueller, D.S., **Smith, D.L.**, Tovar-Pedraza, J.M., Willbur, J.F., and Everhart, S.E. 2023. Fungicide sensitivity of *Sclerotinia sclerotiorum* from U.S. soybean and dry bean, compared to different regions and climates. *Plant Disease*. <https://doi.org/10.1094/PDIS-07-22-1707-RE>.
23. Elmore, M.G., Groves, C., Hajimorad, M.R., Stewart, T.P., Wise, K.A., Sikora, E., Kleczewski, N.M., **Smith, D.L.**, Mueller, D.S., and Whitham, S.A. 2022. Detection and discovery of plant viruses in soybean by metagenomic sequencing. *Virology Journal*. <https://doi.org/10.1186/s12985-022-01872-5>.
24. Westrick, N., Park, S.C., Keller, N., **Smith, D.L.**, and Kabbage, M. 2022. A broadly conserved fungal alcohol oxidase (AOX) facilitates fungal invasion of plants. *Molecular Plant Pathology*. <https://doi.org/10.1111/mpp.13274>.
25. Kandel, Y.R., Lawson, M.N., Brown, M.T., Chilvers, M.I., Kleczewski, N.M., Telenko, D.E.P., Tenuta, A.U., **Smith, D.L.**, and Mueller, D.S. 2022. Field and greenhouse assessment of seed treatment fungicides for management of sudden death syndrome and yield response of soybean. *Plant Disease*. <https://doi.org/10.1094/PDIS-03-22-0527-RE>.
26. Telenko, D.E.P., Chilvers, M.I., Ames, K., Byrne, A.M., Check, J.C., Da Silva, C.R., Jay, W.S., Mueller, B., Ross, T.J., **Smith, D.L.**, and Tenuta, A.U. 2022. Fungicide efficacy during a severe epidemic of tar spot on corn in the United States and Canada. *Plant Health Progress*. <https://doi.org/10.1094/PHP-02-22-0012-BR>.
27. Broders, K., Irriate, G., Bergstrom, G., Byamukama, E., Chilvers, M., Cruz, C., Dalla Lana, F., Malvick, D., Mueller, D., Paul, P., Plewa, D., Raid, R., Robertson, A., Salgado, C., **Smith, D.L.**, Telenko, D., Kleczewski, N., VanEtten, K., and Dury, Z. 2022. Tar spot of maize in Americas is caused by a complex of closely. Related *Phyllachora* species which vary in their host and geographic range. *Ecology and Evolution*. <https://doi.org/10.1002/ece3.8832>.
28. Lipps, S., **Smith, D.L.**, Telenko, D., Paul, P., Kleczewski, N., Jamann, T. 2022. Identification of resistance for *Phyllachora maydis* of maize in exotic-derived germplasm. *Crop Science*. <https://doi.org/10.1002/csc2.20709>.
29. Telenko, D.E.P., Chilvers, M.I., Byrne, A.M., Check, J.C., Da Silva, C.R., Kleczewski, N.M., Roggenkamp, E.E., Ross, T.J., and **Smith, D.L.** 2022. Fungicide efficacy on tar spot and yield of corn in the Midwestern United States. *Plant Health Progress*. <https://doi.org/10.1094/PHP-10-21-0125-RS>.
30. Neves, D.L., Webster, R.W., **Smith, D.L.**, Bradley, C.A. 2022. The G143A mutation in the cytochrome *b* gene is associated with quonone outside inhibitor fungicide resistance in *Cercospora sojae* from soybean fields in Wisconsin. *Plant Health Progress*. <https://doi.org/10.1094/PHP-09-21-0115-BR>.
31. Webster, R.W., Roth, M.G., Mueller, B.D., Mueller, D.S., Chilvers, M.I., Willbur, J.F., Moutzinis, S., Conley, S.P., and **Smith, D.L.** 2022. Integration of row spacing, seeding rates, and fungicide application for control of *Sclerotinia stem rot* in *Glycine max*. *Plant Disease*. <https://doi.org/10.1094/PDIS-09-21-1931-RE>.
32. Reed, H., Mueller, B., Groves, C., and **Smith, D.L.** 2022. Presence and correlation of *Fusarium graminearum* and deoxynivalenol accumulation in silage corn plant parts. *Plant Disease*. <https://doi.org/10.1094/PDIS-03-21-0641-RE>.

33. Grabber, J.H., **Smith, D.L.**, Osterholz, W.R., and Renz, M.J. 2021. Establishment and first year yield of interseeded alfalfa as influenced by corn plant density and treatment with prohexadione, fungicide, and insecticide. *Agronomy*. <https://doi.org/10.3390/agronomy11112343>.
34. Rocco da Silva, C., Check, J., MacCready, J.S., Alakonya, A.E., Beiriger, R., Bissonnette, K.M., Collins, A., Cruz, C.D., Esker, P.D., Goodwin, S.B., Malvick, D., Mueller, D.S., Paul, P., Raid, R., Robertson, A.E., Roggenkamp, E., Ross, T.J., Singh, R., **Smith, D.L.**, Tenuta, A.U., Chilvers, M.I., and Telenko, D.E.P. 2021. Recovery plan for tar spot of corn, caused by *Phyllachora maydis*. *Plant Health Progress*. <https://doi.org/10.1094/PHP-04-21-0074-RP>.
35. McCaghey, M., Shao, D., Kurczewski, J., Lindstrom, A., Ranjan, A., Whitham, S., Conley, S.P., Williams, B., **Smith, D.L.**, and Kabbage, M. 2021. Host-induced gene silencing of a *Sclerotinia sclerotiorum* oxaloacetate acetylhydrolase using bean pod mottle virus as a vehicle reduces disease on soybean. *Frontiers in Plant Science-Plant Pathogen Interactions*. <https://doi.org/10.3389/fpls.2021.677631>.
36. Shao, D.D., **Smith, D.L.**, Kabbage, M., and Roth, M. 2021. Effectors of plant necrotrophic fungi. *Frontiers in Plant Science-Plant Pathogen Interactions*. <https://doi.org/10.3389/fpls.2021.687713>.
37. Reed, H., Mueller, B., Groves, C., and **Smith, D.L.** 2021. Impact of foliar fungicides on disease and silage quality of brown midrib (BMR) corn hybrids in Wisconsin. *Plant Health Progress*. <https://doi.org/10.1094/PHP-02-21-0019-RS>.
38. Bradley, C. A., Allen, T. W., Sisson, A. J., Bergstrom, G. C., Bissonnette, K. M., Bond, J., Byamukama, E., Chilvers, M. I., Collins, A. A., Damicone, J. P., Dorrance, A. E., Dufault, N. S., Esker, P. D., Faske, T. R., Fiorellino, N. M., Giesler, L. J., Hartman, G. L., Hollier, C. A., Isakeit, T., Jackson-Ziems, T. A., Jardine, D. J., Kelly, H. M., Kemeraite, R. C., Kleczewski, N. M., Koehler, A. M., Kratochvil, R. J., Kurle, J. E., Malvick, D. K., Markell, S. G., Mathew, F. M., Mehl, H. L., Mehl, K. M., Mueller, D. S., Mueller, J. D., Nelson, B. D., Overstreet, C., Padgett, G. B., Price, P. P., Sikora, E. J., Small, I., **Smith, D. L.**, Spurlock, T. N., Tande, C. A., Telenko, D. E. P., Tenuta, A. U., Thiessen, L. D., Warner, F., Wiebold, W. J., and Wise, K. A. 2021. Soybean yield loss estimates due to diseases in the United States and Ontario, Canada from 2015 to 2019. *Plant Health Progress*. <https://doi.org/10.1094/PHP-01-21-0013-RS>.
39. Westrick, N.M., **Smith, D.L.**, and Kabbage, M. 2021. Disarming the host: Detoxification of plant defense compounds during fungal necrotrophy. *Frontiers in Plant Science-Plant Pathogen Interactions*. <https://doi.org/10.3389/fpls.2021.651716>.
40. Zambrana-Echevarria, C., Roth, M.G., Dasgupta, R., German, T.L., Groves, C.L., and **Smith, D.L.** 2021. Sensitive and specific qPCR and nested RT-PCR assays for the detection of *Tobacco streak virus* in soybean. *PhytoFrontiers*. <https://doi.org/10.1094/PHYTOFR-11-20-0036-R>.
41. Carpenter, K.A., Sisson, A.J., Kandel, Y.R., Ortiz, V., Chilvers, M.L., **Smith, D.L.**, and Mueller, D.S. 2021. Effect of mowing, seeding rate, and foliar fungicide on soybean *Sclerotinia* stem rot and yield. *Plant Health Progress*. <https://doi.org/10.1094/PHP-11-20-0097-RS>.
42. Webster, R.W., Roth, M.G., Reed, H., Mueller, B., Groves, C.L., McCaghey, M., Chilvers, M.I., Mueller, D.S., Kabbage, M., and **Smith, D.L.** 2021. Identification of soybean (*Glycine max*) check lines for evaluating genetic resistance to *Sclerotinia* stem rot. *Plant Disease*. <https://doi.org/10.1094/PDIS-10-20-2193-RE>.
43. Baetsen-Young, A. M., Araldi Da Silva, G., Kandel Y. R., Jacobs, J. L., Byrne, A. M., Mueller, D. S., **Smith, D. L.**, Tenuta, A. U., Wise, K. A., Day, B., Chilvers, M. I. 2021. Influence of *Fusarium virguliforme* Temporal Colonization of Corn, Tillage and Residue Management upon Soybean Sudden Death Syndrome and Soybean Yield. *Plant Disease*. <https://doi.org/10.1094/PDIS-09-20-1964-RE>.
44. Kandel, Y.R., Hunt, C., Ames, K., Arneson, N., Bradley, C.A. Byamukama, E., Byrne, A., Chilvers, M.I., Giesler, L.J., Halvorson, J., Hooker, D.C., Kleczewski, N.M., Malvick, D.K., Markell, S., Potter, B., Pedersen, W., **Smith, D.L.**, Tenuta, A.U., Telenko, D.E.P., Wise, K.A., and Mueller, D.S. 2021. Meta-analysis of soybean yield response to foliar fungicides evaluated from 2005 to 2018 in the United states and Canada. *Plant Disease*. <https://doi.org/10.1094/PDIS-07-20-1578-RE>.
45. Petrović, K., Skaltsas, D., Castlebury, L. A., Kontz, B., Allen, T. W., Chilvers, I. M., Gregory, N., Kelly, H. M., Koehler, M. A., Kleczewski, N., Mueller, S. D., Price, P. P., **Smith, D.L.**, and Mathew, F. M. 2021. Diaporthe seed decay of soybean (*Glycine max* L.) is endemic in the United States, but new fungi are involved. *Plant Disease*. <https://doi.org/10.1094/PDIS-03-20-0604-RE>.
46. Mueller, B., Groves, C.L., and **Smith, D.L.** 2021. Chemotype and aggressiveness evaluation of *Fusarium graminearum* and *Fusarium culmorum* isolates from wheat fields in Wisconsin. *Plant Disease*. <https://doi.org/10.1094/PDIS-06-20-1376-RE>.
47. Townsend, R., Millican, M.D., **Smith, D.L.**, Nangle, E., Hockemeyer, K., Soldat, D., and Koch, P.L. 2021. Dollar spot suppression on creeping bentgrass in response to repeated foliar nitrogen applications. *Plant Disease*. <https://doi.org/10.1094/PDIS-05-20-1031-RE>.