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Program Overview

The goal of my program at Auburn University is to provide practical solutions to help producers mitigate disease losses in Alabama as well as the southeastern U.S. Research efforts focus on developing and evaluating integrated pest management strategies for diseases of cotton, peanut, small grains, and turfgrass. I leverage and utilize these research efforts to develop an effective, regionally and nationally recognized Extension program in cotton, peanuts, small grains and forages, ornamentals, and turf. My extension program provides diagnostic support and research-based integrated disease management recommendations to stakeholders.

Education

<u>12/2017</u>	Ph. D. Plant Pathology, University of Florida
<u>08/2014</u>	M.S. Plant Pathology, University of Florida
<u>05/2010</u>	B.S. Microbiology and Cell Sciences, University of Florida
<u>12/2007</u>	A.A. Biological Sciences, Santa Fe College

Professional Experience

<u>10/2025-Present</u>	<i>Associate Professor and Extension Plant Pathologist.</i> Auburn University, Department of Entomology and Plant Pathology.
<u>10/2025-Present</u>	<i>Joseph Kloepper Endowed Professor.</i> Auburn University, Department of Entomology and Plant Pathology.
<u>10/2019-10/2025</u>	<i>Assistant Professor and Extension Plant Pathologist.</i> Auburn University, Department of Entomology and Plant Pathology.
<u>01/2018-10/2019</u>	<i>Postdoctoral Research Scholar.</i> North Carolina State University, Department of Entomology and Plant Pathology. Advisor: <i>Inga Meadows</i>
<u>08/2012-12/2017</u>	<i>Graduate Research Assistant.</i> University of Florida, Plant Pathology Department. Advisor: <i>Dr. Mathews L. Paret</i>
<u>12/2010-08/2012</u>	<i>OPS Laboratory Technician IV.</i> Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Plant Pathology Section. Supervisor: <i>Dr. Xiaoan Sun</i>

Awards and Honors (*graduate student in my program)

- **2025-** Auburn University Graduate School Master's Thesis Award for 2025 to 2026. *Karamjit Kaur Baryha- Ph.D., **Co-Advisor- A. Strayer-Scherer.**
- **2025-** 2nd Annual 2025 Plants, Insects and Microbes Symposium- Graduate Student Poster Competition - 2nd Place (\$200), *Kayla Sullins- Ph.D., **Advisor- A. Strayer-Scherer.**
- **2025-** Graduate Student Council Recognition of Service Award, Auburn University (\$1,000), *Karamjit Kaur Baryha- Ph.D., **Co-Advisor- A. Strayer-Scherer.**
- **2025-** Harry Merriwether Fellowship for Fall 2025 and Spring 2026, Auburn University's Graduate School (\$2,000), *Karamjit Kaur Baryah- Ph.D., **Co-Advisor- A. Strayer-Scherer.**
- **2025-** 11th International IPM Symposium Graduate Student Poster Competition - 2nd Place (\$250), *Kayla Sullins- Ph.D., **Advisor- A. Strayer-Scherer.**
- **2025-** Beltwide Cotton Conference- Cotton Disease Council Student Paper Competition- 3rd Place, 2025 Annual Beltwide Cotton Conference, *Maxwell Cavassa- M.S., **Co-Advisor- A. Strayer-Scherer.**
- **2024-** S. Brown, S. Graham, **A. Strayer-Scherer**, R. Smith, B. Ortiz, S. Li, T. Sandlin, R. Prasad, E. McGriff, S. Mack, G. Morata, B. Lanton, and C. Grace. National Association of County Agricultural Agents (NACAA)- Communication Award for Newsletter- State and Regional Winner- The Cotton Shorts Newsletter.
- **2024-** Auburn University College of Agriculture Research Symposium Graduate Student Poster Competition - 2nd Place (\$250), *Kayla Sullins- Ph.D., **Advisor- A. Strayer-Scherer.**
- **2024-** American Peanut Research and Education Society (APRES) Doctoral Student Poster Competition- 2nd Place, APRES Annual Meeting, *Kayla Sullins- Ph.D., **Advisor- A. Strayer-Scherer.**
- **2024-** Recognition of Outstanding Service as Executive VP for Assessment and Continuous Improvement on the Graduate Student Council (\$500)- *Karamjit Kaur Baryah- M.S., **Advisor- A. Strayer-Scherer.**
- **2024-** First Year Experience Excellent Mentor Award- Graduate Student Council and the First Year Experience Committee, *Karamjit Kaur Baryah- M.S., **Advisor- A. Strayer-Scherer.**
- **2024-** January 2024 Graduate Student Council Travel Fellowship (\$400), * Karamjit Kaur Baryah- M.S., **Advisor- A. Strayer-Scherer.**
- **2023-** S.H. Graham, K. Kesheimer, **A. Strayer-Scherer**, E. Sikora, and K. Balkcom. Purchase of Grain Cart GW200A – Par-Kan. Alabama Agricultural Experiment Station Equipment Grant. \$13,683.50.
- **2023-** **A. Strayer-Scherer**, S. Graham, A. Rabinowitz, and K. Kesheimer. National Association of County Agricultural Agents (NACAA)- Communication Award for Audio Recording- State and Regional Winner- The Alabama Crops Report Podcast.
- **2023-** American Phytopathological Society Southern Division (APS-SD) Student Travel Award, APS-SD Annual Meeting (\$500), *Livleen Kaur- M.S., **Advisor- A. Strayer-Scherer.**

- **2023-** American Phytopathological Society Southern Division (APS-SD) Student Poster Competition- 1st Place, APS-SD Annual Meeting, *Kayla Sullins- Ph.D., **Advisor- A. Strayer-Scherer.**
- **2021-** J. Pickens, E. Vinson, E. Coneva, J. Kemble, E. Sikora, K. Kesheimer, A. Rabinowitz, A. Chambliss, H. Willis, K. Conner, W. Sawadgo, M. Ulmer, R. Prasad, S. Thomas, S. Li, J. Jacobi, **A. Strayer-Scherer**, J. Nabors, and A. Majumdar. Outstanding Webinar Award- For the Alabama Extension Commercial Horticulture Webinar Series, The American Society for Horticultural Science Extension Division.
- **2020-** **A. Strayer-Scherer.** Auburn University, Alabama Agricultural Experiment Station Virtual Grant Writing Workshop (Phase I).

Current Graduate Students (Committee 4: *Chair 2 Ph.D., **Co-Chair 1 M.S.)

- *Karamjit Kaur Baryah, 2025-Present, Ph.D., Plant Pathology, Auburn University; Co-Chair: A. Strayer-Scherer.
- Prativa Chhetri, 2025-Present, Ph.D., Plant Pathology, Auburn University, Major Professor Dr. Kathy Lawrence.
- **Maxwell Cavassa, 2023-Present, M.S., Entomology, Auburn University; Co-Chair: S. Graham.
 - *Mr. Cavassa was also a Research Assistant I in my program from 2023-2025.*
- *Kayla Sullins, 2022-Present, Ph.D., Plant Pathology, Auburn University; Co-Chair: D. Held.

Past Graduate Students (Committee 5: * Chair 2 M.S.)

- Eric Melby, 2022, M.S., Plant Pathology, Auburn University; Major Professor: K. Bowen
 - *Currently working for Dr. Henry McLean at Syngenta as a field technician.*
- *Livleen Kaur, 2021-Present, M.S., Plant Pathology, Auburn University
 - *Currently pursuing her doctoral degree in Plant Pathology with Dr. Kevin Hockett at Penn State University.*
- Claire Cook, 2022-Present, M.S., Entomology, Auburn University; Major Professor: S. Graham.
 - *Currently pursuing her doctoral degree in Plant Pathology with Dr. Heather Kelly at the University of Tennessee.*
- Jordan Melson, 2022-Present, M.S., Entomology, Auburn University; Major Professor: D. Held.
 - *Accepted a position as a high school science teacher in Alabama.*
- *Karamjit Kaur Baryah, 2023-2024, M.S., Plant Pathology, Auburn University.
 - *Currently pursuing her doctoral degree in Plant Pathology with Dr. Strayer-Scherer at Auburn University.*

Peer Reviewed Publications (* designates a student and ** designates a research assistant in my research program)

Hagan, A. K., Bowen, K., **Strayer-Scherer, A.**, **Burch, K. B., Miller, H. B., and Thompson, W. **202X.** Plant Growth Regulator and Fungicide Inputs Influence Diseases, Along with

Plant Growth and Yield Parameters for Selected Cotton Cultivars in Alabama. *Journal of Cotton Science*.

Bowen, K., Hagan, A. K., **Strayer-Scherer, A.**, and Parker, C. **202X. [Multi-Year Trials Show Trends in Incidence of Tomato Spotted Wilt in Select Peanut Cultivars](#)**. *PhytoFrontiers*.

Shehata A., Cooke, C., Clark, W. Mayfield, M. A., *Kaur, L., Rios, A., **Burch, K. B., Jordan, H., Jacobson, A., Graham, S. H., **Strayer-Scherer, A.**, and Marin, K. M. **202X. [Unmasking Tomato Spotted Wilt Virus in Peanuts: From Nucleocapsid Protein Sequence and Localization to Practical Management in Alabama](#)**. *Phytopathology*.

Livingston, R., Mayfield, M., Zhao, C., Potnis, N., **Strayer-Scherer, A.**, and Marin, K. M. **2025. [Data Collection and Sequence Analysis of Triticum aestivum samples from Alabama Exhibiting Symptoms of Barley Yellow Dwarf Virus](#)**. *Frontiers in Agronomy*, 7 (1721047).

Rios, A. C., Shehata, A. H., **Strayer-Scherer, A.**, Martin, K. **2025. [Tracking Early Cytological Changes Following Expression of NSm and N proteins from Tomato Spotted Wilt Virus Field Isolates](#)**. *Journal of General Virology*. 106: 002151.

Hagan, A. K., Bowen, K., **Campbell, H. L., **Strayer-Scherer, A.**, and Parker, C. **2025. [Winter Covers, Planting Dates, and Cultivar Influence on Diseases and Nematode Pests of Peanut in a Rainfed Production System](#)**. *Peanut Science*. 52: 129-142.

Cooke, C., Balkcom, K., Martin, K., **Strayer-Scherer, A.**, and Graham, S. **2025. [Evaluation of Variety, Planting Date and Insecticide to Manage Thrips and Tomato Spotted Wilt Virus in Peanuts](#)**. *Peanut Science*. 52:80-88.

Hagan, A. K., Bowen, K., **Strayer-Scherer, A.**, **Campbell, H. L., and Parker, C. **2025. [Impact of Peanut Root-Knot Susceptible and Resistant Cultivars with Nematicides for Managing Meloidogyne arenaria and Yield Response in Peanut](#)**. *Peanut Science*. 52:38-79.

Shehata A., Conner, K. N., Sikora, E. J., **Strayer-Scherer, A.**, and Martin, K. M. **2025. [First Report of the Detection of Soybean Vein Necrosis Virus \(SVNV\) in Peanut in the United States](#)**. *Plant Disease*. doi.org/10.1094/PDIS-01-25-0209-PDN

Koebernick, J.C. Hagan, A. K., Zaccaron, M., Escalante, C., Jacobson, A. L., Bowen, K. L., **Strayer-Scherer, A.**, Heilsnis, B., Brown, S., Sikora, E. J., Allen, T. W., Faske, T. R., Greene, J. K., Huseth, A., Kelly, H., Kemerait, R. C., Kerns, D., Mulvaney, M., Price, P. P., Small, I., Taylor, S., Wang, H., and Conner, K. **2024. [Monitoring the Distribution, Incidence, and Symptom Expression Associated with Cotton Leafroll Dwarf Virus Using a Sentinel Plot System in the Southern United States](#)**. *PhytoFrontiers*. 4:671-681.

*Kaur, L., **Campbell, H. L., Miller, H. B., Parker, C., Burkett, J., and **Strayer-Scherer, A.** **2024. [Response of Selected Peanut Commercial Cultivars to Leaf Spot Diseases as Influenced by Fungicide Inputs](#)**. *Crop Protection*. 10.1016/j.cropro.2024.106781.

*Kaur, L., */**Cavassa, M., **Campbell, H. L., **Burch, K., Hagan, A. K., Parker, C., and **Strayer-Scherer, A.** **2024. [Optimizing Fungicide Programs for Peanut Leaf Spot Management in Southeast Alabama: A Case for Reducing Chlorothalonil Use](#)**. *Crop Protection*. 10.1016/j.cropro.2024.106809.

Hagan, A. K., Bowen, K. L., **Strayer-Scherer, A.**, **Campbell, H. L., and Parker, C. **2024. [Evaluation of Fluopyram for Disease and Root Knot Nematode Control Along with Yield Response on Peanut](#)**. *Crop Protection*. 175:106459.

Strayer-Scherer, A., Sharpe, S. R., Louws, F. J., and Meadows, I. M. **2024. [Evaluation of Systemic Acquired Resistance Inducers for the Management of Copper and Streptomycin Resistant Strains of Xanthomonas perforans on Tomato](#)**. *Crop Protection*. 175:106430.

Reeves, E., **Strayer-Scherer, A.**, Panthee, D. R., Gardner, R., and Meadows, I. M. **2023.** [Variable Yield Responses Among Grafted and Non-grafted Late Blight Resistant Tomato Hybrids in North Carolina.](#) HortScience. 58:943-948.

Strayer-Scherer, A., Hong, J. H., Timilsina, S., Liao, YY., M. L. Young, M., Santra, S., Rosskopf, E., Vallad, G. E., Jones, J.B., and Paret, M. L. **2022.** [Simulated Leaching of Foliar Applied Copper Bactericides on the Soil Microbiome Utilizing Various Beta Diversity Resemblance Matrices.](#) Microbiology Spectrum. 10:e01481-21.

Klein-Gordon, J., Xing, Y., Garrett, K. A., Abrahamian, P., Paret, M. L., Minsavage, G. V., **Strayer-Scherer, A.**, Fulton, J., Timilsina, S., Jones, J. B., Vallad, G. E., and Goss, E. M. **2021.** [Assessing Changes and Associations in the *Xanthomonas perforans* Population Across Florida Commercial Tomato Fields Via a State-wide Survey.](#) Phytopathology. 111:1029-1041.

Strayer-Scherer, A., Jones, J. B., and Paret, M. L. **2019.** [Recombinase Polymerase Amplification Assay for Field Detection of Tomato Bacterial Spot Pathogens.](#) Phytopathology. 109:690-700.

Liao, YY., **Strayer-Scherer, A.**, White, J.C., Mukherjee, M., Elmer, W., Ritchie, L., Clark, D., Freeman, J., Jones, J. B., and Paret, M. L. **2019.** [Nano-Magnesium Oxide: A novel Bactericide Against Copper-Tolerant *Xanthomonas perforans* Causing Tomato Bacterial Spot.](#) Phytopathology. 109:52-62.

Larrea-Sarmiento, A., Dhakal, U., Boluk, G., Fatdal, L., Alvarez, A., **Strayer-Scherer, A.**, Paret, M., Jones, J. B., Jenkins, D., and Arif, M. **2018.** [Development of a Genome-Informed Loop - Mediated Isothermal Amplification Assay for Rapid and Specific Detection of *Xanthomonas euvesicatoria*.](#) Scientific Reports. 8:14298.

Strayer-Scherer, A., Liao, YY., Young, M., Ritchie, L., Vallad, G. E., Santra, S., Freeman, J.H., Clark, D., Jones, J.B., and Paret, M. L. **2018.** [Advanced Copper Composites against Copper-Tolerant *Xanthomonas perforans* and Tomato Bacterial Spot.](#) Phytopathology. 108:196-205.

Strayer-Scherer, A. **2017.** Novel Approaches for the Diagnosis and Management of Bacterial Spot of Tomato. Doctoral Dissertation. University of Florida.

Strayer, A., Jeyaprakash, A., Minsavage, J., Timilsina, S., Vallad, G. E., Jones, J. B., and Paret, M. L. **2016.** [A Multiplex Real-Time PCR Assay Differentiates Four *Xanthomonas* Species Associated with Bacterial Spot of Tomato.](#) Plant Disease. 100:1660-1668.

Strayer, A., Ocsoy, I., Tan, W., Jones, J. B., and Paret, M. L. **2016.** [Low Concentrations of a Silver-Based Nanocomposite to Manage Bacterial Spot of Tomato in the Greenhouse.](#) Plant Disease. 100:1460-1465.

Ivey, M. L., **Strayer, A.**, Sidhu, J. K., and Minsavage, G. V. **2016.** [Bacterial Leaf Spot of Tomato \(*Solanum lycopersicum*\) in Louisiana is Caused by *Xanthomonas perforans*, Tomato Race 4.](#) Plant Disease. 100:1233.

Ivey, M. L., **Strayer, A.**, Sidhu, J. K., and Minsavage, G. V. **2016.** [Bacterial Leaf Spot of Bell Pepper \(*Capsicum annuum*\) in Louisiana is Caused by *Xanthomonas euvesicatoria* Pepper Races 1 and 3.](#) Plant Disease. 100:853-853.

Potnis, N., Timilsina, S., **Strayer, A.**, Shanharaj, D., Barak, J. D., Paret, M. L., Vallad, G. E. and Jones, J. B. **2015.** [Bacterial Spot of Tomato and Pepper: Diverse *Xanthomonas* Species with a Wide Variety of Virulence Factors Posing a Worldwide Challenge.](#) Molecular Plant Pathology. 16:907-920.

Strayer, A. **2014.** Diagnostic and Disease Management Strategies for Bacterial Spot and Bacterial Wilt of Tomato. Master's Thesis. University of Florida.

Kebede, M., Timilsina, S., Ayalew, A., Admassu, B., Potnis, N., Minsavage, G. V., Goss, E. M., Hong, J. C., **Strayer, A.**, Paret, M., Jones, J. B., and Vallad, G. E. **2014.** [Molecular Characterization of *Xanthomonas* Strains Responsible for Bacterial Spot of Tomato in Ethiopia.](#) European Journal of Plant Pathology. 1-12.

Strayer, A., Garcia-Maruniak, A., Sun, X., Schubert, T., and Sutton, B. **2012.** [First Report of *Pseudomonas cichorii* Causing Leaf Spot of Stevia Detected in Florida.](#) Plant Disease. 96:1690.

Referred articles in Progress (1 total):

Escalante, C., Reyes, A. M., Zhao, C., Balkcom, K., Jacobson, A., **Strayer-Scherer, A.**, Martin, K. M., Koebernick, J., Huseth, A., Koziel, E., Small, I., Greene, J., Otulak-Kosiel, K., Mulvaney, M. J., Price, P., Alcalá Briseño, R. I., Bag, S., and Conner, K. Metatranscriptomics Analysis Reveals the Cotton Virome in the Southern United States. *Accepted with revisions by Scientific Reports on December 18th, 2025.*

Non-Referred Articles (* designates a student and ** designates a research assistant in my research program; * designates an ACES Regional Extension Agent)**

*Kaur, L., **Campbell, H.L., **/**Cavassa, M., **Burch, K., Parker, C., and **Strayer-Scherer, A.** **2024.** [Evaluation of Alternatives to Chlorothalonil for Peanut Disease Control in Southeast Alabama, 2023.](#) Plant Disease Management Reports. 18:CF045.

Strayer-Scherer, A., **/**Cavassa, M., **Campbell, H.L., and H. B. Miller. **2024.** [Yield and Disease Activity as Impacted by Peanut Cultivars and Fungicide Inputs in Southwest Alabama, 2023.](#) Plant Disease Management Reports. 18:CF043.

Strayer-Scherer, A., **/**Cavassa, M., **Campbell, H.L., and T. Frank. **2024.** [Yield and Disease Activity as Impacted by Peanut Cultivars and Fungicide Inputs in Fairhope, Alabama, 2023.](#) Plant Disease Management Reports. 18:CF049.

Strayer-Scherer, A., **/**Cavassa, M., **Campbell, H.L., and N. Stockdale. **2024.** [Yield and Disease Activity as Impacted by Peanut Cultivars and Fungicide Inputs in Central Alabama, 2023.](#) Plant Disease Management Reports. 18:CF048.

Strayer-Scherer, A., **/**Cavassa, M., **Campbell, H.L., and C. Parker. **2024.** [Evaluation of Five, Six, and Seven Application Fungicide Programs for Peanut Disease Control in Southeast Alabama, 2023.](#) Plant Disease Management Reports. 18:CF042.

Campbell, H. L., **Scherer, A., and Parker, C. **2023.** [Evaluation of Fontelis, Provost Silver, and Excalia for Peanut Disease Control in Southeast Alabama, 2022.](#) Plant Disease Management Reports. 17:CF027.

Campbell, H. L., **Scherer, A., and Parker, C. **2023.** [Evaluation of Lucento for Peanut Disease Control in Southeast Alabama, 2022.](#) Plant Disease Management Reports. 17:CF026.

Campbell, H. L., **Scherer, A., and Parker, C. **2023.** [Evaluation of Five, Six and Seven Application Programs for Peanut Disease Control in Alabama, 2022.](#) Plant Disease Management Reports. 17:CF025.

Campbell, H. L., **Scherer, A., and Parker, C. **2023.** [Evaluation of Provysol and BAS 752 11F for Peanut Disease Control in Southeast Alabama, 2022.](#) Plant Disease Management Reports. 17:CF024.

Hagan, A.K., **Strayer-Scherer, A.**, **Burch, K., and Miller, H. B. **2023.** [Fungicides Compared for Sclerotinia Stem Rot Control and Yield Response on Carinata, 2022.](#) Plant Disease Management Reports. 17:CF023.

Hagan, A.K., **Strayer-Scherer, A.**, **Burch, K., and Canterbury, J. **2023. Yield Response and Sclerotinia Stem Rot Development on Carinata Selections in Central Alabama, 2022.** Plant Disease Management Reports. 17:CF022.

Strayer-Scherer, A., ***Mack, S. L., *Kaur, L., **Campbell, H. L., and Parker, C. **2023. Yield and Disease Activity as Impacted by Peanut Cultivars and Fungicide Inputs in Southeast Alabama, 2022.** Plant Disease Management Reports. 17:CF019.

Strayer-Scherer, A., **Campbell, H. L., *Kaur, L., and Miller, H. B. **2023. Yield and Disease Activity as Impacted by Peanut Cultivars and Fungicide Inputs in Southwest Alabama, 2022.** Plant Disease Management Reports. 17:CF018.

Strayer-Scherer, A., **Campbell, H. L., and Parker, C. **2023. Disease Control and Yield Response with Recommended Fungicide Programs on Two Peanut Cultivars in Southeast Alabama, 2022.** Plant Disease Management Reports. 17:CF017.

*Kaur, L., **Campbell, H. L., Parker, C., and **Strayer-Scherer, A.** **2023. Evaluation of Alternatives to Chlorothalonil for Peanut Disease Control in Southeast Alabama, 2022.** Plant Disease Management Reports. 17:CF016.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., and Miller, H. B. **2022. Yield Response and Sclerotinia Stem Rot Control with Selected Fungicides on Carinata, 2021.** Plant Disease Management Reports. 16:CF011.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of Alternatives to Chlorothalonil for Peanut Disease Control in Southeast Alabama, 2021.** Plant Disease Management Reports. 16:CF016.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of Convoy, Umbra and Pyraziflumid for Peanut Disease Control in Southeast Alabama, 2021.** Plant Disease Management Reports. 16:CF017.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of MCW 456 500 for Peanut Disease Control in Southeast Alabama, 2021.** Plant Disease Management Reports. 16:CF018.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of Five Application and Seven Application Programs for Peanut Disease Control in Alabama, 2021.** Plant Disease Management Reports. 16:CF019.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of Provost Silver and Excalia for Peanut Disease Control in Southeast Alabama, 2021.** Plant Disease Management Reports. 16:CF020.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of Lucento for Peanut Disease Control in Southeast Alabama, 2021.** Plant Disease Management Reports. 16:CF022.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of Provisol for Peanut Disease Control in Southeast Alabama, 2021.** Plant Disease Management Reports. 16:CF023.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of Sulfur as an Enhancement for Peanut Disease Control in Southeast Alabama, 2021.** Plant Disease Management Reports. 16:CF024.

Campbell, H. L., **Scherer, A., and Parker, C. **2022. Evaluation of Sulfur as an Enhancement for Peanut Disease Control in Southeast Alabama, 2021.** Plant Disease Management Reports. 16:CF024.

Strayer-Scherer, A., Sikora, E., Hagan, A. K., Conner, K., and Koebernick, J. **2022. Distribution and Severity of Disease Caused by a Cotton Leafroll Dwarf Virus (CLRDV) –**

[Related Virus in Alabama Cotton](#), pp. 82-86. *In* S. H. Graham and S.M. Brown (ed.), Auburn University Crops: Cotton Research Report 2021 No. 45. AAES.

Strayer-Scherer, A., and Koebernick, J. 2022. [Impact of Impact of Cultivar Selection, Cropping Practices, and Fungicide Inputs on Cotton Yield and Quality as Influenced by Areolate Mildew, Target Spot, and Hardlock](#), pp. 73-81. *In* S. H. Graham and S.M. Brown (ed.), Auburn University Crops: Cotton Research Report 2021 No. 45. AAES.

Campbell, H. L., **Scherer, A., Hagan, A. K., and Wells, L. **2021. [Evaluation of Omega 500F and MCW 456 500 for Peanut Disease Control in Southeast Alabama, 2020](#)**. Plant Disease Management Reports. 15:CF097.

Campbell, H. L., **Scherer, A., Hagan, A. K., and Wells, L. **2021. [Evaluation of SA-0790002 and SA-0790001 for Peanut Disease Control in Southeast Alabama, 2020](#)**. Plant Disease Management Reports 15:CF098.

Campbell, H. L., **Scherer, A., Hagan, A. K., and Wells, L. **2021. [Evaluation of Lucento for Peanut Disease Control in Southeast Alabama, 2020](#)**. Plant Disease Management Reports 15:CF099.

Campbell, H. L., **Scherer, A., Hagan, A. K., and Wells, L. **2021. [Evaluation of Provost Silver for Peanut Disease Control in Southeast Alabama, 2020](#)**. Plant Disease Management Reports. 15:CF100.

Campbell, H. L., **Scherer, A., Hagan, A. K., and Wells, L. **2021. [Evaluation of Umbra and NAI-686 for Peanut Disease Control in Southeast Alabama, 2020](#)**. Plant Disease Management Reports. 15:CF101.

Campbell, H. L., **Scherer, A., Hagan, A. K., and Wells, L. **2021. [Evaluation of Aproach Prima for Peanut Disease Control in Southeast Alabama, 2020](#)**. Plant Disease Management Reports. 15:CF102.

Campbell, H. L., **Scherer, A., Hagan, A. K., and Wells, L. **2021. [Evaluation of Alternatives to Chlorothalonil for Peanut Disease Control in Southeast Alabama, 2020](#)**. Plant Disease Management Reports. 15:CF103.

Hagan, A. K., **Strayer-Scherer, A.**, Jordan, H., and Parker, C. **2021. [Disease Response and Yield of Rainfed Runner Peanut Cultivars and Advanced Breeding Lines, 2020](#)**. Plant Disease Management Reports 15:CF135.

Hagan, A. K., **Strayer-Scherer, A.**, Jordan, H., and Parker, C. **2021. [Disease Response and Yield of Irrigated Runner Peanut Cultivars and Advanced Breeding Lines, 2020](#)**. Plant Disease Management Reports 15:CF136.

Hagan, A. K., **Strayer-Scherer, A.**, Chen, C., and Parker, C. **2021. [Peanut Breeding Lines Compared with Commercial Cultivars for Disease Response and Yield, 2020](#)**. Plant Disease Management Reports 15:CF137.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., and Scott, S. **2021. [Target Spot Intensity and Yield Response of Cotton Cultivars to Fungicide Inputs, 2020](#)**. Plant Disease Management Reports. 15:CF155.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., and Miller, H. B. **2021. [Target Spot Defoliation and Yield of Cotton Cultivars as Impacted by Fungicide Inputs, 2020](#)**. Plant Disease Management Reports. 15:CF156.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., and Moore, D. **2021. [Yield and Target Spot Response for Selected Cotton Cultivars to Fungicide Inputs in Central Alabama, 2020](#)**. Plant Disease Management Reports. 15:CF157.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., and Miller, H. B. **2021. Fungicide Standards Compared for Target Spot Control on Cotton, 2020.** Plant Disease Management Reports. 15:CF158.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Parker, C. **2021. Yield and Disease Activity of Selected Peanut Cultivars as Impacted by Fungicide Inputs, 2020.** Plant Disease Management Reports. 15:CF182.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Parker, C. **2021. Disease Control and Yield Response with Recommended Fungicide Programs on Peanut, 2020.** Plant Disease Management Reports. 15:CF183.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, Pegues, M., and Jones, J. **2021. Fungicide Inputs Impact Diseases and Yield of Runner Peanut Cultivars in Southwest Alabama, 2020.** Plant Disease Management Reports. 15:CF184.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, Pegues, M., and Jones, J. **2021. Recommended Fungicide Program Efficacy and Yield Response of Two Peanut Cultivars, 2020.** Plant Disease Management Reports. 15:CF185.

Hagan, A.K., **Strayer-Scherer, A.**, and **Burch, K., **2021. Yield and Target Spot Response for Cotton Cultivars and Advanced Breeding Lines in Central Alabama, 2020.** Plant Disease Management Reports. 15:CF194.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Parker, C. **2021. Winter Cover and Cultivar Impact on Diseases, Root-Knot Nematode, and Yield of Rainfed Peanuts, 2020.** Plant Disease Management Reports. 15:CF234.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Parker, C. **2021. Impact of Winter Cover and Cultivar on Diseases, Root-knot Nematode, and Yield of Rainfed Peanuts, 2019.** Plant Disease Management Reports. 15:CF235.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Burkett, J.C. **2021. Disease Control and Yield Response as Impacted by Fungicide Programs on Peanut, 2020.** Plant Disease Management Reports. 15:CF236.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Burkett, J.C. **2021. Yield and Disease as Impacted by Fungicide Inputs on Commercial Peanut Cultivars in Central Alabama, 2020.** Plant Disease Management Reports. 15:CF237.

Hagan, A. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Parker, C. **2021. Nematicides Compared for Disease and Nematode Control along with Peanut Yield Response, 2020.** Plant Disease Management Reports 15:N018.

Koebernick, J., Brown, S. M., **Strayer-Scherer, A.**, Conner, K., Hagan, A. K., Sikora, E., Jacobson, A., and Bowen, K. L. **2021. Onset and Development of Disease Caused by a Cotton Leafroll Dwarf Virus (CLRDV) – Related Virus in Alabama Cotton,** pp. 87-91. In K.S. Lawrence and S.M. Brown (ed.), Auburn University Crops: Cotton Research Report 2020 No. 45. AAES.

Hagan, H. K., **Campbell, H. L., and **Strayer-Scherer, A.**, **2020. Yield and Disease Activity as Impacted by Fungicide Inputs of Peanut Cultivars in Alabama, 2019.** Plant Disease Management Reports. 14:CF029.

Hagan, H. K., **Campbell, H. L., and **Strayer-Scherer, A.**, **2020. Disease Control and Yields with Recommended Fungicide Programs on Two Peanut Cultivars, 2019.** Plant Disease Management Reports. 14:CF030.

Hagan, H. K., **Campbell, H. L., **Strayer-Scherer, A.**, Pegues, M., and Jones, J. **2020.** [Disease and Yield of Runner Peanut Cultivars as Impacted by Fungicide Inputs in Southwest Alabama, 2019.](#) Plant Disease Management Reports. 14:CF031.

Hagan, H. K., **Campbell, H. L., **Strayer-Scherer, A.**, Pegues, M., and Jones, J. **2020.** [Recommended Fungicide Program Efficacy Impacts Yield of Two Peanut Cultivars in Alabama, 2019.](#) Plant Disease Management Reports. 14:CF032.

Hagan, H. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Burkette, J. **2020.** [Yield and Diseases as Impacted by Fungicide Inputs on Peanut Cultivars in Central Alabama, 2019.](#) Plant Disease Management Reports. 14:CF155.

Hagan, H. K., **Campbell, H. L., **Strayer-Scherer, A.**, and Burkette, J. **2020.** [Yield and Disease Response with Recommended Fungicides on Two Peanut Cultivars in Central Alabama, 2019.](#) Plant Disease Management Reports. 14:CF159.

Sharpe, S.R., **Strayer-Scherer, A.**, Meadows, I. M. **2020.** [Evaluation of Conventional and Organic Spray Programs for Control of Bacterial Spot on Fresh-Market Tomato, 2019.](#) Plant Disease Management Reports. 14:CF153.

Sharpe, S.R., **Strayer-Scherer, A.**, Meadows, I. M. **2020.** [Efficacy of Fungicides for Control of Early Blight on Tomato, 2019.](#) Plant Disease Management Reports. 14:CF154.

Strayer, A. **2012.** [Elsinoë fawcettii Bitanc. & Jenkins 1936.](#) Encyclopedia of Life.

Book Chapters

Hagan, A., and **Strayer-Scherer, A.** **2025.** *Areolate Mildew*. In “Compendium of Cotton Diseases and Pests, 3rd Edition. Faske, Kikpartick, Rothrock, and Woodward. American Phytopathological Society (APS Press).

Timilsina, S., **Strayer-Scherer, A.**, Minsavage, G. V., Jacques, M.A., Fischer-Le Saux, M., Pruvost, O., Bull, C. T., Miller, S. A., and Jones, J. B. **2025.** *Xanthomonas*. In “Laboratory Guide for Identification of Plant Pathogenic Bacteria, 4th Edition”. Jones, J. B., Sundin, G., and Miller, S. A. American Phytopathological Society (APS Press).

Strayer-Scherer, A., Miller, S. A., and Jones, J. B. **2025.** Real-time PCR Appendix. In “Laboratory Guide for Identification of Plant Pathogenic Bacteria, 4th Edition”. Jones, J. B., Sundin, G., and Miller, S. A. American Phytopathological Society (APS Press).

Book Chapters in Progress:

Hagan, A., and **Strayer-Scherer, A.** *Southern Blight*. In “Diseases of Woody Ornamentals and Trees in Nurseries, Second Edition.” Pscheidt, J. American Phytopathological Society (APS Press). *In progress, chapter submitted to editor in March 2021.*

Hagan, A., and **Strayer-Scherer, A.** *Crepe myrtle Diseases*. In “Diseases of Woody Ornamentals and Trees in Nurseries, Second Edition.” Pscheidt, J. American Phytopathological Society (APS Press). *In progress, chapter submitted to editor in March 2021.*

Hagan, A., and **Strayer-Scherer, A.** *Daphne Diseases*. In “Diseases of Woody Ornamentals and Trees in Nurseries, Second Edition.” Pscheidt, J. American Phytopathological Society (APS Press). *In progress, chapter submitted to editor in March 2021.*

Hagan, A., and **Strayer-Scherer, A.** *Indian Hawthorn Diseases*. In “Diseases of Woody Ornamentals and Trees in Nurseries, Second Edition.” Pscheidt, J. American Phytopathological Society (APS Press). *In progress, chapter submitted to editor in March 2021.*

Hagan, A., and **Strayer-Scherer, A.** *Photinia Diseases*. In “Diseases of Woody Ornamentals and Trees in Nurseries, Second Edition.” Pscheidt, J. American Phytopathological Society (APS Press). *In progress, chapter submitted to editor in March 2021.*

Abstracts (* designates a student and ** designates a research assistant in my research program)

Strayer-Scherer, A., *Kaur, L., */**Cavassa, M., **Campbell, H. L., **Burch, K. B., Hagan, A. K., and Parker, C. **2025**. Reducing Chlorothalonil Use in Peanut Disease Management. 2025 Plant Health.

Burch, K. B., Jordan, H., Miller, H. B., Canterbury, J., Frank, E. T., McElmoyl, C., Stockdale, N., and **Strayer-Scherer, A. **2025**. Impact of Cultivar Selection on Barley Yellow Dwarf Virus in Alabama Wheat. 2025 Plant Health.

Molina, C. M., Akhtar, A., Bish, M., Bissonnette, K., Floyd, C., Isakeit, T., Kelly, H. M., Kemerait, R. C., Lawrence, K., Moncolva-Santana, C., Wilson, B., Mueller, J., **Strayer-Scherer, A.**, Price, T., Small, I. M., Allen, T.W., Spurlock, T., and Rojas, A. **2025**. Monitoring and Detection of Emerging Cotton Foliar Pathogens: Advancements in Spore-Based Surveillance and Diagnostic Assays. 2025 Plant Health.

Bragg, M., Kelly, H. M., Allen, T. W., Ahumada, D., Bayles, M., Bissonnette, K., Duffeck, M., Faske, T. R., Floyd, C., Kemerait, R. C., Lawrence, K., Moncolva-Santana, C., Price, T., Rojas, A., Small, I. M., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T., Wilkerson, T., and Noel, Z. A. **2025**. Monitoring Cotton Soilborne Seedling Diseases Through Metabarcoding and Shotgun Metagenomics. 2025 Plant Health.

*/**Cavassa, M., Parker, C., Graham, S., and **Strayer-Scherer, A.** **2025**. Impact of In-Furrow Nematicides and Cultivar Selection on *Meloidogyne arenaria* Populations and Yield in Alabama Peanuts. 2025 Plant Health.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. H. **2025**. Rooting for Sustainability: Utilization of Beneficial Soil Microbes for Enhanced Disease Suppression in Peanut Production Systems. 2025 Plant Health.

*Baryah, K., **Burch, K. B., Miller, H. B., Canterbury, J., and **Strayer-Scherer, A.** **2025**. Influence of Cultivar Selection and Fungicide Applications on Foliar Diseases and Yield on Alabama Cotton. 2025 Plant Health.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. **2025**. Rooting for Sustainability: Utilization of Plant Growth-Promoting Rhizobacteria as a Biological Control in Peanut Production. The American Peanut Research and Education Society 57th Annual Meeting.

*/**Cavassa, M., **Strayer-Scherer, A.**, and Graham, S. **2025**. Quantifying In-Furrow Insecticide Persistence and Its Effects on Tomato Spotted Wilt Virus in Peanut. The American Peanut Research and Education Society 57th Annual Meeting.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. **2025**. Rooting for Sustainability: Utilization of Plant Growth-Promoting Rhizobacteria as a Biological Control In Turfgrass Management. 2025 Plants, Insects and Microbes Symposium.

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** **2025**. Investigation of Isolation, Characterization and Storage Methodologies on *Ramularia* Species. 2025 Plants, Insects and Microbes Symposium.

*/**Cavassa, M., **Strayer-Scherer, A.**, and Graham, S. **2025**. In-Furrow Insecticide persistence and Effects on Peanuts and Cotton in Southeast Alabama. 2025 Plants, Insects and Microbes Symposium.

Bragg, M., Kelly, H. M., Allen, T., Bayles, M. B., Bissonnette, K., Duffeck, M. R., Fakse, T. R., Floyd, C. A., Kemerait, R. C., Lawrence, K., Monclova-Santana, C., Price, P., Rojas, A., Small, I. A., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T. A., Wilkerson, T. H., and Noel, Z. A. **2025**. Monitoring Cotton Soilborne Seedling Disease Through Metabarcoding and Shotgun Metagenomics. 2025 Plants, Insects and Microbes Symposium.

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** **2025**. Characterization and Isolation of Populations of *Ramularia* species in Alabama Cotton. 2025 American Phytopathological Society Joint Southern Division and Caribbean Division Meeting.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. **2025**. Characterization of Plant Growth-Promoting Rhizobacteria for Growth Promotion and Disease Suppression in Peanuts and Turfgrass. 2025 American Phytopathological Society Joint Southern Division and Caribbean Division Meeting.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. **2025**. Rooting for Sustainability: Plant Growth-Promoting Rhizobacteria as a Biological Tool in Turfgrass. 11th Internation IPM Symposium 2025- Pest Management in Changing Environments.

Zuchelli, E., Kelly, H., Kerns, S., Marques, L., Guyer, R., Schutz, E., Allen, T. W., Wilkerson, T. H., Colyer, P. D., **Strayer-Scherer, A.**, Lawrence, K., Isakeit, T., Kemerait, R. C., Mehl, H. L., Price, P., Spurlock, T., Thiessen, L., Wheeler, T., Monclova-Santana, C., Woodward, M., Duffeck, M., Ali, A., Woodward, J., and Small, I. **2025**. Effects of Weather and Disease on Cotton Seedling Emergence. 2025 American Phytopathological Society Joint Southern Division and Caribbean Division Meeting.

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** **2025**. Isolation and Characterization of *Ramularia* Species Populations in Alabama Cotton. Annual Beltwide Cotton Conference 2025.

*/**Cavassa, M., Graham, S., and **Strayer-Scherer, A.** **2025**. Quantifying In-furrow Insecticide Persistence and Its Effects on Cotton Aphid and CLRDV. Annual Beltwide Cotton Conference 2025.

Ali, A., Allen, T. W., Bish, M., Bissonnette, K., Floyd, C., Kelly, H., Kemerait, R. C., Lawrence, K., **Strayer-Scherer, A.**, Noel, Z., Monclova-Santana, C., Mueller, J., Price, T., Small, I., Spurlock, T., and Wilson, B. **2025**. Distribution and Impact of Areolate mildew on Cotton in the Southern United States. Annual Beltwide Cotton Conference 2025.

Zuchelli, E., Kelly, H., Kerns, S., Marques, L., Guyer, R., Schutz, E., Allen, T. W., Wilkerson, T. H., Colyer, P. D., **Strayer-Scherer, A.**, Lawrence, K., Isakeit, T., Kemerait, R. C., Mehl, H. L., Price, P., Spurlock, T., Thiessen, L., Wheeler, T., Monclova-Santana, C., Woodward, M., Duffeck, M., Ali, A., Woodward, J., and Small, I. **2025**. Effects of Weather and Disease on Cotton Seedling Emergence. Annual Beltwide Cotton Conference 2025.

Kelly, H. M., Zuchelli, E., Marques, L., Duffeck, M., Allen, T., Wilkerson, T. H., Ahumada, D., Kemerait, R. C., Noel, Z., Bragg, M., Lawrence, K., **Strayer-Scherer, A.**, Wheeler, T., Floyd, C., Price, P., Faske, T., Spurlock, T. and Small, I. **2025**. Report of the Cottonseed Treatment Committee for 2024. Annual Beltwide Cotton Conference 2025.

Noel, Z., Allen, T. W., Bissonnette, K., Bragg, M., Floyd, C., Kelly, H., Kemerait, R. C., Price, T., Rojas, A., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T., and Wilkerson, T. H.

2025. Thirty Years of the National Cotton Seed Treatment Trials and Seedling Disease Trends across the U.S. Annual Beltwide Cotton Conference 2025.

Bragg, M., Kelly, H., Allen, T. W., Bayles, M., Bissonnette, K., Faske, T., Floyd, C., Kemerait, R. C., Lawrence, K., Monclova-Santana, C., Price, T., Rojas, A., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T., Wilkerson, T. H., and Noel, Z. **2025.** Monitoring Cotton Soilborne Seedling Diseases Through Metabarcoding and Shotgun Metagenomics. Annual Beltwide Cotton Conference 2025.

*/**Cavassa, M., Graham, S., and **Strayer-Scherer, A.** **2024.** Evaluation of systemic insecticide residues in peanuts and cotton in Alabama. Entomological Society of America Annual Meeting 2024.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. W. **2024.** Utilization of Plant Growth-Promoting Rhizobacteria for Disease Suppression of *Rhizoctonia solani* and Growth Promotion in Peanuts and Turfgrass. Plant Health 2024.

Allen, T., Spurlock, T., Ali, A., Bish, M., Kelly, H., Isakeit, T., Kemerait, R., McDonald, D., Mueller, J., Price, P., Rojas, A., Small, I., and **Strayer-Scherer, A.** **2024.** Three Years of the Cotton National Predictive Modeling Tool Initiative Foliar Fungicide Trial Plots. Plant Health 2024.

*Baryah, K., **Strayer-Scherer, A.**, **Burch, K., and Mote, H. **2024.** Two-Year Evaluation of the Impact of Cultivar Selection on Areolate Mildew and Target Spot on Alabama Cotton. Plant Health 2024.

Bragg, M., Kelly, H., Allen, T., Bayles, M., Bissonnette, K., Floyd, C., Kemerait, R., Lawrence, K., Monclova-Sanatana, C., Price, P., Rojas, A., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T., Wilkerson, T., and Noel, Z. **2024.** Monitoring Cotton Soil-Borne Seedling Diseases Through Metabarcoding and Shotgun Metagenomics. Plant Health 2024.

Spurlock, T., Ali, A., Allen, T., Bissonnette, K., Duffeck, M., Floyd, C., Kemerait, R., Mueller, J., Noel, Z., Price, P., Small, I., and **Strayer-Scherer, A.** **2024.** Determining the Regional Distribution of *Corynespora cassiicola* and *Ramulariopsis* sp. Through Spore Trapping in 2021 and 2022. Plant Health 2024.

*/**Cavassa, M., Graham, S., and **Strayer-Scherer, A.** **2024.** Analyzing the Effects of Differing Seeding Rates on Thrips Infestations and Tomato Spotted Wilt Virus Incidence. The American Peanut Research and Education Society 56th Annual Meeting.

Hagan, A. K., **Strayer-Scherer, A.**, Campbell, H. L., and Bowen, K. L. **2024.** Winter Cover Crop and Planting Date Influence on Tomato Spotted Wilt, Leaf Spot, Stem Rot, Peanut Root-Knot, and Yield of Two Peanut Cultivars in a Dryland Production System from 2014 to 2016. The American Peanut Research and Education Society 56th Annual Meeting.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. W. **2024.** Utilization of Plant Growth-Promoting Rhizobacteria as a Potential Biocontrol of *Rhizoctonia solani* in Peanuts. The American Peanut Research and Education Society 56th Annual Meeting.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. W. **2024.** Utilization of Plant Growth-Promoting Rhizobacteria for Disease Suppression of *Rhizoctonia solani* and Growth Promotion in Peanuts and Turfgrass. The First Plants, Insects, and Microbes Symposium 2024- Entomology and Plant Pathology Department Auburn University.

*Baryah, K., Burch, K., Mote, H., and **Strayer-Scherer, A.** **2024.** Areolate Mildew and Target Spot: Impact of Cultivar Selection and Fungicide Applications on disease severity and yield in

Alabama Cotton. The First Plants, Insects, and Microbes Symposium 2024- Entomology and Plant Pathology Department Auburn University.

*/**Cavassa, M., Graham, S., and **Strayer-Scherer, A.** 2024. Utilizing Seeding Rates as a Method of Controlling Thrips and Tomato Spotted Wilt Virus in Peanuts. Entomological Society of America Annual Southeastern Branch Division Meeting 2024.

*Brayah, K., **Strayer-Scherer, A.**, **Burch, K., and Mote, H. 2024. Areolate Mildew and Target Spot: Impact of Cultivar Selection and Fungicide Applications on Disease Severity and Yield in Alabama Cotton. American Phytopathological Society-Southern Division Annual Meeting 2024.

Shehata, A., **Strayer-Scherer, A.**, Jacobson, A., and Martin, K. 2024. Nucleocapsid Protein Comparison Between Tomato Spotted Wilt Virus and Soybean Vein Necrosis Virus: Two Important Orthotospoviruses. American Phytopathological Society-Southern Division Annual Meeting 2024.

Strayer-Scherer, A., **Burch, K., and Mote, H. 2024. Evaluating the Impact of Fungicide Application Timings on Areolate Mildew and Target Spot on Cotton in Alabama. Annual Beltwide Cotton Conference 2024.

Pate, S. N., Guyer, R. R., Schutz, E., Bayles, M.B., Ali, A., Allen, T. W., Wilkerson, T., Kemerait, R., Lawrence, K., **Strayer-Scherer, A.**, Monclova-Sanatana, C., Wheeler, T. A., Woodward, M. L., Woodward, J., Thiessen L. D., Isakeit, T., Mehl, H., Price, P., Colyer, P. D., Rojas, A., Spurlock, T., Small, I., and Kelly, H. M. 2024. Performance of Seed Treatments Controlling Cotton Seedling Disease: A Meta-Analysis. Annual Beltwide Cotton Conference 2024.

Kelly, H. M., Blazek, A., Ali, A., Allen, T., Wilkerson, T., Kemerait, R., Lawrence, K., **Strayer-Scherer, A.**, Monclova-Santana, C., Price, P., Rojas, A., Spurlock, T. and Small, I. Report of the Cottonseed Treatment Committee for 2022. Annual Beltwide Cotton Conference 2024.

Ali, A., Allen, T. W., Bish, M., Bissonnette, K., Kelly, H. M., Kemerait, R., McDonald, D., Monclova-Santana, C., Mueller, J., Price, P., Prorock, M., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wilson, B. R. 2024. Assessing the Impact of Foliar Diseases through Timed Fungicide Applications and Spore Trapping. Annual Beltwide Cotton Conference 2024.

Ali, A., Allen, T. W., Bish, M., Bissonnette, K., Kelly, H. M., Kemerait, R., McDonald, D., Monclova-Santana, C., Mueller, J., Price, P., Prorock, M., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wilson, B. R. 2024. Estimating the Regional Distribution and Potential Impacts of Foliar Diseases through Spore Trapping in Commercial Settings. Annual Beltwide Cotton Conference 2024.

*/**Cavassa, M., Graham, S. H., **Strayer-Scherer, A.**, Parker, C., and Stockdale, N. 2023. D3125: Utilizing Seeding Rates as A Method of Controlling Thrips in Peanuts. Entomological Society of America Annual Meeting 2023.

Strayer-Scherer, A., Burch, K. B., and Mote, H. 2023. Impact of Cultivar Selection and Fungicide Applications on Areolate Mildew and Target Spot Severity in Alabama Cotton. Plant Health 2023- Annual American Phytopathological Society Meeting.

*Kaur, L., **Campbell, H. L., **Strayer-Scherer, A.**, Parker, C., and Miller, H. B. 2023. Comparison of Selected Commercial Peanut Cultivars Under Varying Fungicide Inputs for the Control of Leaf Spot. Plant Health 2023- Annual American Phytopathological Society Meeting.

Bragg, M., Kelly, H., Ali, A., Allen, T., Wilkerson, T., Kemerait, R., Lawrence, K., **Strayer-Scherer, A.**, Monclova-Santana, C., Price, P., Rojas, A., Spurlock, T., Small, I., and Noel, Z. **2023.** Monitoring Cotton Soil-borne Diseases Through Isolation and Soil Metabarcoding. Plant Health 2023- Annual American Phytopathological Society Meeting.

Allen, T., Spurlock, T., Ali, A., Bish, M., Kelly, H., McDonal, D., Mueller, J., Price, P., **Strayer-Scherer, A.**, and Small, I. **2023.** Developing Management Strategies for Areolate Mildew and Target Spot of Cotton Using Spore Trapping Data and Fungicide Applications. Plant Health 2023- Annual American Phytopathological Society Meeting.

Zuchelli, Z., Guyer, R., Pate, S., Schutz, E., Allen, T., Wilkerson, T., Colyer, P., **Strayer-Scherer, A.**, Lawrence, K., Isakeit, T., Kemerait, R., Rojas, A., Spurlock, T., Thiessen, I., Wheeler, T., Cartwright, M., Bayles, M., Ali, A., Woodward, J., Small, I., Monclova-Santana, C., Mehl, H., and Kelly, H. **2023.** Effect of Fungicide Seed Treatment and Other Variables on Cotton Seedling Emergence. Plant Health 2023- Annual American Phytopathological Society Meeting.

*Kaur, L., **Campbell, H. L., **Strayer-Scherer, A.**, Parker, C., and Miller, H. B. **2023.** Field Evaluation of Selected Commercial Peanut Cultivars for Tolerance to Leaf Spot as Influenced by Varying Fungicide Inputs. The American Peanut Research and Education Society 55th Annual Meeting.

*Sullins, K. N., **Strayer-Scherer, A.**, and Held, D. W. **2023.** Plant Growth Promoting Rhizobacteria as A Potential Biocontrol of *Rhizoctonia solani* in Peanuts. The American Peanut Research and Education Society 55th Annual Meeting.

Strayer-Scherer, A., **Campbell, H. L., and Parker, C. **2023.** Evaluation of Peanut Rx Spray Programs for Peanut Disease Control in Southeast Alabama. The American Peanut Research and Education Society 55th Annual Meeting.

Campbell, H. L., **Strayer-Scherer, A., and Parker, C. **2023.** Disease and Yield Response to Two Peanut Cultivars to Recommended Fungicide Programs in Southeast Alabama. The American Peanut Research and Education Society 55th Annual Meeting.

Hagan, A. K., **Strayer-Scherer, A.**, **Campbell, H. L., Bowen, K. L., and Parker, C. **2023.** Tomato Spotted Wilt Incidence, Leaf Spot-Induced Defoliation, and Yield Response of Selected Commercial Peanut Cultivars in an Irrigated Production System from 2017 to 2022. The American Peanut Research and Education Society 55th Annual Meeting.

Shehata, A. H. A., Mayfield, M. A., Clark, W., Mceachin, L., **Strayer-Scherer, A.**, Jacobson, A., and Martin, K. M. **2023.** Sequencing the Nucleocapsid of Tomato Spotted Wilt Virus is a Step Towards Understanding the Peanut Breaking Resistance in Alabama. The American Society for Virology 2023 Annual Meeting.

*Kaur, L., **Campbell, H. L., Parker, C., and **Strayer-Scherer, A.** **2023.** Evaluation for Selected Commercial Peanut Cultivars Under Varying Fungicide Inputs for Leaf Spot Control. Auburn University 2023 Student Research Symposium.

Abdelaal Shehata, A. H., **Strayer-Scherer, A.**, Mayfield, M., Clark, W., Jacobson, A., and Martin, K. **2023.** Sequencing the Nucleocapsid of Tomato Spotted Wilt Virus is a Step Towards Understanding the Peanut Breaking Resistance in Alabama. Auburn University's 2023 Student Research Symposium.

*Sullins, K., **Strayer-Scherer, A.**, Held, D., Dillard, L. **2023.** Potential of Plant Growth-Promoting Rhizobacteria as a Biofertilizer and Biocontrol in Bermudagrass. Southern Division – American Phytopathological Society Annual Meeting 2023.

*Kaur, L., **Campbell, H. L., Parker, C., Miller, H. B., and **Strayer-Scherer, A. 2023.** Response of Selected Commercial peanut Cultivars to Leaf Spot Under Varying Fungicide Inputs. Southern Division – American Phytopathological Society Annual Meeting 2023.

Ali, A., Allen, T. W., Bissonnette, K., Kemerait, R. C., Lawrence, K., McDonald, D., Monclova-Santana, C., Mueller, J., Price, P., Prorock, M., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Ezell, D., Tolbert, A., Hoyle, R., Bish, M., Willson, B., and Kelly, H. M. **2023.** Assessing the Impact of Foliar Diseases Through Timed Fungicide Applications and Spore Trapping. Annual Beltwide Cotton Conference 2023.

Kelly, H. M., Ali, A., Allen, T. W., Wilkerson, T. H., Kemerait, R. C., Lawrence, K. S., **Strayer-Scherer, A.**, Monclova-Santana, C., Price, P., Rojas, A., Spurlock, T., and Small, I. **2023.** Report of the Cotton Seed Treatment Committee for 2022. Annual Beltwide Cotton Conference 2023.

Zuchelli, E., Pate, S., Kelly, H. M., Guyer, R., Schutz, E., Allen, T. W., Wilkerson, T. H., Colyer, P. D., **Strayer-Scherer, A.**, Lawrence, K. S., Isakeit, T., Kemerait, R. C., Mehl, H. L., Price, P., Rojas, A., Spurlock, T., Thiessen, L., Wheeler, T., Woodward, M. L., Bayles, M. B., Ali, A., Woodward, J., and Small, I. **2023.** Performance of Seed Treatments Managing Cotton Seedling Disease: A Meta-Analysis. Annual Beltwide Cotton Conference 2023.

Strayer-Scherer, A., **Burch, K., and Mote, H. **2023.** Evaluating the Impact of Fungicide Application Timings and Cultivar Selection on Areolate Mildew and Target Spot in Alabama Cotton. Annual Beltwide Cotton Conference 2023.

*Kaur, L., **Campbell, H. L., Parker, C., and **Strayer-Scherer, A. 2022.** Impact of Chlorothalonil Alternatives on Leaf Spot Disease Severity of Peanut. Auburn University's College of Agriculture Annual Graduate Poster Showcase 2022.

*Kaur, L., **Campbell, H. L., Parker, C., and **Strayer-Scherer, A. 2022.** Evaluating Alternatives to Chlorothalonil for Management of Leaf Spots in Peanut. Plant Health 2022. Annual American Phytopathology Meeting.

*Sullins, K., Held, D., Dillard, L., and **Strayer-Scherer, A. 2022.** Influence of Plant Growth Promoting Rhizobacteria on Soil Health and Forage Biomass in Bermudagrass Hay Fields. Plant Health 2022. Annual American Phytopathology Meeting.

Strayer-Scherer, A., **Campbell, H. L., and Parker, C. **2022.** Evaluation of Peanut Rx Spray Programs for Peanut Disease Control in Southeast Alabama. 54th American Peanut Research and Education Society Annual Meeting 2022.

*Kaur, L., **Campbell, H. L., Parker, C., and **Strayer-Scherer, A. 2022.** Evaluating Alternatives to Chlorothalonil for Managing Peanut Diseases in Alabama. 54th American Peanut Research and Education Society Annual Meeting 2022.

Campbell, H. L., **Strayer-Scherer, A., and Parker, C. **2022.** Disease and Yield Response of Selected Peanut Cultivars to Low and High Input Fungicide Programs in Southeast Alabama. 54th American Peanut Research and Education Society Annual Meeting 2022.

*Kaur, L., **Campbell, H. L., Parker, C., and **Strayer-Scherer, A. 2022.** Evaluating Alternatives to Chlorothalonil for Leaf spot and White Mold Management in Peanut. Auburn University Research 2022 Student Symposium.

*Kaur, L., **Campbell, H. L., Parker, C., and **Strayer-Scherer, A. 2022.** Evaluating Alternatives to Chlorothalonil for Leaf spot and White Mold Management in Peanut. APS Southern Division Meeting 2022.

Strayer-Scherer, A., Hagan, A., **Burch, K., Conner, K., Brown, S. M., Koebernick, J., Zaccaron, M., Miller, H. B., and Canterbury, J. **2022**. Cotton Leafroll Dwarf Virus Incidence as Impacted by Planting Date and Cotton Cultivar in Alabama. Annual Beltwide Cotton Conference 2022.

Brown, S. M., and **Strayer-Scherer, A.** **2022**. CLRDV Update. Annual Beltwide Cotton Conference 2022.

Hagan, A., **Strayer-Scherer, A.**, **Burch, K., and Miller, H. B. **2022**. Disease Intensity, Yield, and Loan Value as Influenced by Cotton Cultivar Selection Along with Plant Growth Regulator and Fungicide Inputs. Annual Beltwide Cotton Conference 2022.

Lawrence, K., **Strayer-Scherer, A.**, Norton, R., Hu, J., Faske, T., Hutmacher, R., Mueller, J., Small, I., Grabau, Z., Kemerait, B., Jardine, D., Price, P., Watson, T., Allen, T., Meeks, C., Idowu, J., Theissen, L., Byrd, S. A., Goodson, J., and Kelly, H. **2022**. Cotton Disease Loss Estimate Committee Report, 2021. Annual Beltwide Cotton Conference 2022.

Kelly, H.M., Guyer, R., Ali, A., Allen, T. W., Wilkerson, T. H., Kemerait, R., Lawrence, K., Monclova-Santana, C., Price, P., Rojas, A., Small, I., Spurlock, T., and **Strayer-Scherer, A.** **2022**. Report of the Cottonseed Treatment Committee for 2021. Annual Beltwide Cotton Conference 2022.

Zaccaron, M., Koebernick, J., Roark, D., Taylor, S., Huseth, A. S., Greene, J., Kemerait, R., Small, I., Conner, K., **Strayer-Scherer, A.**, Hagan, A. K., Bowen, K. L., Price, P., Allen, T. W., Faske, T. R., and Kerns, D. **2022**. Results from the 2021 CLRDV Sentinel Plots in AL, FL, GA, SC, NC, VA, MS, AR, LA, TN, and TX and Resistance Screening Efforts at Auburn University. Annual Beltwide Cotton Conference 2022.

Adegbola, R.O., Kitchen, N.T., Lawrence, K., Conner, K., Mulvaney, M. J., Small, I., Price, P., Kerns, D. L., Huseth, A. S., **Strayer-Scherer, A.**, Zaccaron, M., Greene, J., Ali, A., Brown, J. **2022**. Surveillance of Cotton Leafroll Dwarf Virus (CLRDV) in the US By Molecular Diagnostics and Phylogeny of ORF0 and ORF3 Fragments. Annual Beltwide Cotton Conference 2022.

Strayer-Scherer, A., Reeves, E., Henson, M., Sharpe, S., and Meadows, I. **2021**. Prevalence of Mutations Conferring Resistance to QoI and SDHI Fungicides in the Early Blight Pathogens on Tomato (*Alternaria* spp.). American Phytopathological Society Annual Meeting 2022.

Strayer-Scherer, A., and Campbell, H.L. **2021**. Evaluation of Alternatives to Chlorothalonil for Peanut Disease Control in Southeast Alabama. American Peanut Research and Education Society 2021 Annual Meeting.

Campbell, H.L., **Strayer-Scherer, A., and Parker, C. **2021**. Disease and Yield Response of Selected Peanut Cultivars to Low and High Input Fungicide Programs in Southeast Alabama. American Peanut Research and Education Society 2021 Annual Meeting.

Hagan, A.L., **Campbell, H.L., and **Strayer-Scherer, A.** **2021**. Comparison of Fluopyram and Aldicarb on Root-Knot Nematode and Disease Control along with Yield Response of Peanut, 2013 to 2020. American Peanut Research and Education Society 2021 Annual Meeting.

Strayer-Scherer, A., Hagan, A. K., **Burch, K., Conner, K., Brown, S., Koebernick, J., Zaccaron, M., Miller, H. B., and Moore, D. **2021**. Occurrence of Cotton Leafroll Dwarf Disease as Impacted by Cotton Cultivar and Planting Date in Alabama. Annual Beltwide Cotton Conference 2021.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., and Miller, H. B. **2021**. Cotton Yield Response and Target Spot Control with Selected Fungicides. Annual Beltwide Cotton Conference 2021.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., Bowen, K., Miller, H. B., McElroy, C., and Burkett, J. **2021**. Assessment of Yield Loss Attributed to Cotton Leafroll Dwarf Disease in Alabama Cotton. Annual Beltwide Cotton Conference 2021.

Lawrence, K., **Strayer-Scherer, A.**, Norton, R., Hu, J., Faske, T., Hutmacher, R., Mueller, J., Small, I., Grabau, Z., Kemerait, B., Jardine, D., Price, P., Watson, T., Allen, T., Meeks, C., Idowu, J., Theissen, L., Byrd, S., Goodson, J., Kelly, H., Wheeler, T., Isakeit, T., Monclova-Santana, C., and Langston, D. **2021**. Cotton Disease Loss Estimate Committee Report, 2020. Annual Beltwide Cotton Conference 2021.

Zaccaron, M., Greene, J., Hagan, A. K., **Strayer-Scherer, A.**, Allen, T., Koebernick, J., Bowen, K., Faske, T., Price, P., Small, I., Mulvaney, M. J., Kemerait, R., Huseth, A. S., Kelly, H. M., and Wang, H. **2021**. Incidence of Cotton Leafroll Dwarf Virus (CLRDV) Symptoms in the US Cotton Belt During the 2020 Growing Season. Cotton Disease Loss Estimate. Annual Beltwide Cotton Conference 2021.

Strayer-Scherer, A., **Campbell, H. L., and Hagan, A. K. **2020**. Disease and Yield Response of Selected Peanut Cultivars to Low and High Input Fungicide Programs in Southwest Alabama. American Peanut Research and Education Society 2020 Annual Meeting.

Strayer-Scherer, A., Sharpe, A., Henson, M., and Meadows, I. **2019**. Evaluation of Alternative Fungicide Spray Programs for Management of Bacterial Spot of Fresh-Market Tomatoes. 96th Annual Southern Division American Phytopathology Society meeting.

Strayer-Scherer, A., Jones, J.B., and Paret, M. L. 2018. Recombinase Polymerase Amplification Assay for In-field Detection of Tomato Bacterial Spot (*Xanthomonas euvesicatoria*, *X. gardneri*, and *X. perforans*). 11th International Congress of Plant Pathology Meeting.

Paret, M. L., **Strayer-Scherer, A.**, Liao, YY., Wright, S., Young, M., Ocsoy, I., Averett, D., Vallad, G.E., Santra, S., Tan, W., Jones, J. B., Olson, S. M., and Freeman, J. H. **2018**. Development and Evaluation of Nanomaterials for Management of Copper Tolerant *Xanthomonas perforans* Causing Bacterial Spot of Tomato. 11th International Congress of Plant Pathology Meeting.

Liao, YY., **Strayer-Scherer, A.**, Huang, Z., Santra, S., White, J. C., Mukherjee, A., De La Torre-Roche, R., Ritchie, L., Colee, J., Vallad, G.E., Freeman, J. H., Jones, J. B., and Paret, M. L. **2018**. A Novel Alternative to Copper Bactericide: Magnesium Based Nanomaterials for Management of Tomato Bacterial Spot. 11th International Congress of Plant Pathology Meeting.

Strayer-Scherer, A., Hong, J., Liao, YY., Young, M., Santra, S., Rosskopf, E., Timilsina, S., Vallad, G. E., Jones, J. B., and Paret, M. L. **2017**. Effect of Advanced Copper Composites on the Soil Microbiome. 32nd Annual Tomato Disease Workshop.

Strayer-Scherer, A., Hong, J., Liao, YY., Young, M., Santra, S., Rosskopf, E., Timilsina, S., Vallad, G. E., Jones, J. B., and Paret, M. L. **2017**. Effect of Copper Nanomaterials on the Soil Microbiome. American Phytopathological Society Annual Meeting.

Strayer-Scherer, A., Hong, J., Liao, YY., Young, M., Santra, S., Rosskopf, E., Timilsina, S., Vallad, G. E., Jones, J. B., and Paret, M. L. **2017**. Effect of Copper Nanomaterials on the Soil Microbiome. 15th Florida Phytopathological Society Biennial Meeting.

Strayer-Scherer, A., Liao, YY., Young, M., Santra, S., Jones, J.B., and Paret, M. L. **2016**. Three Novel Copper-Based Nanomaterials for Management of Bacterial Spot of Tomato. 31st Annual Tomato Disease Workshop.

Liao, YY., **Strayer, A.**, White, J., Mukherjee, A., Elmer, W., Ritchie, L., Clark, D., Freeman., J., Jones, J.B., and Paret, M. L. **2016**. Antibacterial Potential of Magnesium Oxide Nanomaterial against *Xanthomonas perforans* Causing Bacterial Spot of Tomato. 31st Annual Tomato Disease Workshop.

Strayer-Scherer, A., Liao, YY., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2016**. Evaluation of Three Copper-Based Nanomaterials for Management of Bacterial Spot of Tomato. 2016 Materials Innovation for Sustainable Agriculture Symposium.

Liao, YY., **Strayer-Scherer, A.**, White, J., Mukherjee, A., Elmer, W., Ritchie, L., Clark, D., Freeman., J., Jones, J.B., and Paret, M. L. **2016**. Antibacterial Potential of Magnesium Oxide Nanomaterial against *Xanthomonas perforans* Causing Bacterial Spot of Tomato. 2016 Materials Innovation for Sustainable Agriculture Symposium.

Strayer-Scherer, A., Liao, YY., Ocsoy, I., Tan, W., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2016**. Advanced Nanomaterials for Management of Bacterial Spot of Tomato. American Phytopathological Society Annual Meeting.

Liao, YY., **Strayer, A.**, White, J., Mukherjee, A., Elmer, W., Ritchie, L., Clark, D., Freeman., J., Jones, J.B., and Paret, M. L. **2016**. Antibacterial Potential of Magnesium Oxide Nanomaterial against *Xanthomonas perforans* Causing Bacterial Spot of Tomato. American Phytopathological Society Annual Meeting.

Strayer, A., Liao, YY., Ocsoy, I., Tan, W., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2015**. Advanced Nanomaterials for Management of Bacterial Spot of Tomato. 30th Tomato Disease Workshop.

Liao, YY., **Strayer, A.**, Ritchie, L., Clark, D., Freeman, J., Jones, J.B., and Paret, M. L. **2015**. Metallic Oxide Nanoparticles for the Management of Bacterial Spot of Tomato. 30th Tomato Disease Workshop.

Strayer, A., Ocsoy, I., Tan, W., Jones, J. B., and Paret, M. L. **2015**. Superior Performance of a Silver-based Nanocomposite in Relation to Copper for Management of Bacterial Spot of Tomato in the Greenhouse. American Phytopathological Society Annual Meeting.

Strayer A, Paret ML, Jones JB, and Jeyaprakash A. **2014**. Multiplex qPCR Assay for Detecting the Four Causal Agents of Bacterial Spot of Tomato. American Phytopathological Society-Canadian Phytopathological Society Joint Meeting.

Sun X, **Strayer A**, Jeyaprakash A, Jones D, and Schubert T. **2013** Distinct SNPs Present in the ITS2 Region of *Elsinoë australis* Organisms Detected from Citrus in Florida. American Phytopathological Society-Mycological Society of America Joint Meeting.

Professional Meeting Manuscripts (* designates a student and ** designates research assistant in my research program):

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** **2025**. [Isolation and Characterization of Ramularia Species Populations in Alabama Cotton](#). Annual Beltwide Cotton Conference 2025.

Ali, A., Allen, T. W., Bish, M., Bissonnette, K., Floyd, C., Kelly, H., Kemerait, R. C., Lawrence, K., **Strayer-Scherer, A.**, Noel, Z., Monclova-Santana, C., Mueller, J., Price, T., Small, I., Spurlock, T., and Wilson, B. **2025**. [Distribution and Impact of Areolate mildew on Cotton in the Southern United States](#). Annual Beltwide Cotton Conference 2025.

Kelly, H. M., Zuchelli, E., Marques, L., Duffeck, M., Allen, T., Wilkerson, T. H., Ahumada, D., Kemerait, R. C., Noel, Z., Bragg, M., Lawrence, K., **Strayer-Scherer, A.**, Wheeler, T., Floyd,

C., Price, P., Faske, T., Spurlock, T. and Small, I. **2025.** [Report of the Cottonseed Treatment Committee for 2024](#). Annual Beltwide Cotton Conference 2025.

Kelly, H. M., Bayles, M., Allen, T.W., Wilkerson, T. H., Kemerait, R. C., **Strayer-Scherer, A.**, Wheeler, T., Floyd, C., Price, P., Rojas, A., Spurlock, T., and Small, I. **2024.** [Report of the Cotton Seed Treatment Committee for 2023](#). Annual Beltwide Cotton Conference Proceedings 2024.

Allen, T. W., Ali, A., Bish, M., Kelly, H., Kemerait, R. C., Mueller, J., Price, P., Small, I., Spurlock, T., and **Strayer-Scherer, A.** **2024.** [Results from the National Predictive Modeling Tool Initiative Foliar Fungicide Management Trials Conducted during 2022](#). Annual Beltwide Cotton Conference Proceedings 2024.

*Baryah, K. K. **Strayer-Scherer, A.**, **Burch, K., and Mote, H. **2024.** [Evaluating the Impact of Cultivar Selection and Fungicide Application Timings on Management of Areolate Mildew and Target Spot on Alabama Cotton](#). Annual Beltwide Cotton Conference Proceedings 2024.

Strayer-Scherer, A., **Burch, K., Jordan, H., and Parker, C. **2024.** [Evaluating the Response of Commercial Cotton Varieties and Experimental Breeding Lines to Areolate Mildew and Target Spot in the OVVT Short Season Cotton In Southeast Alabama](#). Annual Beltwide Cotton Conference Proceedings 2024.

Ali, A., Allen, T. W., Bissonnette, K., Kemerait, R. C., Lawrence, K., McDonald, D., Monclova-Santana, C., Mueller, J., Price, P., Prorock, M., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Ezell, D., Tolbert, A., Hoyle, R., Bish, M., Willson, B., and Kelly, H. M. **2023.** [Assessing the Impact of Foliar Diseases Through Timed Fungicide Applications and Spore Trapping](#). Annual Beltwide Cotton Conference Proceedings 2023.

Kelly, H. M., Ali, A., Allen, T.W., Wilkerson, T. H., Kemerait, R. C., Lawrence, K. S., **Strayer-Scherer, A.**, Monclova-Santana, C., Price, P., Rojas, A., Spurlock, T., and Small, I. **2023.** [Report of the Cotton Seed Treatment Committee for 2022](#). Annual Beltwide Cotton Conference Proceedings 2023.

Strayer-Scherer, A., **Burch, K., and Mote, H. **2023.** [Evaluating the Impact of Fungicide Application Timings and Cultivar Selection on Areolate Mildew and Target Spot in Alabama Cotton](#). Annual Beltwide Cotton Conference Proceedings 2023.

Strayer-Scherer, A., Hagan, A., **Burch, K., Conner, K., Brown, S. M., Koebernick, J., Zaccaron, M., Miller, H. B., and Canterbury, J. **2022.** [Cotton Leafroll Dwarf Virus Incidence as Impacted by Planting Date and Cotton Cultivar in Alabama](#). Annual Beltwide Cotton Conference Proceedings 2022.

Hagan, A., **Strayer-Scherer, A.**, **Burch, K., and Miller, H. B. **2022.** [Disease Intensity, Yield, and Loan Value as Influenced by Cotton Cultivar Selection Along with Plant Growth Regulator and Fungicide Inputs](#). Annual Beltwide Cotton Conference Proceedings 2022.

Adegbola, R.O., Kitchen, N.T., Lawrence, K., Conner, K., Mulvaney, M. J., Small, I., Price, P., Kerns, D. L., Huseth, A. S., **Strayer-Scherer, A.**, Zaccaron, M., Greene, J., Ali, A., Brown, J. **2022.** [Surveillance of Cotton Leafroll Dwarf Virus \(CLRDV\) in the US By Molecular Diagnostics and Phylogeny of ORF0 and ORF3 Fragments](#). Annual Beltwide Cotton Conference Proceedings 2022.

Lawrence, K., **Strayer-Scherer, A.**, Norton, R., Hu, J., Faske, T., Hutmacher, R., Mueller, J., Small, I., Grabau, Z., Kemerait, B., Jardine, D., Price, P., Watson, T., Allen, T., Meeks, C., Idowu, J., Theissen, L., Byrd, S. A., Goodson, J., and Kelly, H. **2022.** [Cotton Disease Loss Estimate Committee Report, 2021](#). Annual Beltwide Cotton Conference Proceedings 2022.

Kelly, H. M., Guyer, R., Ali, A., Allen, T. W., Wilkerson, T. H., Kemerait, R. C., Lawrence, K. S., Monclova-Santana, C., Price, P., Rojas, A., Small, I., Spurlock, T., and **Strayer-Scherer, A.** 2022. [Report of the Cottonseed Treatment Committee for 2021](#). Annual Beltwide Cotton Conference Proceedings 2022.

Strayer-Scherer, A., Hagan, A. K., **Burch, K., Conner, K., Brown, S., Koebernick, J., Zaccaron, M., Miller, H. B., and Moore, D. 2021. [Occurrence of Cotton Leafroll Dwarf Disease as Impacted by Cotton Cultivar and Planting Date in Alabama](#). Annual Beltwide Cotton Conference Manuscript Proceedings 2021.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., Bowen, K., Miller, H. B., McElmoyl, C., and Burkett, J. 2021. [Assessment of Yield Loss Attributed to Cotton Leafroll Dwarf Disease in Alabama Cotton](#). 2021 Annual Beltwide Cotton Conference Manuscript 2021.

Lawrence, K., **Strayer-Scherer, A.**, Norton, R., Hu, J., Faske, T., Hutmacher, R., Mueller, J., Small, I., Grabau, Z., Kemerait, B., Jardine, D., Price, P., Watson, T., Allen, T., Meeks, C., Idowu, J., Theissen, L., Byrd, S., Goodson, J., Kelly, H., Wheeler, T., Isakeit, T., Monclova-Santana, C., and Langston, D. 2021. [Cotton Disease Loss Estimate Committee Report, 2020](#). Annual Beltwide Cotton Conference Proceedings 2021.

Zaccaron, M., Greene, J., Hagan, A. K., **Strayer-Scherer, A.**, Allen, T., Koebernick, J., Bowen, K., Faske, T., Price, P., Small, I., Mulvaney, M. J., Kemerait, R., Huseth, A. S., Kelly, H. M., and Wang, H. 2021. [Incidence of Cotton Leaf Roll Dwarf Virus \(CLRDV\) Symptoms in the US Cotton Belt During the 2020 Growing Season](#). [Cotton Disease Loss Estimate](#). Annual Beltwide Cotton Conference Proceedings 2021.

Hagan, A. K., **Strayer-Scherer, A.**, **Burch, K., and Miller, H. B. 2021. [Cotton Yield Response and Target Spot Control with Selected Fungicides](#). Annual Beltwide Cotton Conference Proceedings 2021.

Presentations (* designates a student and ** designates research assistant in my research program):

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** 2025. Influence of Cultivar Selection and Fungicide Applications on Foliar Diseases and Yield on Alabama Cotton. 2025 Auburn University College of Agriculture Graduate Research Poster Showcase. *Poster Presentation*.

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** 2025. Cotton Under Attack: Revealing the Secret Life of *Ramularia*. 2025 Auburn University's Three-Minute Thesis Competition. *Oral Presentation*.

Strayer-Scherer, A. 2025. [Invited Speaker](#). IPM: From Row Crops to Horticulture. University of Florida's Department of Plant Pathology Fall Seminar Series. *Oral Presentation*.

Strayer-Scherer, A., *Kaur, L., */**Cavassa, M., **Campbell, H. L., **Burch, K. B., Hagan, A. K., and Parker, C. 2025. Reducing Chlorothalonil Use in Peanut Disease Management. 2025 Plant Health. *Oral Presentation*.

Burch, K. B., Jordan, H., Miller, H. B., Canterbury, J., Frank, E. T., McElmoyl, C., Stockdale, N., and **Strayer-Scherer, A. 2025. Impact of Cultivar Selection on Barley Yellow Dwarf Virus in Alabama Wheat. 2025 Plant Health. *Poster Presentation*.

Molina, C. M., Akhtar, A., Bish, M., Bissonnette, K., Floyd, C., Isakeit, T., Kelly, H. M., Kemerait, R. C., Lawrence, K., Monclova-Santana, C., Wilson, B., Mueller, J., **Strayer-Scherer, A.**, Price, T., Small, I. M., Allen, T.W., Spurlock, T., and Rojas, A. 2025.

Monitoring and Detection of Emerging Cotton Foliar Pathogens: Advancements in Spore-Based Surveillance and Diagnostic Assays. 2025 Plant Health. *Poster Presentation*.

Bragg, M., Kelly, H. M., Allen, T. W., Ahumada, D., Bayles, M., Bissonnette, K., Duffeck, M., Faske, T. R., Floyd, C., Kemerait, R. C., Lawrence, K., Moncolva-Santana, C., Price, T., Rojas, A., Small, I. M., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T., Wilkerson, T., and Noel, Z. A. **2025**. Monitoring Cotton Soilborne Seedling Diseases Through Metabarcoding and Shotgun Metagenomics. 2025 Plant Health. *Poster Presentation*.

*/**Cavassa, M., Parker, C., Graham, S., and **Strayer-Scherer, A.** **2025**. Impact of In-Furrow Nematicides and Cultivar Selection on *Meloidogyne arenaria* Populations and Yield in Alabama Peanuts. 2025 Plant Health. *Poster Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. H. **2025**. Rooting for Sustainability: Utilization of Beneficial Soil Microbes for Enhanced Disease Suppression in Peanut Production Systems. 2025 Plant Health. *Poster Presentation*.

*Baryah, K., **Burch, K. B., Miller, H. B., Canterbury, J., and **Strayer-Scherer, A.** **2025**. Influence of Cultivar Selection and Fungicide Applications on Foliar Diseases and Yield on Alabama Cotton. 2025 Plant Health. *Poster Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. **2025**. Rooting for Sustainability: Utilization of Plant Growth-Promoting Rhizobacteria as a Biological Control in Peanut Production. The American Peanut Research and Education Society 57th Annual Meeting. *Oral Presentation*.

*/**Cavassa, M., **Strayer-Scherer, A.**, and Graham, S. **2025**. Quantifying In-Furrow Insecticide Persistence and Its Effects on Tomato Spotted Wilt Virus in Peanut. The American Peanut Research and Education Society 57th Annual Meeting. *Oral Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. **2025**. Rooting for Sustainability: Utilization of Plant Growth-Promoting Rhizobacteria as a Biological Control in Turfgrass Management. 2025 Plants, Insects and Microbes Symposium. *Poster Presentation*.

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** **2025**. Investigation of Isolation, Characterization and Storage Methodologies on *Ramularia* Species. 2025 Plants, Insects and Microbes Symposium. *Poster Presentation*.

*/**Cavassa, M., **Strayer-Scherer, A.**, and Graham, S. **2025**. In-Furrow Insecticide Persistence and Effects on Peanuts and Cotton in Southeast Alabama. 2025 Plants, Insects and Microbes Symposium. *Oral Presentation*.

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** **2025**. Characterization and Isolation of Populations of *Ramularia* species in Alabama Cotton. 2025 American Phytopathological Society Joint Southern Division and Caribbean Division Meeting. *Oral Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. **2025**. Characterization of Plant Growth-Promoting Rhizobacteria for Growth Promotion and Disease Suppression in Peanuts and Turfgrass. 2025 American Phytopathological Society Joint Southern Division and Caribbean Division Meeting. *Oral Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. **2025**. Rooting for Sustainability: Plant Growth-Promoting Rhizobacteria as a Biological Tool in Turfgrass. 11th Internation IPM Symposium 2025- Pest Management in Changing Environments. *Poster Presentation*.

Strayer-Scherer, A., and */**Cavassa, M. **2025**. Alabama Peanut Disease Update and Research Trial Results for 2024. Annual Nichino Peanut Retreat 2024. *Oral Presentation*.

*Baryah, K., Noel, Z., and **Strayer-Scherer, A.** 2025. Isolation and Characterization of *Ramularia* Species Populations in Alabama Cotton. Annual Beltwide Cotton Conference 2025. *Oral Presentation*.

*/**Cavassa, M., Graham, S., and **Strayer-Scherer, A.** 2025. Quantifying In-furrow Insecticide Persistence and Its Effects on Cotton Aphid and CLRDV. Annual Beltwide Cotton Conference 2025. *Oral Presentation*.

Kelly, H. M., Zuchelli, E., Marques, L., Duffeck, M., Allen, T., Wilkerson, T. H., Ahumada, D., Kemerait, R. C., Noel, Z., Bragg, M., Lawrence, K., **Strayer-Scherer, A.**, Wheeler, T., Floyd, C., Price, P., Faske, T., Spurlock, T. and Small, I. 2025. Report of the Cottonseed Treatment Committee for 2024. Annual Beltwide Cotton Conference 2025. *Poster Presentation*.

Noel, Z., Allen, T. W., Bissonnette, K., Bragg, M., Floyd, C., Kelly, H., Kemerait, R. C., Price, T., Rojas, A., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T., and Wilkerson, T. H. 2025. Thirty Years of the National Cotton Seed Treatment Trials and Seedling Disease Trends across the U.S. Annual Beltwide Cotton Conference 2025. *Poster Presentation*.

Bragg, M., Kelly, H., Allen, T. W., Bayles, M., Bissonnette, K., Faske, T., Floyd, C., Kemerait, R. C., Lawrence, K., Monclova-Santana, C., Price, T., Rojas, A., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T., Wilkerson, T. H., and Noel, Z. 2025. Monitoring Cotton Soilborne Seedling Diseases Through Metabarcoding and Shotgun Metagenomics. Annual Beltwide Cotton Conference 2025. *Poster Presentation*.

*/**Cavassa, M., Graham, S., and **Strayer-Scherer, A.** 2024. Evaluation of Systemic Insecticide Residues in Peanuts and Cotton in Alabama. Entomological Society of America Annual Meeting 2024. *Oral Presentation*

Strayer-Scherer, A. 2024. Program Overview: IPM in Row Crops and Landscapes. Auburn University's Department of Entomology and Plant Pathology's Fall Seminar Series. *Oral Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. W. 2024. Utilization of Plant Growth-Promoting Rhizobacteria for Disease Suppression of *Rhizoctonia solani* and Growth Promotion in Peanuts and Turfgrass. Plant Health 2024. *Poster Presentation*.

Allen, T., Spurlock, T., Ali, A., Bish, M., Kelly, H., Isakeit, T., Kemerait, R., McDonald, D., Mueller, J., Price, P., Rojas, A., Small, I., and **Strayer-Scherer, A.** 2024. Three Years of the Cotton National Predictive Modeling Tool Initiative Foliar Fungicide Trial Plots. Plant Health 2024. *Poster Presentation*.

*Baryah, K., **Strayer-Scherer, A.**, **Burch, K., and Mote, H. 2024. Two-Year Evaluation of the Impact of Cultivar Selection on Areolate Mildew and Target Spot on Alabama Cotton. Plant Health 2024. *Poster Presentation*.

Bragg, M., Kelly, H., Allen, T., Bayles, M., Bissonnette, K., Floyd, C., Kemerait, R., Lawrence, K., Monclova-Santana, C., Price, P., Rojas, A., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T., Wilkerson, T., and Noel, Z. 2024. Monitoring Cotton Soil-Borne Seedling Diseases Through Metabarcoding and Shotgun Metagenomics. Plant Health 2024. *Poster Presentation*.

Spurlock, T., Ali, A., Allen, T., Bissonnette, K., Duffeck, M., Floyd, C., Kemerait, R., Mueller, J., Noel, Z., Price, P., Small, I., and **Strayer-Scherer, A.** 2024. Determining the Regional Distribution of *Corynespora cassiicola* and *Ramulariopsis* sp. Through Spore Trapping in 2021 and 2022. Plant Health 2024. *Poster Presentation*.

*/**Cavassa, M., Graham, S., and **Strayer-Scherer, A.** **2024.** Analyzing the Effects of Differing Seeding Rates on Thrips Infestations and Tomato Spotted Wilt Virus Incidence. The American Peanut Research and Education Society 56th Annual Meeting. *Oral Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. W. **2024.** Utilization of Plant Growth-Promoting Rhizobacteria as a Potential Biocontrol of *Rhizoctonia solani* in Peanuts. The American Peanut Research and Education Society 56th Annual Meeting. *Poster Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, and Held, D. W. **2024.** Utilization of Plant Growth-Promoting Rhizobacteria for Disease Suppression of *Rhizoctonia solani* and Growth Promotion in Peanuts and Turfgrass. The First Plants, Insects, and Microbes Symposium 2024- Entomology and Plant Pathology Department Auburn University. *Oral Presentation*.

*Baryah, K., Burch, K., Mote, H., and **Strayer-Scherer, A.** **2024.** Areolate Mildew and Target Spot: Impact of Cultivar Selection and Fungicide Applications on disease severity and yield in Alabama Cotton. The First Plants, Insects, and Microbes Symposium 2024- Entomology and Plant Pathology Department Auburn University. *Oral Presentation*.

*/**Cavassa, M., Graham, S., and **Strayer-Scherer, A.** **2024.** Utilizing Seeding Rates as a Method of Controlling Thrips and Tomato Spotted Wilt Virus in Peanuts. Entomological Society of America Annual Southeastern Branch Division Meeting 2024. *Oral Presentation*.

*Brayah, K., **Strayer-Scherer, A.**, **Burch, K., and Mote, H. **2024.** Areolate Mildew and Target Spot: Impact of Cultivar Selection and Fungicide Applications on Disease Severity and Yield in Alabama Cotton. American Phytopathological Society-Southern Division Annual Meeting 2024. *Oral Presentation*.

Strayer-Scherer, A., and */**Cavassa, M. **2024.** Alabama Peanut Disease Update and Research Trial Results for 2023. Annual Nichino Peanut Retreat 2024. *Oral Presentation*.

Shehata, A., **Strayer-Scherer, A.**, **Strayer-Scherer, A.**, Jacobson, A., and Martin, K. **2024.** Nucleocapsid Protein Comparison Between Tomato Spotted Wilt Virus and Soybean Vein Necrosis Virus: Two Important Orthotospoviruses. American Phytopathological Society-Southern Division Annual Meeting 2024. *Poster Presentation*.

Strayer-Scherer, A., **Burch, K., and Mote, H. **2024.** Evaluating the Impact of Fungicide Application Timings on Areolate Mildew and Target Spot on Cotton in Alabama. Annual Beltwide Cotton Conference 2024. *Oral Presentation*.

*Baryah, K. K. **Strayer-Scherer, A.**, **Burch, K., and Mote, H. **2024.** Evaluating the Impact of Cultivar Selection and Fungicide Application Timings on Management of Areolate Mildew and Target Spot on Alabama Cotton. Annual Beltwide Cotton Conference Proceedings 2024. *Oral Presentation*.

Kelly, H. M., Blazek, A., Ali, A., Allen, T., Wilkerson, T., Kemerait, R., Lawrence, K., **Strayer-Scherer, A.**, Monclova-Santana, C., Price, P., Rojas, A., Spurlock, T. and Small, I. **2024.** Report of the Cottonseed Treatment Committee for 2023. Annual Beltwide Cotton Conference 2024. *Poster Presentation*.

Ali, A., Allen, T. W., Bish, M., Bissonnette, K., Kelly, H. M., Kemerait, R., McDonald, D., Monclova-Santana, C., Mueller, J., Price, P., Prorock, M., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wilson, B. R. **2024.** Assessing the Impact of Foliar Diseases through Timed Fungicide Applications and Spore Trapping. Annual Beltwide Cotton Conference 2024. *Poster Presentation*.

Ali, A., Allen, T. W., Bish, M., Bissonnette, K., Kelly, H. M., Kemerait, R., McDonald, D., Monclova-Santana, C., Mueller, J., Price, P., Prorock, M., Small, I., Spurlock, T., **Strayer-Scherer, A.**

Scherer, A., Wilson, B. R. **2024**. Estimating the Regional Distribution and Potential Impacts of Foliar Diseases through Spore Trapping in Commercial Settings. Annual Beltwide Cotton Conference 2024. *Poster Presentation*.

Strayer-Scherer, A. **2023**. Alabama Peanut Disease Update and Research Trial Results for 2023. Bayer Peanut Cooperators Forum 2023. *Oral Presentation*.

Strayer-Scherer, A. **2023**. Alabama Peanut Disease Update and Research Trial Results for 2023. Syngenta Peanut Cooperators Forum 2023. *Oral Presentation*.

*/**Cavassa, M., Graham, S. H., **Strayer-Scherer, A.**, Parker, C., and Stockdale, N. **2023**. D3125: Utilizing Seeding Rates as A Method of Controlling Thrips in Peanuts. Entomological Society of America Annual Meeting 2023. *Poster Presentation*.

Strayer-Scherer, A., Burch, K. B., and Mote, H. **2023**. Impact of Cultivar Selection and Fungicide Applications on Areolate Mildew and Target Spot Severity in Alabama Cotton. Plant Health 2023- Annual American Phytopathological Society Meeting. *Poster Presentation*.

*Kaur, L., **Campbell, H. L., **Strayer-Scherer, A.**, Parker, C., and Miller, H. B. **2023**. Comparison of Selected Commercial Peanut Cultivars Under Varying Fungicide Inputs for the Control of Leaf Spot. Plant Health 2023- Annual American Phytopathological Society Meeting. *Oral Presentation*.

Bragg, M., Kelly, H., Ali, A., Allen, T., Wilkerson, T., Kemerait, R., Lawrence, K., **Strayer-Scherer, A.**, Monclova-Santana, C., Price, P., Rojas, A., Spurlock, T., Small, I., and Noel, Z. **2023**. Monitoring Cotton Soil-borne Diseases Through Isolation and Soil Metabarcoding. Plant Health 2023- Annual American Phytopathological Society Meeting. *Poster Presentation*.

Allen, T., Spurlock, T., Ali, A., Bish, M., Kelly, H., McDonal, D., Mueller, J., Price, P., **Strayer-Scherer, A.**, and Small, I. **2023**. Developing Management Strategies for Areolate Mildew and Target Spot of Cotton Using Spore Trapping Data and Fungicide Applications. Plant Health 2023- Annual American Phytopathological Society Meeting. *Poster Presentation*.

*Kaur, L., **Campbell, H. L., **Strayer-Scherer, A.**, and Parker, C. **2023**. Field Evaluation of Selected Commercial Peanut Cultivars for Tolerance to Leaf Spot as Influenced by Varying Fungicide Inputs. The American Peanut Research and Education Society 55th Annual Meeting. *Oral Presentation*.

*Sullins, K. N., **Strayer-Scherer, A.**, and Held, D. W. **2023**. Plant Growth Promoting Rhizobacteria as A Potential Biocontrol of *Rhizoctonia solani* in Peanuts. The American Peanut Research and Education Society 55th Annual Meeting. *Oral Presentation*.

Strayer-Scherer, A., **Campbell, H. L., and Parker, C. **2023**. Evaluation of Peanut Rx Spray Programs for Peanut Disease Control in Southeast Alabama. The American Peanut Research and Education Society 55th Annual Meeting. *Oral Presentation*.

Campbell, H. L., **Strayer-Scherer, A., and Parker, C. **2023**. Disease and Yield Response to Two Peanut Cultivars to Recommended Fungicide Programs in Southeast Alabama. The American Peanut Research and Education Society 55th Annual Meeting. *Poster Presentation*.

*Sullins, K., **Strayer-Scherer, A.**, Held, D., Dillard, L. **2023**. Potential of Plant Growth-Promoting Rhizobacteria as a Biofertilizer and Biocontrol in Bermudagrass. Southern Division – American Phytopathological Society Annual Meeting 2023. *Poster Presentation*.

*Kaur, L., **Campbell, H. L., Parker, C., Miller, H. B., and **Strayer-Scherer, A.** **2023**. Response of Selected Commercial peanut Cultivars to Leaf Spot Under Varying Fungicide

Inputs. Southern Division – American Phytopathological Society Annual Meeting 2023. *Oral Presentation.*

Strayer-Scherer, A., and **Campbell, H. L. 2023. Alabama Peanut Disease Update and Research Trial Results for 2022. Annual Nichino Peanut Retreat 2023. *Oral Presentation.*

Strayer-Scherer, A. 2023. Alabama Peanut Disease Update and Research Trial Results for 2022. Syngenta Peanut Cooperators Forum 2023. *Oral Presentation.*

Ali, A., Allen, T. W., Bissonnette, K., Kemerait, R. C., Lawrence, K., McDonald, D., Monclova-Santana, C., Mueller, J., Price, P., Prorock, M., Small, I., Spurlock, T., **Strayer-Scherer, A., Ezell, D., Tolbert, A., Hoyle, R., Bish, M., Willson, B., and Kelly, H. M. 2023.** Assessing the Impact of Foliar Diseases Through Timed Fungicide Applications and Spore Trapping. Annual Beltwide Cotton Conference 2023. *Poster Presentation.*

Kelly, H. M., Ali, A., Allen, T. W., Wilkerson, T. H., Kemerait, R. C., Lawrence, K. S., **Strayer-Scherer, A., Monclova-Santana, C., Price, P., Rojas, A., Spurlock, T., and Small, I. 2023.** Report of the Cotton Seed Treatment Committee for 2022. Annual Beltwide Cotton Conference 2023. *Poster Presentation.*

Strayer-Scherer, A., **Burch, K., and Mote, H. 2023. Evaluating the Impact of Fungicide Application Timings and Cultivar Selection on Areolate Mildew and Target Spot in Alabama Cotton. Annual Beltwide Cotton Conference 2023. *Oral Presentation.*

Strayer-Scherer, A., and **Campbell, H. L. 2022. Alabama Peanut Disease Update and Research Trial Results for 2022. Bayer Peanut Cooperators Forum 2022. *Oral Presentation.*

***Kaur, L., **Campbell, H. L., Parker, C., and Strayer-Scherer, A. 2022.** Evaluating Alternatives to Chlorothalonil for Management of Leaf Spots in Peanut. Plant Health 2022. Annual American Phytopathology Meeting. *Poster Presentation.*

***Sullins, K., Held, D., Dillard, L., and Strayer-Scherer, A. 2022.** Influence of Plant Growth Promoting Rhizobacteria on Soil Health and Forage Biomass in Bermudagrass Hay Fields. Plant Health 2022. Annual American Phytopathology Meeting. *Poster Presentation.*

***Kaur, L., **Campbell, H. L., Parker, C., and Strayer-Scherer, A. 2022.** Impact of Chlorothalonil Alternatives on Leaf Spot Disease Severity of Peanut. Auburn University's College of Agriculture Annual Graduate Poster Showcase 2022. *Poster presentation.*

Strayer-Scherer, A., **Campbell, H. L., and Parker, C. 2022. Evaluation of Peanut Rx Spray Programs for Peanut Disease Control in Southeast Alabama. 54th American Peanut Research and Education Society Annual Meeting 2022. *Poster Presentation.*

***Kaur, L., **Campbell, H. L., Parker, C., and Strayer-Scherer, A. 2022.** Evaluating Alternatives to Chlorothalonil for Managing Peanut Diseases in Alabama. 54th American Peanut Research and Education Society Annual Meeting 2022. *Oral Presentation.*

****Campbell, H. L., Strayer-Scherer, A., and Parker, C. 2022.** Disease and Yield Response of Selected Peanut Cultivars to Low and High Input Fungicide Programs in Southeast Alabama. 54th American Peanut Research and Education Society Annual Meeting 2022. *Poster Presentation.*

***Kaur, L., **Campbell, H. L., Parker, C., and Strayer-Scherer, A. 2022.** Evaluating Alternatives to Chlorothalonil for Leaf spot and White Mold Management in Peanut. APS Southern Division Meeting 2022. *Oral Presentation.*

Strayer-Scherer, A., and **Campbell, H. L. 2022. Alabama Peanut Disease Update and Research Trial Results for 2021. Annual Nichino Peanut Retreat 2022. *Oral Presentation.*

Strayer-Scherer, A., Hagan, A., **Burch, K., Conner, K., Brown, S. M., Koebernick, J., Zaccaron, M., Miller, H. B., and Canterbury, J. **2022**. Cotton Leafroll Dwarf Virus Incidence as Impacted by Planting Date and Cotton Cultivar in Alabama. Annual Beltwide Cotton Conference 2022. *Oral Presentation*.

Strayer-Scherer, A., and **Campbell, H. L. **2021**. Alabama Peanut Disease Update and Research Trial Results for 2021. Bayer Peanut Cooperators Forum 2021. *Oral Presentation*.

Strayer-Scherer, A., and **Campbell, H.L.**2021**. Evaluation of Alternatives to Chlorothalonil for Peanut Disease Control in Southeast Alabama. American Peanut Research and Education Society 2021 Annual Meeting. *Oral Presentation*.

Campbell, H.L., **Strayer-Scherer, A., and Parker, C. **2021**. Disease and Yield Response of Selected Peanut Cultivars to Low and High Input Fungicide Programs in Southeast Alabama. American Peanut Research and Education Society 2021 Annual Meeting. *Poster Presentation*.

Strayer-Scherer, A., and **Campbell, H. L.**2021**. Alabama Peanut Disease Update and Research Trial Results for 2020. Annual Nichino Peanut Retreat 2021. *Oral Presentation*.

Strayer-Scherer, A., Hagan, A. K., **Burch, K., Conner, K., Brown, S., Koebernick, J., Zaccaron, M., Miller, H. B., and Moore, D. **2021**. Occurrence of Cotton Leafroll Dwarf Disease as Impacted by Cotton Cultivar and Planting Date in Alabama. Annual Beltwide Cotton Conference 2021. *Oral Presentation*.

Strayer-Scherer, A., and **Campbell, H. L. **2020**. Alabama Peanut Disease Update and Research Trial Results for 2020. Bayer Peanut Cooperators Forum 2020. *Oral Presentation*.

Strayer-Scherer, A., **Campbell, H. L., and Hagan, A. K. **2020**. Disease and Yield Response of Selected Peanut Cultivars to Low and High Input Fungicide Programs in Southwest Alabama. American Peanut Research and Education Society 2020 Annual Meeting. *Oral Presentation*.

Strayer-Scherer, A., **Campbell, H. L., and Hagan, A. K. **2019**. Alabama Peanut Disease Update and Research Trial Results for 2019. Bayer Peanut Cooperators Forum 2019. *Oral Presentation*.

Strayer-Scherer, A., Sharpe, A., Henson, M., and Meadows, I. **2019**. Evaluation of Alternative Fungicide Spray Programs for Management of Bacterial Spot of Fresh-Market Tomatoes. 96th Annual Southern Division American Phytopathology Society meeting. *Oral Presentation*.

Strayer-Scherer, A., Sharpe, A., Henson, M., and Meadows, I. **2018**. Evaluation of Alternative Fungicide Spray Programs for Management of Bacterial Spot of Fresh-Market Tomatoes. 33rd Annual Tomato Disease Workshop. *Oral Presentation*.

Strayer-Scherer, A., Jones, J.B., and Paret, M. L. 2018. Recombinase Polymerase Amplification Assay for In-field Detection of Tomato Bacterial Spot (*Xanthomonas euvesicatoria*, *X. gardneri*, and *X. perforans*). 11th International Congress of Plant Pathology Meeting. *Poster Presentation*.

Strayer-Scherer, A., Hong, J., Liao, YY., Young, M., Santra, S., Rosskopf, E., Timilsina, S., Vallad, G. E., Jones, J. B., and Paret, M. L. **2017**. Effect of Advanced Copper Composites on the Soil Microbiome. 32nd Annual Tomato Disease Workshop. *Oral Presentation*.

Strayer-Scherer, A., Hong, J., Liao, YY., Young, M., Santra, S., Rosskopf, E., Timilsina, S., Vallad, G. E., Jones, J. B., and Paret, M. L. **2017**. Effect of Copper Nanomaterials on the Soil Microbiome. APS Annual Meeting. *Oral Presentation*.

Strayer-Scherer, A., Hong, J., Liao, YY., Young, M., Santra, S., Rosskopf, E., Timilsina, S., Vallad, G. E., Jones, J. B., and Paret, M. L. **2017**. Effect of Copper Nanomaterials on the Soil Microbiome. 15th Florida Phytopathological Society Biennial Meeting. *Oral Presentation*.

Strayer-Scherer, A., Liao, YY., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2016**. Three Novel Copper-based Nanomaterials for Management of Bacterial Spot of Tomato. 31st Annual Tomato Disease Workshop. *Oral Presentation*.

Strayer-Scherer, A., Liao, YY., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2016**. Evaluation of Three Copper-based Nanomaterials for Management of Bacterial Spot of Tomato. 2016 Materials Innovation for Sustainable Agriculture Symposium. *Poster Presentation*.

Strayer-Scherer, A., Liao, YY., Ocsoy, I., Tan, W., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2016**. Advanced Nanomaterials for Management of Bacterial Spot of Tomato. American Phytopathological Society Annual Meeting. *Invited Oral Presentation*.

Strayer-Scherer, A. **2016**. Superior Nanomaterials for Management of Bacterial Spot of Tomato. 2016 Mid-Atlantic Fruit and Vegetable Convention. *Invited Oral Presentation*.

Strayer, A., Liao, YY., Ocsoy, I., Tan, W., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2015**. Advanced Nanomaterials for Management of Bacterial Spot of Tomato. 30th Annual Tomato Disease Workshop. *Oral Presentation*.

Strayer, A., Ocsoy, I., Tan, W., Jones, J. B., and Paret, M. L. **2015**. Superior Performance of a Silver-based Nanocomposite in Relation to Copper for Management of Bacterial Spot of Tomato in the Greenhouse. American Phytopathological Society Annual Meeting. *Poster Presentation*.

Strayer, A., Ocsoy, I., Tan, W., Jones, J. B., and Paret, M. L. **2015**. Superior Performance of a Silver Based Nanocomposite in Relation to Copper for Management of Bacterial Spot of Tomato in the Greenhouse. Gordon Research Conference: Nanoscale Science & Engineering for Agriculture & Food Systems. *Poster Presentation*.

Strayer, A., Ocsoy, I., Tan, W., Jones, J. B., and Paret, M. L. **2015**. Evaluation of a Silver-based Nanocomposite for the Management of Bacterial Spot of Tomato. 2015 Georgia Association of Plant Pathologists Conference. *Invited Oral Presentation*.

Strayer, A. **2015**. Diagnostic and Disease Management Strategies for Bacterial Spot of Tomato. University of Florida Plant Pathology Departmental Seminar. Gainesville, FL. *Oral Presentation*.

Strayer, A., Paret ML, Jones JB, and Jeyaprakash A. **2014**. Multiplex qPCR Assay for Detecting the Four Causal Agents of Bacterial Spot of Tomato. American Phytopathological Society-Canadian Phytopathological Society Joint Meeting. *Oral Presentation*.

Sun X, **Strayer, A.**, Jeyaprakash A, Jones D, and Schubert T. **2013**. Distinct SNPs Present in the ITS2 Region of *Elsinoë australis* Organisms Detected from Citrus in Florida. American Phytopathological Society-Mycological Society of America Joint Meeting Joint Meeting. *Poster Presentation*.

Grants Awarded

Funded: Federal Grant Programs: 7 Total= \$13,183,863 to AU [\$341,597 to my program]

PI- J. Koebernick and A. Jacobson, A. Hagan, K. Conner, K. Bowen, **A. Strayer-Scherer**, S. Brown, E. Sikora, K. Martin, and S. Kang. **2020-2025**. Cotton Leafroll Dwarf Virus Disease

Management. USDA-ARS, Total Award Amount- \$12,843,315 [\$182,122 to my program- Year 1: \$5,000, Year 2: \$54,722, Year 3: \$69,681, Year 4: \$52,719, and Year 5: \$7,770].

PI- A. Strayer-Scherer and Co-PI- Z. Noel. 2025. National Predictive Modeling Tool Initiative (NPMTI)- Cotton. USDA-ARS, Award Amount- \$53,549 [\$26,775 to my program].

PI- A. Strayer-Scherer and Co-PI- Z. Noel. 2024. National Predictive Modeling Tool Initiative (NPMTI)- Cotton. USDA-ARS, Award Amount- \$62,999 [\$34,000 to my program].

PI- Z. Noel and Co-PI- A. Strayer-Scherer. 2023. National Predictive Modeling Tool Initiative (NPMTI)- Cotton. USDA-ARS, Award Amount- \$114,000 [\$34,000 to my program].

PI- A. Strayer-Scherer. 2022. National Predictive Modeling Tool Initiative (NPMTI)- Cotton. USDA-ARS, Award Amount- \$40,000.

PI- A. Strayer-Scherer, and Co-PIs- A. Jacobson, E. Sikora, J. Koebernick, K. Conner, K. Lawrence, M. Zaccaron, S. Brown, S. H. Kang, and K. Martin. 2021. Cotton Leafroll Dwarf Virus Sentinel Plot Working Group. Southern IPM Center, Award Amount- \$30,000 [\$15,000 to my program].

PI- S. Brown and Co-PIs- A. Jacobson, A. Strayer-Scherer, A. Hagan, J. Koebernick, K. Conner, and K. Lawrence. 2020. Cotton Leafroll Dwarf Virus Sentinel Plot Working Group. Southern IPM Center, Award Amount- \$40,000 [\$2,000 to my program].

**Funded: National and State Commodity Boards: 47 Total= \$1,141,784 [\$734,910 AU]
[\$457,096 to my program]**

PI- A. Strayer-Scherer. 2025. Cotton Seed Treatment Fungicide Combinations for Cotton Seedling Disease Management in Alabama. Alabama Cotton Commission, Award Amount- \$8,000.

PI- A. Strayer-Scherer. 2025. Impact of Cultivar Selection and Fungicide Inputs on Yield of Small Grains as Influenced by Foliar Diseases in Alabama. Alabama Wheat and Feed Grain Producers, Award Amount- \$8,675.

PI-C. Chen and Co-PI- A. Strayer-Scherer. 2025. Advancing Peanut Breeding Lines with Introgression of Leaf Spot Resistances from Wild Species (*Arachis cardenasi*). Alabama Peanut Producers Association, Award Amount- \$42,000 [\$4,861 to my program].

PI- A. Strayer-Scherer. 2025. Multi-state Coordinated Trials: Management of Emerging Cotton Diseases. Cotton Inc., Award Amount- \$20,000.

PI- A. Strayer-Scherer and Co-PI- Z. Noel. 2025. Regional Fungicide Resistance Screening for Areolate Mildew. Cotton Inc., Award Amount- \$45,026 [\$22,513 to my program].

PI- A. Strayer-Scherer and Co-PI- S. H. Graham. 2025. Impact of Insecticide Residue in Leaf Terminals on Thrips Control, Thrips Injury, and Tomato Spotted Wilt Incidence in Peanuts. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$14,000 [\$7,000 to my program].

PI- A. Culbreath and Co-PIs- A. Strayer-Scherer, N. Dufault, I. Small, R. Srinivasan, S. Tubbs, and S. Monfort. 2025. Integrated Management of Tomato Spotted Wilt, Leaf Spot Diseases, Rust, White Mold, and CBR in Peanut. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$89,500 [\$10,500 to my program].

PI- A. Strayer-Scherer. 2025. Pathology- IPM Strategies for Controlling Foliar and Soilborne Diseases of Peanuts in Alabama. Alabama Peanut Producers Association, Award Amount- \$5,000.

PI- A. Strayer-Scherer and Co-PIs- E. Sikora, J. Koebernick, K. Conner, and K. Bowen. **2025.** Distribution and Severity of Disease Caused by a Cotton Leafroll Dwarf Virus (CLRDV) in Alabama Cotton. Alabama Cotton Commission/Cotton, Inc., Award Amount- \$12,000 [all funds to my program].

PI- A. Strayer-Scherer, and Co-PI- J. Koebernick. **2025.** Impact of Cultivar Selection, Cropping Practices, and Fungicide Inputs on Cotton Yield and Quality as Influenced by Areolate Mildew, Target Spot, and Hardlock. Alabama Cotton Commission/Cotton, Inc., Award Amount- \$10,000 [all funds to my program].

PI-C. Chen and **Co-PI- A. Strayer-Scherer**. **2025.** Advancing Peanut Breeding Lines with Introgression of Leaf Spot Resistances from Wild Species (*Arachis cardenasi*). The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$37,139 [\$3,714 to my program].

PI- A. Strayer-Scherer and Co-PI- S. H. Graham. **2024.** Impact of Insecticide Residue in Leaf Terminals on Thrips Control, Thrips Injury, and Tomato Spotted Wilt Incidence in Peanuts. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$15,000 [\$7,500 to my program].

PI- K. Martin and **Co-PI-A. Strayer-Scherer**. **2024.** Optimization of Sequencing of Full Genomes of TSWV from Field Isolates. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$10,500 [\$3,150 to my program].

PI- A. Strayer-Scherer and Co-PIs- E. Sikora, J. Koebernick, K. Conner, and K. Bowen. **2024.** Distribution and Severity of Disease Caused by a Cotton Leafroll Dwarf Virus (CLRDV) in Alabama Cotton. Alabama Cotton Commission/Cotton, Inc., Award Amount- \$11,000 [all funds to my program].

PI- A. Strayer-Scherer, and Co-PI- J. Koebernick. **2024.** Impact of Cultivar Selection, Cropping Practices, and Fungicide Inputs on Cotton Yield and Quality as Influenced by Areolate Mildew, Target Spot, and Hardlock. Alabama Cotton Commission/Cotton, Inc., Award Amount- \$9,000 [all funds to my program].

PI- A. Strayer-Scherer. **2024.** Cotton Seed Treatment Fungicide Combinations for Cotton Seedling Disease Management in Alabama. Alabama Cotton Commission, Award Amount- \$8,000.

PI- A. Strayer-Scherer. **2024.** Impact of Cultivar Selection and Fungicide Inputs on Yield of Small Grains as Influenced by Foliar Diseases in Alabama. Alabama Wheat and Feed Grain Producers, Award Amount- \$8,445.

PI- A. Strayer-Scherer. **2024.** Multi-state Coordinated Trials: Management of Emerging Cotton Diseases. Cotton Inc., Award Amount- \$20,000.

PI- A. Strayer-Scherer and Co-PI- Z. Noel. **2024.** Regional Fungicide Resistance Screening for Areolate Mildew. Cotton Inc., Award Amount- \$45,141 [\$34,753 to my program].

PI-C. Chen and **Co-PI- A. Strayer-Scherer**. **2024.** Rapid Introgression of Leaf Spot Resistances from Wild Species (*Arachis cardenasi*) into Elite Peanut Breeding Lines. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$45,388 [\$4,539 to my program].

PI- A. Culbreath and **Co-PIs- A. Strayer-Scherer**, N. Dufault, I. Small, R. Srinivasan, S. Tubbs, and S. Monfort. **2024.** Integrated Management of Tomato Spotted Wilt, Leaf Spot Diseases, Rust, White Mold, and CBR in Peanut. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$94,000 [\$10,000 to my program].

PI- A. Strayer-Scherer. **2024.** Pathology- IPM Strategies for Controlling Foliar and Soilborne Diseases of Peanuts in Alabama. Alabama Peanut Producers Association, Award Amount- \$8,290.

PI- A. Strayer-Scherer. **2023.** Impact of Cultivar Selection and Fungicide Inputs on Yield of Small Grains as Influenced by Foliar Diseases in Alabama. Alabama Wheat and Feed Grain Producers. Award Amount- \$4,567.

PI- A. Strayer-Scherer. **2023.** Pathology- IPM Strategies for Controlling Foliar and Soilborne Diseases of Peanuts in Alabama. Alabama Peanut Producers Association, Award Amount- \$13,500.

PI- A. Culbreath and **Co-PIs- A. Strayer-Scherer**, N. Dufault, I. Small, R. Srinivasan, S. Tubbs, and S. Monfort. **2023.** Integrated Management of Tomato Spotted Wilt, Leaf Spot Diseases, Rust, White Mold, and CBR in Peanut. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$86,198 [\$11,000 to my program].

PI- A. Strayer-Scherer. **2023.** Integrated Pest Management for Early and Late Leaf Spot of Peanuts in Alabama. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$15,000.

PI- K. Martin, and **Co-PI- A. Strayer-Scherer.** **2023.** Sequencing Resistance Breaking Strains of TSWV in Alabama. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$9,000 [\$4,500 to my program].

PI-C. Chen and **Co-PI- A. Strayer-Scherer.** **2023.** Rapid Introgression of Leaf Spot Resistances from Wild Species (*Arachis cardenasi*) into Elite Peanut Breeding Lines. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$25,000 [\$2,500 to my program].

PI-Li, X and **Co-PI- A. Strayer-Scherer.** **2023.** Evaluation of Spray Drone and Electrostatic Sprayer (MagGrow) in Peanut Production. The Alabama Peanut Producers Association, Award Amount- \$15,000 [all funds to Dr. Li's program].

PI- A. Strayer-Scherer. **2023.** Cotton Seed Treatment Fungicide Combinations for Cotton Seedling Disease Management in Alabama. Alabama Cotton Commission, Award Amount- \$8,000.

PI- A. Strayer-Scherer, and Co-PI- J. Koebernick. **2023.** Impact of Cultivar Selection, Cropping Practices, and Fungicide Inputs on Cotton Yield and Quality as Influenced by Areolate Mildew, Target Spot, and Hardlock. Alabama Cotton Commission/Cotton, Inc., Award Amount- \$8,500 [all funds to my program].

PI- A. Strayer-Scherer and Co-PIs- E. Sikora, J. Koebernick, K. Conner, and K. Bowen. **2023.** Distribution and Severity of Disease Caused by a Cotton Leafroll Dwarf Virus (CLRDV) in Alabama Cotton. Alabama Cotton Commission/Cotton, Inc., Award Amount- \$17,828 [all funds to my program].

PI- A. Strayer-Scherer and Co-PIs- E. Sikora, J. Koebernick, K. Conner, and K. Bowen. **2022.** Distribution and Severity of Disease Caused by a Cotton Leafroll Dwarf Virus (CLRDV) in Alabama Cotton. Alabama Cotton Commission/Cotton, Inc., Award Amount- \$17,411 [all funds to my program].

PI- A. Strayer-Scherer, and Co-PI- J. Koebernick. **2022.** Impact of Cultivar Selection, Cropping Practices, and Fungicide Inputs on Cotton Yield and Quality as Influenced by Areolate Mildew, Target Spot, and Hardlock. Alabama Cotton Commission/Cotton, Inc., Award Amount- \$8,500 [all funds to my program].

PI- A. Strayer-Scherer. 2022. Rapid Introgression of Leaf Spot Resistances from Wild Species (*Arachis cardenasii*) into Elite Peanut Breeding Lines. Alabama Peanut Producers Association, Award Amount- \$2,000.

PI- K. Martin, and Co-PI- A. Strayer-Scherer. 2022. Sequencing Resistance Breaking Strains of TSWV in Alabama. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$10,500 [\$5,250 to my program].

PI- A. Strayer-Scherer. 2022. Pathology- IPM Strategies for Controlling Foliar and Soilborne Diseases of Peanuts in Alabama. Alabama Peanut Producers Association, Award Amount- \$15,000.

PI- S. Lee, and Co-PIs- A. Strayer-Scherer, S. Graham, and K. Balkcom. 2022. Exploring Interactions Among Herbicide Injury, Varieties, In-Furrow Insecticides, and Their Effects on TSWV Presence in Alabama Peanuts. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$15,000 [\$750 to my program].

PI- A. Culbreath and Co-PIs- A. Strayer-Scherer, N. Dufault, I. Small, R. Srinivasan, S. Tubbs, and S. Monfort. 2022. Integrated Management of Tomato Spotted Wilt, Leaf Spot Diseases, Rust, White Mold, and CBR in Peanut. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$90,631 [\$11,000 to my program].

PI- A. Strayer-Scherer. 2022. Integrated Pest Management for Early and Late Leaf Spot of Peanuts in Alabama. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$17,000.

PI- Y. Boa and CO-PIs- A. Strayer-Scherer and K. Lawrence. 2021. Utilizing Drones to Detect Herbicide Injury and Common Cotton Pests –A Pilot Project. Alabama Cotton Commission, Award Amount- \$8,000 [all funds to Dr. Boa’s program].

PI- A. Strayer-Scherer. 2021. Cotton Leafroll Dwarf Virus (CLRDV) Sentinel Plot Project- 2021. Cotton, Inc., Award Amount- \$10,000.

PI- A. Strayer-Scherer. 2021. IPM Strategies for Controlling Foliar and Soilborne Diseases of Peanuts in Alabama. Alabama Peanut Producers Association, Award Amount- \$15,000.

PI- A. Culbreath and Co-PIs- A. Strayer-Scherer, N. Dufault, I. Small, R. Srinivasan, S. Tubbs, and S. Monfort. 2021. Integrated management of tomato spotted wilt, leaf spot, rust, white mold and CBR in peanut. The Southeastern Peanut Research Initiative Committee- The National Peanut Board, Award Amount- \$84,045 [\$15,000 to my program].

PI- A. Strayer-Scherer. 2020. Incidence and Impact of Cotton Leafroll Dwarf Disease (CLRDD) in the Southeastern (SE) U.S. Cotton Belt (AL). Cotton Inc., Award Amount- \$5,000.

PI- J. Koebernick and Co-PIs- A. Jacobson, A. Strayer-Scherer, E. Sikora, K. Conner, and K. Bowen, Project Duration. 2020. Onset and Development of Disease Caused by a Cotton Leafroll Dwarf Virus (CLRDV)-Related Virus in Alabama Cotton. Alabama Cotton Commission- Award Amount- \$40,000 [\$4,000 to my program].

PI- A. Strayer-Scherer. 2020. Pathology. Alabama Peanut Producers Association, Award Amount- \$15,000.

Funded: Industry Contracts: 2 Total= \$46,300 [\$46,300 AU to my program]

PI- A. Strayer-Scherer. 2020. Protocol number(s): NA20YT669004F, NA207T669016F, NA20YT669019F, NA20LEM003F - Efficacy of Novel Fungicides for the Control of Foliar

and Soilborne Diseases of Cotton and Peanut. Du Pont de Nemours & Co. (Corteva), Amount awarded \$20,300.

PI- A. Strayer-Scherer and Co-PI- A. K. Hagan. **2019.** Efficacy of novel fungicides for the control diseases in cotton and peanut. BASF, Amount awarded \$26,000.

Extension Grants: 2 Total - \$773,852 to ACES/AU [\$16,500 to my program]

PI- E. Francisco, and **CO-PIs-** B. Ortiz, D. Russell, S. Graham, and **A. Strayer-Scherer. 2024.** Alabama Row Crop Short Course. Alabama Wheat and Feed Grain Producers, Award Amount- \$10,000 to support the Row Crop Short Course.

- *Contributed to Extension objectives.*

PI- D. Held, Co-PD- S. Li, and **Co-PIs-** E. Sikora, **A. Strayer-Scherer, K. Lawrence, D. Russell, and S. Graham. 2021-2023.** Statewide Extension IPM Coordination Prog for Au & Aces-Agronomic Crops. USDA-NIFA, Award Amount- Year 1: \$255,000, Year 2: \$254,107, and Year 3: \$254,745 [\$5,500 per year for a total of \$16,500 to my program].

- *Contributed to writing of grant, conceptual framework and objectives.*
- *Responsible for cotton, peanut, and small grain disease control and monitoring efforts.*

Additional Extramural Support (gifts, in-kind): 48 Total= \$540,750 [\$540,750 AU and my program]

2025: Received additional program support through cooperation with BASF (\$14,750), The Cotton Foundation (\$5,000), Leigh Agricultural & Biological Services Inc. (\$6,400), Microbes Inc. (\$7,250), Sipcam Agro (\$3,000), Syngenta (\$12,000), UPL NA, Inc. (\$4,000), and Valent (\$4,000) **for a total of \$56,400.**

2024: Received additional program support through cooperation with Adama US (\$22,000), BASF (\$16,400), Bayer (\$5,000), Corteva (\$15,000), The Cotton Foundation (\$3,500), FMC Corporation (\$8,000), Leigh Agricultural & Biological Services Inc. (\$11,200), Syngenta (\$12,000), UPL NA, Inc. (\$4,500), and Valent (\$5,000) **for a total of \$114,600.**

2023: Received additional program support through cooperation with Adama US (\$8,250), BASF (\$16,400), Bayer (\$9,000), FMC (\$30,000), Lehigh Agricultural and Biological Services (\$17,600), Syngenta (\$16,000), UPL (\$7,000), and Valent (\$3,000) **for a total of \$107,250.**

2022: Received additional program support through cooperation with Adama US (\$7,000), Bayer (\$9,000), BASF (\$21,000), Corteva Agriscience, LLC (\$4,000), FMC Corporation (\$30,000), Leigh Agricultural & Biological Services Inc. (\$4,000), Sipcam Agro USA (\$4,500), Syngenta (\$19,000), UPL (\$6,000), and Valent (\$2,000) **for a total of \$106,500.**

2021: Received additional program support through cooperation with AMVAC (\$5,000), Lehigh Agricultural and Biological Services Inc. (\$5,500), Adama US (\$7,000), UPL (\$7,000), Syngenta (\$40,500), FMC Corporation (\$10,500), and Bayer (\$10,500) plus an additional \$4,000 from various industry partners **for a total of \$87,500.**

2020: Received additional program support through cooperation with Bayer (\$18,000), BASF (\$7,500), Syngenta (\$34,000), and FMC (\$9,000) **for a total of \$68,500.**

Extension Publications (* designates a graduate student and * designates an REA):**

Barizon, J. Bish, M., Gorny, A., **Strayer-Scherer, A.**, Kemerait, B., Wilson, B., Bradley, C., Liu, C., Floyd, C., Ahumada, D., Langston, D., Sikora, E., Kelly, H., Small, I., Chowdhury,

I.A., Borneman, J., Hu, J., Mueller, J., Khana, C., Lawrence, K., Wise, K., Duffeck, M.m, Rondon, M., Anderson, N., Noland, R., Spurlock, T., Wheeler, T., Allen, T., Isakeit, T., Faske, T., Price, T., Watson, T., Pan, X., and Grabau, Z. **2025.** [Selecting Cotton Cultivars with Nematode Resistance and Tolerance](#). Crop Protection Network-7004.

Strayer-Scherer, A., Lawrence, K., Graham, S. H., ***McGriff, E., and Conner, K. **2025.** [Nematodes in Alabama Cotton, ANR-967](#). Alabama Cooperative Extensions Services.

Faske, T., Lawrence, K., **Strayer-Scherer, A.**, Hu, A., Norton, R., Hutmacher, R., Grabau, Z., Small, I., Kemerait, R., Sisson, A., Onofre, R., Price, T., Watson, T., Allen, T., Floyd, C., Wilson, B., Idowu, J. O., Ahumada, D., Gorny, A., Duffeck, M., Smith, J., Mueller, J., Kelly, H., Isakeit, T., Wheeler, T., and Langston, D. **2025.** [Cotton Disease Loss Estimates from the United States — 2024, CPN-7001-24](#). Crop Protection Network.

Noel, Z., Bragg, M., Olofintila, O., Lawrence, K., Allen, T., Bayles, M. B., Bissonnette, K., Faske, T. R., Floyd, C. A., Kelly, H. M., Kemerait, R. C., Monclova-Santana, C., Price, P., Rojas, A., Small, I., Spurlock, T., **Strayer-Scherer, A.**, Wheeler, T. A., and Wilkerson, T. H. **2025.** [Prevalence of the Oomycete species on Cotton in Alabama and Across the Cotton Belt](#). Crop Protection Network.

Strayer-Scherer, A., and *Kaur Baryah, K. **2024.** [Areolate Mildew, ANR-3101](#). Alabama Cooperative Extensions Services.

Kesheimer, K., ***McGriff, E., Graham, S., **Strayer-Scherer, A.**, Conner, K., Rabinowitz, A., Sparks, A., ***Vanderford, J., Gamble, A., Russell, D., Ortiz, B., Pereira, L. I., Lena, B., ***Morata, G., Kelton, J., Li, S., Thomas, S., Jones, J., Sandlin, T., Prasad, R., ***Mack, S., Francisco, E., Brown, S., and Sikora, E. **2023.** [Agronomic Crops Impact Report 2022, ANR-3008](#). Alabama Cooperative Extension Services.

Strayer-Scherer, A. **2023.** [Target Spot of Cotton, ANR-3012](#). Alabama Cooperative Extension Services.

Strayer-Scherer, A., and Balkcom, K. **2023.** [Foliar Diseases of Peanuts, ANR-0369](#). Alabama Cooperative Extension Services.

Strayer-Scherer, A., ***McGriff, E., Brown, S., and Gamble, A. **2023.** [Stemphylium Leaf Spot of Cotton, ANR-2944](#). Alabama Cooperative Extension Services.

Kesheimer, K., ***McGriff, E., Graham, S., **Strayer-Scherer, A.**, Conner, K., Rabinowitz, A., Sparks, A., ***Vanderford, J., Gamble, A., Russell, D., Ortiz, B., Pereira, L. I., Lena, B., ***Morata, G., Kelton, J., Li, S., Thomas, S., Jones, J., Sandlin, T., Prasad, R., ***Mack, S., Francisco, E., Brown, S., and Sikora, E. **2022.** [Alabama Crops Impact Report 2021, ANR-2888](#). Alabama Cooperative Extension Services.

Conner, K., **Strayer-Scherer, A.**, Hagan, A., Koebernick, J., Jacobson, A., Bowen, K., Sikora, E., Graham, S., and Brown, S. **2021.** [Cotton Leafroll Dwarf Virus, ANR-2539](#). Alabama Cooperative Extension Services.

Conner, K., Kesheimer, K., Graham, S., **Strayer-Scherer, A.**, Majumdar, A., Sikora, E., Prasad, R., Li, S., Brown, S., Sandlin, T., Russell, D., and Jones, J. **2021.** [Agronomic Crops Impact Report 2020, ANR-2790](#). Alabama Cooperative Extension Services.

Strayer-Scherer, A. and Graham, S. **2021.** [Tomato Spotted Wilt Virus on Peanuts, ANR-0574](#). Alabama Cooperative Extension Services.

Strayer-Scherer, A., Hagan, H. K., Conner K., Jacobi, J., and ***Edwards, L. **2020.** [ANR-1117: Slime Molds on Home Lawns](#). Alabama Cooperative Extension System.

Hagan, H., **Strayer-Scherer, A.**, and Jacobi, J. 2020. [ANR-0823: Take-All Root Rot on St. Augustinegrass](#). Alabama Cooperative Extension System.

Hagan, H. K., **Strayer-Scherer, A.**, Jacobi, J., and ***Edwards, L. 2020. [ANR-0371- Control of Spring Dead Spot and Bermudagrass Decline](#). Alabama Cooperative Extension Services.

Strayer-Scherer, A., Liao, YY., Abrahamian, P., Timilsina, S., Paret, M. L., Momol, T., Jones, J. B., and Vallad, G. E. 2019. [Integrated Management of Bacterial Spot of Tomato in Florida](#). EDIS, University of Florida.

Non-Referred Extension Publications

Strayer-Scherer, A. [IPM-1291: Commercial Turf and Lawn, Disease and Nematodes](#). Alabama Cooperative Extension Services. *Updated yearly.*

Strayer-Scherer, A. [IPM-0458: Small Grains- Disease Recommendations](#). Alabama Cooperative Extension Services. *Updated yearly.*

Strayer-Scherer, A. [IPM-0429: Grain Sorghum- Disease Recommendations](#). Alabama Cooperative Extension Services. *Updated yearly.*

Strayer-Scherer, A. [IPM-0415: Cotton- Disease and Nematode Recommendations](#). Alabama Cooperative Extension Services. *Updated yearly.*

Strayer-Scherer, A. [IPM-0360: Peanut- Disease and Nematode Recommendations](#). Alabama Cooperative Extension Services. *Updated yearly.*

Strayer-Scherer, A. 2025. [FHB Incidence Reduced in the Southern States- Alabama Update in the FHB- Disease Impact Update \(pp. 7\)](#). Editor- Hoffstetter, A. U.S. Wheat and Barley Scab Initiative.

Kemerait, R., Culbreath, A., Brenneman, T., Tubbs, S., Srinivasan, R., Abney, M., Monfort, S., Pilon, C., Bag, S., Brown, N., LaForest, J., Prostko, E., Tillman, B., Dufault, N., Small, I., Leonar, D., Chen, C., Jacobson, A., Balkcom, K., **Strayer-Scherer, A.**, Graham, S., Zerweller, B., Anco, D., and Lux, L. 2025. [2025 Peanut Rx Disease Risk Index](#). University of Georgia Extension.

Strayer-Scherer, A. 2024. [FHB Incidence Reduced in the Southern States- Alabama Update in the FHB- Disease Impact Update \(pp. 7\)](#). Editor- Hoffstetter, A. U.S. Wheat and Barley Scab Initiative.

Strayer-Scherer, A. 2023. [Low Levels of FHB Reported in the Southern States- Alabama Update in the FHB- Disease Impact Update \(pp. 7\)](#). Editor- Hoffstetter, A. U.S. Wheat and Barley Scab Initiative.

Kemerait, R., Culbreath, A., Brenneman, T., Tubbs, S., Srinivasan, R., Abney, M., Monfort, S., Pilon, C., Bag, S., Brown, N., LaForest, J., Prostko, E., Tillman, B., Dufault, N., Small, I., Chen, C., Jacobson, A., Balkcom, K., **Strayer-Scherer, A.**, Graham, S., Zerweller, B., and Anco, D. 2023. [2023 Peanut Rx Disease Risk Index](#). University of Georgia Extension.

Lamb, M., Gamble, A., Graham, S., Sawadgo, W., Rabinowitz, A., Li, S., **Strayer-Scherer, A.**, Balkcom, K., and Ortiz, B. 2021-2022. [2022 Peanut Production Guide](#). Alabama Peanut Producers Association.

Kemerait, R., Culbreath, A., Brenneman, T., Tubbs, S., Srinivasan, R., Abney, M., Monfort, S., Pilon, C., Bag, S., Brown, N., LaForest, J., Prostko, E., Tillman, B., Dufault, N., Mulvaney, M., Small, I., Chen, C., Jacobson, A., Balkcom, K., **Strayer-Scherer, A.**, Graham, S., Zerweller, B., and Anco, D. 2022. [2022 Peanut Rx Disease Risk Index](#). University of Georgia Extension.

Kemerait, R., Culbreath, A., Brenneman, T., Tubbs, S., Srinivasan, R., Abney, M., Monfort, S., Pilon, C., Bag, S., Brown, N., LaForest, J., Prostko, E., Tillman, B., Dufault, N., Mulvaney, M., Small, I., Chen, C., Jacobson, A., Balkcom, K., **Strayer-Scherer, A.**, Hagan, A. K., Zerweller, B., and Anco, D. [2021 Peanut Rx Disease Risk Index](#). University of Georgia Extension.

Kemerait, R., Culbreath, A., Prostko, E., Brenneman, T., Tubbs, S., Srinivasan, R., Abney, M., Monfort, S., Rabinowitz, A., Pilon, C., Bag, S., Tilman, B., Dufault, N., Mulvaney, M., Small, I., Hagan, A., Chen, C., Jacobson, A., Balkcom, K., **Strayer-Scherer, A.**, Zerweller, B., and Anco, D. [2020 Peanut Rx- Minimizing Diseases of Peanut in the Southeastern United States](#). University of Georgia Extension.

Strayer-Scherer, A., and Meadows, I. [2019. Foliar Fungal Diseases on High Tunnel and Greenhouse Tomatoes](#). North Carolina State University Extension Disease Fact Sheets.

Strayer-Scherer, A., and Meadows, I. [2019. Collar rot and Alternaria Stem Canker of Tomato](#). North Carolina State University Extension Disease Fact Sheets.

Strayer-Scherer, A., Henson, M., and Meadows, I. [2019. Bacterial Spot of Pepper and Tomato](#). North Carolina State University Extension Disease Fact Sheets.

Strayer-Scherer, A., Henson, M., and Meadows, I. [2019. Southern Blight of Tomato and Pepper](#). North Carolina State University Extension Disease Fact Sheets.

Meadows, I., Sharpe, S., and **Strayer-Scherer, A.** [2018. Phytophthora Blight and Root Rot on Annuals and Herbaceous Perennials](#). North Carolina State University Extension Disease Fact Sheets.

Extension and Outreach Activities (* designates a student and ** designates a research assistant in my research program)

Invited Extension Presentations (9 Total- 2 national, 2 regional, and 4 in-state reaching ~67 stakeholders):

Strayer-Scherer, A. [2024. Invited Speaker](#). “Cotton Foliar Disease Update and Management.” 33rd Milan No-Till Crop Production Field Day. *Two 15-minute presentation*. 1,257 attendees from 12 states.

Strayer-Scherer, A. [2023. Invited Speaker](#). “Common Diseases of Cotton and Peanut.” Alabama Crop Management Association Spring Meeting. June 15th, 2023. *45-minute oral presentation*. 20 attendees.

Strayer-Scherer, A. [2023. Invited Panelist](#). “Career Opportunities in Agriculture.” February 14th, 2023. University of Florida. 19 attendees.

Strayer-Scherer, A. [2022. Invited Speaker](#). “Focus on Cotton: Cotton Leafroll Dwarf Virus in the U.S.” American Phytopathological Society Grow Plant Health Exchange- Focus on Cotton Series Webinar. April 21st, 2022. *20-minute oral presentation*.

Strayer-Scherer, A., Conner, K., and Hagan, A. K. [2022. Invited Panelist](#). “Cotton Leafroll Dwarf Virus: Management.” Southern IPM Hour Webinar- Southern IPM Center. April 6th, 2022. *45-minute oral presentation (15 minutes per speaker)*. 22 attendees.

Strayer-Scherer, A. [2021. Invited Speaker](#). “Common Diseases of Cotton and Peanut.” Alabama Crop Management Association Winter Meeting. December 7th, 2021. *30-minute oral presentation*.

Strayer-Scherer, A. 2021. *Invited Panelist.* “Developing a Toolkit for Effective Extension and Outreach- Virtual Workshop.” November 30th, 2021. American Phytopathological Society Extension Committee Workshop. *60-minute moderated discussion.*

Strayer-Scherer, A. 2021. *Invited Speaker.* “Common Diseases of Cotton, Corn, and Peanut.” Alabama Crop Management Association Spring Meeting. June 18th, 2021. *45-minute oral presentation.*

Strayer-Scherer, A. 2021. *Invited Speaker.* “Cotton and Peanut Disease and Management Update.” Alabama Crop Consultants Meeting. March 24th, 2021. *Presenter and Panelist.* 6 attendees.

Presentations at Extension Sponsored Events (92 Total reaching ~2,378 stakeholders):

Strayer-Scherer, A. 2025. “Disease Management: Cotton and Peanuts.” The Alabama Crop Management Association Winter Meeting. December 9th, 2025. *50-minute oral presentation.*

Strayer-Scherer, A. 2025. “Peanut Disease Update.” 47th Annual Central Crops Field Tour. July 22nd, 2025. *10-minute oral presentation.*

Strayer-Scherer, A. 2025. Turfgrass Diseases: Identification and Management. June 24th, 2025. Commercial Turf Management Workshop. Homewood, Alabama.

Strayer-Scherer, A. 2025. IPM in Cotton and Peanuts. June 20th, 2025. Alabama Crop Management Association Summer Meeting. Orange Beach, Alabama.

Strayer-Scherer, A. 2025. Cotton Disease Management. June 10th, 2025. 66th Crops Scouting School at the Millstead Farm Group in Shorter, Alabama.

Strayer-Scherer, A. 2025. Cotton and Peanut Disease Management. June 3rd, 2025. 66th Crops Scouting School at the Wiregrass Research and Extension Center. Headland, AL.

Strayer-Scherer, A. 2025. Cotton and Peanut Disease Update. May 7th, 2025. Alabama Crop Consultants Meeting. Evergreen, AL. 17 attendees.

*Sullins, K., and **Strayer-Scherer, A. 2025.** “Turfgrass Diseases- Identification and Control.” Alabama Turf Association Huntsville Road Show- February 26th, 2025. *45-minute oral presentation.*

Strayer-Scherer, A. and *Sullins, K. **2025.** “Turfgrass Diseases- Identification and Control.” Alabama Turf Association Montgomery Road Show- February 19th, 2025. *45-minute oral presentation.*

*/**Cavassa, M., and **Strayer-Scherer, A. 2025.** “Peanut Disease Management Update.” Alabama Peanut Producers Association Production Meeting- Mobile County. February 18th, 2025. *15-minute oral presentation.* 27 attendees.

*/**Cavassa, M., and **Strayer-Scherer, A. 2025.** “Peanut Disease Management Update.” Alabama Peanut Producers Association Production Meeting- Baldwin County. February 18th, 2025. *15-minute oral presentation.* 53 attendees.

*/**Cavassa, M., and **Strayer-Scherer, A. 2025.** “Peanut Disease Management Update.” Alabama Peanut Producers Association Production Meeting- Lee County. February 13th, 2024. *15-minute oral presentation.* 17 attendees.

Strayer-Scherer, A. and */**Cavassa, M. **2025.** “Peanut Disease Management Update.” Alabama Peanut Producers Association Production Meeting- Dallas County. February 13th, 2024. *15-minute oral presentation.* 21 attendees.

Strayer-Scherer, A. and *Sullins, K. 2025. "Turfgrass Diseases- Identification and Control." Alabama Turf Association Gardendale Road Show- February 12th, 2025. *45-minute oral presentation.*

***/**Cavassa, M., and Strayer-Scherer, A. 2025.** "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Geneva County. February 10th, 2025. *15-minute oral presentation.* 43 attendees.

Strayer-Scherer, A. and */Cavassa, M. 2025.** "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Henry County. February 10th, 2024. *15-minute oral presentation.* 52 attendees.

***/**Cavassa, M., and Strayer-Scherer, A. 2025.** "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Escambia County. February 6th, 2025. *15-minute oral presentation.* 51 attendees.

Strayer-Scherer, A. and */Cavassa, M. 2025.** "Peanut Disease Management." Alabama-Florida Peanut Trade Show- Dothan, AL. January 30th, 2025. *Poster presentation.*

Strayer-Scherer, A. and *Sullins, K. 2025. "Turfgrass Diseases- Identification and Control." Alabama Turf Association Dothan Road Show- January 29th, 2025. *45-minute oral presentation.*

***Sullins, K., and Strayer-Scherer, A. 2025.** "Turfgrass Diseases- Identification and Control." Alabama Turf Association Loxley Road Show- January 15th, 2025. *45-minute oral presentation.*

Strayer-Scherer, A. 2024. "Peanut and Cotton Disease Update." 46th Annual Central Crops Field Tour. August 1st, 2024. *15-minute oral presentation.*

***Sullins, K., and Strayer-Scherer, A. 2024.** "Disease Update and Management in the Landscape." Alabama Turf Association Huntsville Road Show- February 28th, 2024. *45-minute oral presentation.*

***/**Cavassa, M., and Strayer-Scherer, A. 2024.** "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Escambia County. February 23rd, 2024. *15-minute oral presentation.* 59 attendees.

***/**Cavassa, M., and Strayer-Scherer, A. 2024.** "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Baldwin County. February 22nd, 2024. *15-minute oral presentation.* 58 attendees.

***/**Cavassa, M., and Strayer-Scherer, A. 2024.** "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Mobile County. February 22nd, 2024. *15-minute oral presentation.* 23 attendees.

***Sullins, K., and Strayer-Scherer, A. 2024.** "Disease Update and Management in the Landscape." Alabama Turf Association Birmingham Road Show- February 21st, 2024. *45-minute oral presentation.*

***/**Cavassa, M., and Strayer-Scherer, A. 2024** "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Henry County. February 15th, 2024. *15-minute oral presentation.* 54 attendees.

***/**Cavassa, M., and Strayer-Scherer, A. 2024.** "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Geneva County. February 15th, 2024. *15-minute oral presentation.* 52 attendees.

*/**Cavassa, M., and **Strayer-Scherer, A.** 2024. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Dallas County. February 13th, 2024. *15-minute oral presentation.* 5 attendees.

*/**Cavassa, M., and **Strayer-Scherer, A.** 2024. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Society Hill. February 12th, 2024. *15-minute oral presentation.* 23 attendees.

*/**Cavassa, M., and **Strayer-Scherer, A.** 2024. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Cullman. February 12th, 2024. *15-minute oral presentation.* 15 attendees.

Strayer-Scherer, A. 2024. "Disease Update and Management in the Landscape." Alabama Turf Association Montgomery Road Show- February 7th, 2024. *45-minute oral presentation.*

Strayer-Scherer, A. and */**Cavassa, M. 2024. "Peanut Disease Management." Alabama- Florida Peanut Trade Show- Dothan, AL. February 2nd, 2024. *Poster presentation.*

Strayer-Scherer, A. 2024. "Disease Update and Management in the Landscape." Alabama Turf Association Dothan Road Show- January 17th, 2023. *45-minute oral presentation.*

Strayer-Scherer, A. 2024. "Disease Update and Management in the Landscape." Alabama Turf Association Loxley Road Show- January 10th, 2024. *45-minute oral presentation.*

Strayer-Scherer, A. 2023. "Managing Cotton Diseases." The 2023 Alabama Row Crop Short Course. December 14th, 2023. *30-mintue oral presentation. Presenter and member of organizing committee.* 155 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Update." 45th Annual Central Crops Field Tour. August 3rd, 2023. *10-minute oral presentation.* 82 attendees.

Strayer-Scherer, A. 2023. "Cotton Disease Update." 45th Annual Central Crops Field Tour. August 3rd, 2023. *10-minute oral presentation.* 82 attendees.

Strayer-Scherer, A. 2023. "Disease Identification in Home Yards." Home Grounds, Gardens & Home Pests- Master Gardner Monthly Update Webinar Series. June 26th, 2023. *45-minute oral presentation.* 14 attendees.

Strayer-Scherer, A. 2023. "Disease Identification in Home Yards." Home Grounds, Gardens & Home Pests- Alabama Smart Yards Webinar Series. May 3rd, 2023. *30-minute oral presentation.* 40 attendees.

Strayer-Scherer, A. 2023. "Cotton Nematode Management Update." ACES Cotton Production Meeting- Geneva County. March 7th, 2023. *20-minute oral presentation.* 17 attendees.

Strayer-Scherer, A. 2023. "Cotton Disease and Nematode Management Update." ACES Cotton Production Meeting- Autaugaville. March 7th, 2023. *20-minute oral presentation.* 11 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Escambia County. March 3rd, 2023. *15-minute oral presentation.* 23 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Baldwin County. March 2nd, 2023. *15-minute oral presentation.* 43 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Mobile County. March 2nd, 2023. *15-minute oral presentation.* 37 attendees.

Strayer-Scherer, A. 2023. "Cotton Disease and Nematode Management Update." ACES Cotton Production Meeting- E.V. Smith. March 1st, 2023. *20-minute oral presentation.* 23 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Cullman County. February 27th, 2023. *15-minute oral presentation.* 15 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Henry County. February 23rd, 2023. *15-minute oral presentation.* 56 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Geneva County. February 23rd, 2023. *15-minute oral presentation.* 54 attendees.

Strayer-Scherer, A. 2023. "Cotton Nematode Management." Cotton Expo. February 10th, 2023. *25-minute oral Presentation.*

Strayer-Scherer, A. 2023. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Society Hill. February 7th, 2023. *15-minute oral presentation.* 15 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Dallas County. February 7th, 2023. *15-minute oral presentation.* 4 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Management." Alabama-Florida Peanut Trade Show- Dothan, AL. February 2nd, 2023. *Poster presentation.*

*Kaur, L, **Campbell, H. L., Parker, C. and **Strayer-Scherer, A. 2023.** "Peanut Disease Management." Alabama-Florida Peanut Trade Show- Dothan, AL. February 2nd, 2023. *Poster presentation.*

Shehata, A., Mayfield, M., Clark, C., **Strayer-Scherer, A.**, Jacobson, A., and Martin, K. 2023. Sequencing the Nucleocapsid of Tomato Spotted Wilt Virus is a Step Towards Understanding the Peanut Breaking Resistance in Alabama. Alabama-Florida Peanut Trade Show- Dothan, AL. February 2nd, 2023. *Poster presentation.*

Strayer-Scherer, A. 2023. "New Fungicide Products- Improving Efficacy." Alabama Turf Association Montgomery Road Show- February 1st, 2023. *45-minute oral presentation.*

Strayer-Scherer, A. 2023. "New Fungicide Products- Improving Efficacy." Alabama Turf Association Dothan Road Show- January 25th, 2023. *45-minute oral presentation.*

Strayer-Scherer, A. 2023. "New Fungicide Products- Improving Efficacy." Alabama Turf Association Loxley Road Show- January 11th, 2023. *45-minute oral presentation.*

Strayer-Scherer, A. 2022. "2022 Row Crop Disease Update." 2022 Alabama Row Crop Short Course. December 14th, 2022. *30-minute oral presentation. Presenter and member of organizing committee.* 202 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." 44th Annual Central Alabama Crops Tour. August 11th, 2022. *10-minute oral presentations.* 61 attendees.

Strayer-Scherer, A. 2022. "Cotton Disease Management Update." 44th Annual Central Alabama Crops Tour. August 11th, 2022. *10-minute oral presentations.* 61 attendees.

Strayer-Scherer, A. 2022. "Cotton Disease Management Update." Cotton Production Meeting- Shelby/Talladega. Mar 22nd, 2022. *20-minute oral presentation.* 17 attendees.

Strayer-Scherer, A. 2022. "Cotton Disease Management Update." Cotton and Grain Production Meeting- E.V. Smith. Mar 10th, 2022. *15-minute oral presentation.*

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Atmore. February 25th, 2022. *15-minute oral presentation.* 42 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Irvington. February 24th, 2022. *15-minute oral presentation.* 22 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Robertsdale. February 24th, 2022. *15-minute oral presentation.* 47 attendees.

Campbell, H. L., and **Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Dallas County. February 23rd, 2022. *15-minute oral presentation.*

Strayer-Scherer, A. 2022. "Can Turfgrass Diseases Be Prevented to Minimize Pesticide Use?". Alabama Turf Association Huntsville Road Show- February 23rd, 2022. *45-minute oral presentation.* 80 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Headland. February 22nd, 2022. *15-minute oral presentation.* 60 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Hartford. February 22nd, 2022. *15-minute oral presentation.* 52 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Auburn. February 21st, 2022. *15-minute oral presentation.* 23 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Alabama Peanut Producers Association Production Meeting- Cullman. February 21st, 2022. *15-minute oral presentation.* 19 attendees.

Strayer-Scherer, A. 2022. "Can Turfgrass Diseases Be Prevented to Minimize Pesticide Use?". Alabama Turf Association Birmingham Road Show- February 16th, 2022. *45-minute oral presentation.* 75 attendees.

Strayer-Scherer, A. 2022. "Cotton Disease Update." Cotton Expo. February 11th, 2022. *30-minute oral presentation.*

Strayer-Scherer, A. 2022. "2021 Peanut Research Trial Update." Florida-Alabama Peanut Trade Show. February 3rd, 2022. Dothan, AL. *Poster presentation.*

Strayer-Scherer, A. 2022. "Can Turfgrass Diseases Be Prevented to Minimize Pesticide Use?". Alabama Turf Association Montgomery Road Show- February 2nd, 2022. *45-minute oral presentation.* 41 attendees.

Strayer-Scherer, A. 2022. "Can Turfgrass Diseases Be Prevented to Minimize Pesticide Use?". Alabama Turf Association Dothan Road Show- January 26th, 2022. *45-minute oral presentation.* 15 attendees.

Strayer-Scherer, A. 2022. "Can Turfgrass Diseases Be Prevented to Minimize Pesticide Use?". Alabama Turf Association Loxley Road Show- January 12th, 2022. *45-minute oral presentation.* 34 attendees.

Strayer-Scherer, A. 2021. "Scouting and Managing for Plant Diseases." Calhoun County Master Gardener Association Presentation. August 25th, 2021. *45-minute oral presentation.* 5 attendees.

Strayer-Scherer, A. 2021. "Peanut and Cotton Disease and Management Update." 43rd Annual Central Alabama Crops Tour. August 10th, 2021. *20-minute oral presentation.*

Strayer-Scherer, A. 2021. "Cotton, Peanut, and Small Grains Disease and Management Update." SW Alabama Pest Management Tour- Baldwin, Mobile, Monroe, and Escambia Co. March 18 and 19th, 2021. *Presenter and Panelist.* 35 attendees.

Strayer-Scherer, A. 2021. "Cotton, Peanut, and Small Grains Disease and Management Update." Wiregrass Pest Management Tour- Eufaula and Hartford, Alabama. March 15th, 2021. *Presenter and Panelist.* 19 attendees.

Strayer-Scherer, A. 2021. "Cotton, Peanut, and Small Grains Disease and Management Update." Wiregrass Pest Management Tour- Dothan, Alabama. March 11th, 2021. *Presenter and Panelist.* 14 attendees.

Strayer-Scherer, A. 2021. "Cotton, Peanut, and Small Grains Disease and Management Update." Central Alabama Pest Management Tour. March 9th, 2021. *Presenter and Panelist.* 21 attendees.

Strayer-Scherer, A. 2021. "Cotton, Peanut, and Small Grains Disease and Management Update." North Alabama Pest Management Tour- Cherokee, Blount, and Talladega counties. March 2nd, 2021. *Presenter and Panelist.* 47 attendees.

Strayer-Scherer, A. 2021. "Cotton, Peanut, and Small Grains Disease and Management Update." West Alabama Pest Management Tour -Selma, Alabama. March 1st, 2021. *Presenter and Panelist.* 12 attendees.

Strayer-Scherer, A. 2021. "Scouting Could Save Your Turfgrass Budget Major Dollars". Alabama Turf Association Virtual Road Show- January 27th, 2021. *45-minute oral presentation.* 142 attendees.

Strayer-Scherer, A. 2021. "Scouting Could Save Your Turfgrass Budget Major Dollars". Alabama Turf Association Virtual Road Show- January 6th, 2021. *45-minute oral presentation.* 97 attendees.

Strayer-Scherer, A. 2020. "Cotton and Peanut Disease Management." Alabama Certified Crop Advisor Training. December 15th, 2020. *30-minute oral presentation.*

Strayer-Scherer, A. 2020. "Peanut Disease Management." Alabama Peanut Producer Association Meeting- Cullman County. February 28th, 2020. *25-minute oral presentation.*

Strayer-Scherer, A. 2020. "Peanut Disease Management." Alabama Peanut Producer Association Meeting- Macon County. February 27th, 2020. *25-minute oral presentation.* 17 attendees.

Strayer-Scherer, A. 2020. "Peanut Disease Management." Alabama Peanut Producer Association Meeting- Dallas County. February 27th, 2020. *25-minute oral presentation.*

Strayer-Scherer, A. 2020. "Cotton Disease Management." Row Crop Production Meeting- Tuscaloosa Co. January 22nd, 2020. *30-minute oral presentation. Presenter and member of organizing committee.* 30 attendees.

In-Service Trainings, Monthly Team Webinars, and Social Media Engagements (14 Total reaching ~843):

Strayer-Scherer, A. 2025. "IPM- Ornamentals and Turf." Home Horticulture Monthly Meeting. October 6th, 2025. *20-minute oral presentation.*

Strayer-Scherer, A. 2024. "Fungicide Application Considerations for Turfgrass Diseases." Commercial Horticulture Monthly Webinar Series. May 20th, 2024. *20-minute oral presentation*

-Scherer, A. 2024. "Proactive Disease Management-Turfgrass." Commercial Horticulture Monthly Webinar Series. May 20th, 2024. *20-minute oral presentation.*

Strayer-Scherer, A. 2023. "Fungicide Application Considerations for Turfgrass Diseases." Commercial Horticulture Monthly Webinar Series. May 22nd, 2023. *20-minute oral presentation.* 26 attendees.

Strayer-Scherer, A. 2023. "Diagnosing Ornamental Diseases." Home Grounds, Gardens & Home Pests Monthly Webinar Series- In-Service Training. April 7th, 2023. *30-minute oral presentation.* 19 attendees.

Strayer-Scherer, A. 2022. "Scouting and IPM Strategies for Turfgrass Diseases of Residential Lawns in Alabama." Home Grounds, Gardens & Home Pests Monthly Webinar Series- In-Service Training. November 4th, 2022. *30-minute oral presentation.* 16 attendees.

Strayer-Scherer, A. 2022. "Scouting and Managing Turfgrass Diseases in Alabama." Commercial Horticulture Monthly Webinar Series- May 23rd, 2022. *15-minute oral presentation.* 22 attendees.

Strayer-Scherer, A. 2021. "Ornamental and Turf Disease Update." Commercial Horticulture Team Q&A Fridays- Facebook Live. September 17th, 2021. *Presenter and Panelist.* 354 attendees.

Strayer-Scherer, A. 2021. "Common Late Season Diseases of Cotton and Peanut." Common diseases of cotton, peanut, and soybeans- Agronomic Crops Team In-service training for REAs. August 16th, 2021. *25-minute oral presentation.* 12 attendees.

Strayer-Scherer, A. 2021. "Common Diseases of Ornamentals Part 2." Commercial Horticulture Monthly Webinar Series- June 28th, 2021. *15-minute oral presentation.* 322 attendees.

Strayer-Scherer, A. 2021. "Ornamental and Turf Disease Update." Commercial Horticulture Team Q&A Fridays- Facebook Live. June 4th, 2021. *Presenter and Panelist.* 182 attendees.

Strayer-Scherer, A. 2020. "Ornamental and Turf Disease Update." Commercial Horticulture Team Q&A Fridays- Facebook Live. October 23rd, 2020. *Presenter and Panelist.* 12 attendees.

Strayer-Scherer, A. 2020. "Common Late Season Diseases of Cotton and Peanuts." Agronomic Crops Team In-service Webinar-Late Season Pest Management. August 27th, 2020. *20-minute oral presentation.* 15 attendees.

Strayer-Scherer, A. 2020. "Common Diseases of Ornamentals Part 1." Commercial Horticulture Monthly Webinar Series- July. July 27th, 2020. *15-minute oral presentation.* 32 attendees.

Strayer-Scherer, A. 2020. "Ornamental and Turf Disease Update." Commercial Horticulture Team Q&A Fridays- Facebook Live. July 17th, 2020. *Presenter and Panelist.* 13 attendees.

Regional Extension Cooperator Forums (8 Total reaching ~63 stakeholders):

Strayer-Scherer, A. 2025. "Alabama Peanut Disease Update." The 2025 Peanut Rx Meeting. December 4th, 2025. *10-mintue oral presentation.*

Strayer-Scherer, A. 2025. “2025 WGREC Peanut Field Trial Demonstration.” Tri-State Peanut Tour for Ag Industry Personnel. September 23rd, 2025. *Organizer and Presenter*. 18 Attendees.

Strayer-Scherer, A. 2024. “Alabama Peanut Disease Update.” The 2024 Peanut Rx Meeting. December 2nd, 2024. *10-minute oral presentation*.

Strayer-Scherer, A. 2024. “2024 WGREC Peanut Field Trial Demonstration.” Tri-State Peanut Tour for Ag Industry Personnel. September 23rd, 2024. *Organizer and Presenter*. 15 Attendees.

Strayer-Scherer, A. 2023. “Alabama Peanut Disease Update.” The 2023 Peanut Rx Meeting. November 29th, 2023. *10-minute oral presentation*.

Strayer-Scherer, A. 2023. “2023 WGREC Peanut Field Trial Demonstration.” Tri-State Peanut Tour for Ag Industry Personnel. September 20th, 2023. *Organizer and Presenter*. 15 Attendees.

Strayer-Scherer, A. 2022. “Alabama Peanut Disease Update.” The 2022 Peanut Rx Meeting. November 29th, 2022. *10-minute oral presentation*.

Strayer-Scherer, A. 2022. “2022 WGREC Peanut Field Trial Demonstration.” Tri-State Peanut Tour for Ag Industry Personnel. September 21st, 2022. *Organizer and Presenter*. 18 Attendees.

Strayer-Scherer, A. 2021. “Alabama Peanut Disease Update.” The 2021 Peanut Rx Meeting. December 8th, 2021. *10-minute oral presentation*.

Strayer-Scherer, A. 2021. “2021 WGREC Peanut Field Trial Demonstration.” Tri-State Peanut Tour for Ag Industry Personnel. September 29th, 2021. *Organizer and Presenter*. 20 Attendees.

Strayer-Scherer, A. 2020. “Alabama Peanut Disease Update.” The 2020 Peanut Rx Meeting. December 8th, 2020. *10-minute oral presentation*.

Strayer-Scherer, A. 2020. “2020 WGREC Peanut Field Trial Demonstration.” Tri-State Peanut Tour for Ag Industry Personnel. September 23rd, 2020. *Organizer and Presenter*. 10 Attendees.

AAES Field Days (19 Total reaching ~772 stakeholders):

Strayer-Scherer, A. 2025. “Peanut and Cotton Disease Update.” Wiregrass Research and Extension Center Annual Field Day. August 15th, 2025. *10-minute oral presentation*.

Strayer-Scherer, A. 2025. “Cotton Disease Update.” Brewton Agricultural Research Unit Field Day. August 12th, 2025. *10-minute oral presentation*.

Strayer-Scherer, A. 2025. “Peanut Disease Update.” Brewton Agricultural Research Unit Field Day. August 12th, 2025. *10-minute oral presentation*.

***Baryah, Karamjit Kaur. 2025.** “Cotton Disease Update.” Tennessee Valley Research and Extension Center. July 30th, 2025. *10-minute oral presentation*.

Strayer-Scherer, A. 2024. “Peanut and Cotton Disease Update.” Annual Wiregrass Research and Extension Center Crops Field Day 2024. August 16th, 2024. *15-minute oral presentation*.

Strayer-Scherer, A. 2024. “Peanut and Cotton Disease Update.” Brewton Agricultural Research Unit Field Day 2024. August 6th, 2024. *15-minute oral presentation*. *Organizer and Presenter*

Strayer-Scherer, A. 2024. "Peanut and Cotton Disease Update." Gulf Coast Research and Extension Center Field Day. August 2nd, 2024. *15-minute oral presentation.*

Strayer-Scherer, A. 2024. "Cotton Seedling Disease Update." Tennessee Valley Research and Extension Center Field Day. July 31st, 2024. *15-minute oral presentation.*

****Burch, K., and Strayer-Scherer, A. 2024.** "Barley OVT Disease Update." Tennessee Valley Research and Extension Center Field Day. May 14th, 2024. *10-minute oral presentation.* *Presenter and member of organizing committee.*

Strayer-Scherer, A. 2023. "Cotton Disease Update." Brewton Agricultural Research Unit Field Day 2023. September 19th, 2023. *15-minute oral presentation.* *Organizer and Presenter.* 29 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Update." Brewton Agricultural Unit Field Day 2023. September 19th, 2023. *15-minute oral presentation.* *Organizer and Presenter.* 27 attendees.

Strayer-Scherer, A. 2023. "Peanut and Cotton Disease Update." Annual Wiregrass Research and Extension Center Crops Field Day 2023. August 18th, 2023. *15-minute oral presentation.* 75 attendees.

Strayer-Scherer, A. 2023. "Peanut Disease Update." Gulf Coast Research and Extension Center Field Day. August 1st, 2023. *10-minute oral presentation.* 53 attendees.

Strayer-Scherer, A. 2023. "Cotton Disease Update." Gulf Coast Research and Extension Center Field Day. August 1st, 2023. *10-minute oral presentation.* 53 attendees.

Strayer-Scherer, A. 2023. "Cotton Seedling Disease Update." Tennessee Valley Research and Extension Center Field Day. July 27th, 2023. *10-minute oral presentation.* 55 attendees.

***Sullins, K. 2023.** "Plant Growth-Promoting Rhizobacteria as a Potential Biological Agent of *Rhizoctonia solani* in Turfgrass." Auburn Turfgrass Research Day at the Auburn Turfgrass Research Unit. July 20th, 2023. *10-minute oral presentation.*

Strayer-Scherer, A. 2023. "Auburn University Barley OVT Trials: Disease Response as Influenced by Variety Selection." Hudson Alpha Adeca Field Day- Tennessee Valley Research and Extension Center. May 19th, 2023. *15-minute oral presentation.* 28 attendees.

Strayer-Scherer, A. 2022. "Cotton Disease Management." E.V. Smith Plant Breeding Unit Field Day 2022. August 30th, 2022. *15-minute oral presentation.* *Organizer and Presenter.* 25 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management." E.V. Smith Plant Breeding Unit Field Day 2022. August 30th, 2022. *20-minute oral presentation.* *Organizer and Presenter.* 25 attendees.

***Kaur, L. 2022.** "Alternatives to Chlorothalonil for Leaf Spot Disease Management." Wiregrass Research and Extension Center Field Day 2022. August 19th, 2022. *10-minute oral presentation.* 144 attendees.

Strayer-Scherer, A. 2022. "Peanut Disease Management Update." Wiregrass Research and Extension Center Field Day 2022. August 19th, 2022. *15-minute oral presentation.* 144 attendees.

Strayer-Scherer, A. 2022. "Cotton and Peanut Disease Management Update." Gulf Coast Research and Extension Center Field Day 2022. August 4th, 2022. *15-minute oral presentation.* 40 attendees.

Strayer-Scherer, A. 2021. "Peanut and Cotton Disease and Management Update." 2021 WGREC Field Day. August 20th, 2021. *10-minute oral presentation.* 74 attendees.

Completed prior to employment at Auburn University (11 total):

Strayer-Scherer, A. 2019. "Management of Bacterial Spot of Tomato. 2019 Winter Vegetable Grower Conference and Trade Show. Asheville, NC. February 2019. *15-minute oral Presentation.*

Strayer-Scherer, A. 2018. "Diagnostics and Management of Vegetable Diseases." High School Science Students Agriculture Tour. Mountain Research Station. North Carolina State University. November 2018. *20-minute oral Presentation.*

Strayer-Scherer, A. 2018. "Systemic Acquired Resistance Inducers as Potential Alternatives to Copper-Mancozeb for Controlling Bacterial Spot of Tomato." Mountain Horticultural Crops Research and Extension Center 2018 Tomato Field. North Carolina State University. July 2018. Mills River, NC. *15-mintue oral Presentation.*

Strayer-Scherer, A. 2018. "Comparing grafted and non-grafted late blight resistant tomato hybrids for Late Blight Management and Yield Response." Mountain Horticultural Crops Research and Extension Center 2018 Tomato Field. North Carolina State University. July 2018. *15-minute oral Presentation.*

Strayer-Scherer, A. 2018. "Disease Diagnostics and Management in Vegetable Crops." North Carolina State University- 2018 Extension State Conference. July 2018. *15-minute oral Presentation. Presenter and member of organizing committee.*

Strayer-Scherer, A. 2018. "Diagnostics and Management of Vegetable Diseases." High School Science Students Agriculture Tour. Mountain Research Station. North Carolina State University. May 2018. *20-minute oral Presentation.*

Strayer-Scherer, A. 2018. Advanced Copper Composites Against Copper-Tolerant *Xanthomonas perforans* and Tomato Bacterial Spot. 2018 Winter Vegetable Grower Conference and Trade Show. February 2018. *Poster Presentation.*

Strayer-Scherer, A. 2017. "Bacterial Diseases: What are They and How Do We Manage Them?" Collaborating to Advance Teaching and Learning of Science Educators and Students Workshop. CPET and University of Florida-IFAS. June 2017. *15-minute oral Presentation. Presenter and member of organizing committee.*

Strayer-Scherer, A. 2017. "Bacterial Diseases: What are They and How Do We Manage Them?" Plant Pathology Workshop for K-12 Teachers. University of Florida-Plant Pathology Graduate Student Organization. May 2017. *15-minute oral Presentation. Presenter and member of organizing committee.*

Strayer-Scherer, A. 2016. "Use of Advanced Nanomaterials to Manage Bacterial Spot of Tomato. University of Florida's North Florida Research and Education Center and UF-IFAS's Corporate Field Day. July 2016. *15-minute oral Presentation.*

Strayer-Scherer, A. 2016. "Bacterial Diseases: What are They and How Do We Manage Them?" Plant Pathology Workshop for K-12 Teachers. University of Florida's North Florida Research and Education Center and UF-IFAS. June 2016. *15-minute oral Presentation. Presenter and member of organizing committee.*

Electronic Products: Podcast Episodes

- Alabama Crops Report Podcast. **2025.** Corn Crop Outlook with Eros Francisco and David Russell. **Hosts:** Simer Virk, S. Graham, and **A. Strayer-Scherer.** [Season 5 Episode 9.](#)

- Alabama Crops Report Podcast. **2025.** Cotton Conversation with Steve Brown. **Hosts:** Simer Virk, S. Graham, and **A. Strayer-Scherer.** [Season 5 Episode 8](#).
- Alabama Crops Report Podcast. **2025.** Disease Management in Cotton and Peanuts. **Hosts:** Simer Virk, S. Graham, and **A. Strayer-Scherer.** [Season 5 Episode 7](#).
- Alabama Crops Report Podcast. **2024.** Cotton Defoliation with Steve Brown. **Hosts:** Simer Virk, S. Graham, and **A. Strayer-Scherer.** [Season 4 Episode 2](#).
- Alabama Crops Report Podcast. **2023.** Aloha from Alabama Extension with Auburn University and University of Hawaii. **Hosts:** **A. Strayer-Scherer** and S. Graham. [Season 3 Episode 11](#).
- Alabama Crops Report Podcast. **2023.** Nutrients from Poultry Litter with Kent Stanford. **Hosts:** **A. Strayer-Scherer** and S. Graham. [Season 3 Episode 7](#).
- Alabama Crops Report Podcast. **2023.** Hessian Fly Outbreaks with Katelyn Kesheimer. **Hosts:** **A. Strayer-Scherer** and S. Graham. [Season 3 Episode 6](#).
- Alabama Crops Report Podcast. **2023.** Peanut Update with Kris Balkcom. **Hosts:** **A. Strayer-Scherer** and S. Graham. [Season 3 Episode 5](#).
- Alabama Crops Report Podcast. **2023.** 2023 Cotton Outlook with Steve Brown. **Hosts:** **A. Strayer-Scherer** and K. Kesheimer. [Season 3 Episode 2](#).
- Alabama Crops Report Podcast. **2023.** Weather Impacts on 2023 Crop Season with Eros Francisco. **Hosts:** **A. Strayer-Scherer** and K. Kesheimer. [Season 3 Episode 1](#).
- Alabama Crops Report Podcast. **2022.** Cotton Harvest with Steve Brown. **Hosts:** **A. Strayer-Scherer** and S. Graham. [Season 2 Episode 11](#).
- Alabama Crops Report Podcast. **2022.** Using Drones in Crop Production with Guilherme Morata. **Hosts:** **A. Strayer-Scherer** and K. Kesheimer. [Season 2 Episode 10](#).
- Alabama Crops Report Podcast. **2022.** Crops Roundtable with E. Sikora, S. Graham, **A. Strayer-Scherer** and K. Kesheimer. [Season 2 Episode 7](#).
- Alabama Crops Report Podcast. **2022.** Row Crop Market Update with Wendiam Sawadgo. **Hosts:** Adam Rabinowitz and **A. Strayer-Scherer.** [Season 2 Episode 4](#).
- Alabama Crops Report Podcast. **2021.** Row Crop Market Update with Wendiam Sawadogo. **Hosts:** Adam Rabinowitz and **A. Strayer-Scherer.** [Season 1 Episode 29](#).
- Alabama Crops Report Podcast. **2021.** New Grain Specialist- Eros Francisco. **Hosts:** K. Kesheimer, and **A. Strayer-Scherer.** [Season 1 Episode 26](#).
- Alabama Crops Report Podcast. **2021.** Disaster Assistance from USDA with Shnequie Bowman-Greene and Sydney Griffin. **Hosts:** Adam Rabinowitz and **A. Strayer-Scherer.** [Season 1 Episode 25](#).
- Alabama Crops Report Podcast. **2021.** Wiregrass Crop Update with Sedrick Mack. **Hosts:** S. Graham and **A. Strayer-Scherer.** [Season 1 Episode 22](#).
- Alabama Crops Report Podcast. **2021.** July Crop Update. **Hosts:** S. Graham, K. Kesheimer, and **A. Strayer-Scherer.** [Season 1 Episode 19](#).
- Alabama Crops Report Podcast. **2021.** REA Update with Andrew Sparks and John Vanderford. **Hosts:** Adam Rabinowitz and **A. Strayer-Scherer.** [Season 1 Episode 15](#).
- Alabama Crops Report Podcast. **2021.** Succession Planning for the Farm with Robert Tufts. **Hosts:** Adam Rabinowitz and **A. Strayer-Scherer.** [Season 1 Episode 14](#).
- Alabama Crops Report Podcast. **2021.** Late May Cotton Update with Steve Brown. **Hosts:** S. Graham and **A. Strayer-Scherer.** [Season 1 Episode 13](#).

- Alabama Crops Report Podcast. **2021.** Carbon Credits and the Farm with Jessica Kelton. **Hosts:** Adam Rabinowitz and **A. Strayer-Scherer.** [Season 1 Episode 12.](#)
- Alabama Crops Report Podcast. **2021.** Managing Nematodes in Row Crops with Kathy Lawrence. **Hosts:** S. Graham and **A. Strayer-Scherer.** [Season 1 Episode 11.](#)
- Alabama Crops Report Podcast. **2021.** Tales From the Farm with Annie Dee. **Hosts:** S. Graham and **A. Strayer-Scherer.** [Season 1 Episode 9.](#)
- Alabama Crops Report Podcast. **2021.** Peanut Update with Kris Balkcom. **Hosts:** Adam Rabinowitz and **A. Strayer-Scherer.** [Season 1 Episode 7.](#)
- Alabama Crops Report Podcast. **2021.** Soil Fertility with Audrey Gamble. **Hosts:** S. Graham and **A. Strayer-Scherer.** [Season 1 Episode 5.](#)
- Alabama Crops Report Podcast. **2021.** Managing insects in corn with Katelyn Kesheimer. **Hosts:** S. Graham and **A. Strayer-Scherer.** [Season 1 Episode 4.](#)
- Alabama Crops Report Podcast. **2021.** Commodity Crop Prices and Fertilizer Costs with Max Runge and Wendiam Sawadgo. **Hosts:** Adam Rabinowitz and **A. Strayer-Scherer.** [Season 1 Episode 2.](#)
- Alabama Crops Report Podcast. **2021.** Cotton Update with Steve Brown. **Hosts:** S. Graham and **A. Strayer-Scherer.** [Season 1 Episode 1.](#)

Video Presentations:

[Fungicide Application Considerations for Turfgrass Diseases](#). Commercial Horticulture Monthly 2024 Webinar Series. May 20th, 2024.

[Fungicide Application Considerations for Turfgrass Diseases](#). Commercial Horticulture Monthly 2023 Webinar Series. May 22nd, 2023.

[Scouting and Management of Turfgrass Diseases in Alabama](#). Commercial Horticulture 2022 Webinar Series. May 23rd, 2022.

Peanut Disease and Nematode Management. Alabama Peanut Producers Association- 2022 Production Seminar Series.

[Focus on Cotton- Cotton Leafroll Dwarf Virus in the U.S.](#) American Phytopathological Society Grow Plant Health Exchange- Focus on Cotton Series. April 21st, 2022.

[Southern IPM Hour: Cotton Leafroll Dwarf Virus \(CLRDV\) Sentinel Plot Working Group](#). Southern IPM Center- 2022 Southern IPM Hour Webinar Series.

[Ornamental and Turf Disease Update](#). Commercial Horticultural Q&A Facebook Friday Live. September 17th, 2021.

[Common Diseases of Ornamentals in Alabama- Part 2](#). Commercial Horticultural 2021 Webinar Series. June 28th, 2021.

[Ornamental and Turf Disease Update](#). Commercial Horticultural Q&A Facebook Friday Live. June 4th, 2021.

Peanut Disease and Nematode Management. Alabama Peanut Producers Association- 2021 Production Seminar Series.

[Cotton Leafroll Dwarf Virus Update](#). 2020 Alabama Row Crops Short Course.

[Common Diseases of Ornamentals in Alabama](#). Commercial Horticulture Monthly 2020 Webinar Series. July 27th, 2020.

News and Magazine Articles:

Interviewed for “2025 “Peanut Disease and Insect Handbook- Implementing a Proactive Approach to Peanut Disease Management.” Published in the Southeastern Peanut Farmer Magazine. April 9th, 2025.

Interviewed for “Auburn Research Looks to Boost Average Peanut Yields” by Paul Hollis. Published by Auburn University College of Agriculture Research Highlights and picked up by the News Courier. May 16th, 2024.

“New Fungicide Products.” A. Scherer and D. Han. Published in the Alabama Turf Times Magazine. Winter 2024 Issue- November 21, 2023.

“Alabama Cotton: Now Is a Good Time to Troubleshoot Problem Areas for Nematodes.” E. McGriff, A. Scherer, and Steve Brown. Cotton Shorts Newsletter Article picked up by AgFAX Media LLC. September 27th, 2022.

“Alabama Cotton, Peanuts: 5 late Season Disease Considerations.” A. Strayer-Scherer. Alabama Crops Report Newsletter Article picked up by AgFAX Media LLC. September 21st, 2022.

“Alabama Cotton: Conditions Ripe for Disease Development.” A. Scherer. Cotton Shorts Newsletter Article picked up by AgFAX Media LLC. August 19th, 2022.

Interviewed for “Weather Delay, Rot Posing Worry for Alabama Cotton Crop.” Published by Decatur Daily October 10th, 2021, and picked up by the Associated Press.

“Alabama Cotton: Weather Ripe for Disease Development, Stemphylium Leaf Spot Active” by A. Scherer and E. McGriff. Cotton Shorts Newsletter Article picked up by AgFAX Media LLC. August 19th, 2021.

Interviewed for “New to Your Spray Program” by Amanda Huber. Published in The Peanut Grower. April 2021 Issue.

Interviewed for “Root Knot and Lesion Nematodes: The Underground Culprit for Yield Loss” by Devan Hodge. Published by the Southeastern Peanut Farmer. April 2021 Issue.

Interviewed for “Research Key to Fighting Cotton Virus: Cotton Leafroll Dwarf Virus Poses Threat to US Cotton” by Matthew Wilde, Progressive Farmer Crops Editor. Published by Progressive Farmer-DTN.com. February 12th, 2021.

Interviewed for “Auburn University Row Crop Specialists Share Expertise Virtually” by Josh Woods, Auburn University- College of Agriculture. Published by Auburn University- The Newsroom. February 10th, 2021.

Interviewed for “Light Aphid Pressure Contributes to Low CLRDV in Alabama” by Clint Thompson. Published by the Southeast Agnet Radio Network. December 28th, 2020.

Newsletter and ACES/Extension Blog Articles

Strayer-Scherer, A. 2025. [Management Considerations for Barley Yellow Dwarf Virus](#). Alabama Crops Report Newsletter. November 19th, 2025.

Strayer-Scherer, A. 2025. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. September 10th, 2025.

Strayer-Scherer, A. 2025. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. August 20th, 2025.

Strayer-Scherer, A. 2025. [Peanut Disease Update](#). Alabama Crops Report Newsletter. August 19th, 2025.

Strayer-Scherer, A. 2025. [Cotton Disease Update](#). Alabama Crops Report Newsletter. August 19th, 2025.

Strayer-Scherer, A. 2025. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. July 23rd, 2025.

Strayer-Scherer, A. 2025. [Peanut Disease Update](#). Alabama Crops Report Newsletter. July 10th, 2025.

Strayer-Scherer, A. 2025. [Peanut Disease Update](#). Alabama Crops Report Newsletter. June 11th, 2025.

Strayer-Scherer, A. 2025. [Seedling Disease Update](#). Alabama Cotton Shorts Newsletter. May 21st, 2025.

Strayer-Scherer, A. 2025. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. May 16th, 2025.

Strayer-Scherer, A. 2025. [Reducing Your Risk for Early Season Cotton Diseases and Nematodes](#). Alabama Cotton Shorts Newsletter. April 25th, 2025.

Strayer-Scherer, A. 2025. [Managing Nematodes in Peanuts](#). Alabama Crops Report Newsletter. April 23rd, 2025.

Strayer-Scherer, A. 2025. [Small Grains Disease Update](#). Alabama Crops Report Newsletter. April 23rd, 2025.

Strayer-Scherer, A. 2025. [Small Grains Disease Update](#). Alabama Crops Report Newsletter. March 19th, 2025.

Strayer-Scherer, A. 2024. [Peanut and Cotton Disease Update](#). Alabama Crops Report Newsletter. August 22nd, 2024.

Strayer-Scherer, A. 2024. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. August 13th, 2024.

Strayer-Scherer, A. 2024. [Peanut and Cotton Disease Update](#). Alabama Crops Report Newsletter. July 17th, 2024.

Strayer-Scherer, A. 2024. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. July 17th, 2024.

Strayer-Scherer, A. 2024. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. June 20th, 2024.

Strayer-Scherer, A. 2024. [Peanut Fungicide Considerations and Disease Update](#). Alabama Crops Report Newsletter. June 12th, 2024.

Strayer-Scherer, A. 2023. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. September 14th, 2023.

Strayer-Scherer, A. 2023. [Cotton and Peanut Disease Update-September](#). Alabama Crops Report Newsletter. September 7th, 2023.

Strayer-Scherer, A. 2023. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. August 15th, 2023.

Strayer-Scherer, A. 2023. [Peanut Disease Update](#). Alabama Crops Report Newsletter. August 8th, 2023.

Strayer-Scherer, A. 2023. [Cotton Disease Update](#). Alabama Crops Report Newsletter. July 26th, 2023.

Strayer-Scherer, A. 2023. [Peanut Disease Update](#). Alabama Crops Report Newsletter. July 26th, 2023.

Strayer-Scherer, A. 2023. [Cotton and Peanut Disease Update-June](#). Alabama Crops Report Newsletter. June 13th, 2023.

Strayer-Scherer, A. 2023. [Cotton Disease Update-June](#). Alabama Cotton Shorts Newsletter. June 14th, 2023.

Strayer-Scherer, A. 2023. [Disease Alert: Fusarium Head Blight Spotted in Alabama Wheat](#). ACES Blog Article. April 21st, 2023.

Strayer-Scherer, A. 2023. [Small Grains Disease Update](#). Alabama Crops Report Newsletter. April 18th, 2023.

Strayer-Scherer, A. 2023. [Reducing Risks for Cotton Seedling Diseases in Alabama](#). Alabama Cotton Shorts Newsletter. April 13th, 2023.

Strayer-Scherer, A. 2023. [Managing Nematodes in Peanuts](#). Alabama Crops Report Newsletter. March 21st, 2023.

Strayer-Scherer, A. 2023. [Managing Areolate Mildew and Target Spot- Thinking Ahead for 2023](#). Alabama Cotton Shorts Newsletter. March 15th, 2023.

Strayer-Scherer, A. 2023. [Managing Nematodes in Cotton](#). Alabama Cotton Shorts Newsletter. February 16th, 2023.

McGriff, E., **Strayer-Scherer, A.**, and Brown, S. M. **2022.** [Nematode Management Update](#). Alabama Cotton Shorts Newsletter- Special Issue. September 27th, 2022.

Strayer-Scherer, A. 2022. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. September 20th, 2022.

Strayer-Scherer, A. 2022. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. September 16th, 2022.

Sikora, E., and **Strayer-Scherer, A. 2022.** [Wet Weather Creates Perfect Environment for Foliar Diseases to Thrive](#). ACES Blog Article written by Katie Nichols. August 23rd, 2022.

Strayer-Scherer, A. 2022. [Update on Cotton Diseases: Target Spot and Areolate Mildew](#). UF-IFAS Panhandle Agriculture Weekly Blog. August 19th, 2022.

Strayer-Scherer, A. 2022. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. August 17th, 2022.

Strayer-Scherer, A. 2022. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. August 9th, 2022.

Strayer-Scherer, A. 2021. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. August 31st, 2021.

Strayer-Scherer, A. 2021. [Cotton Disease Update](#). Alabama Cotton Shorts Newsletter. August 14th, 2021.

Strayer-Scherer, A. 2021. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. August 3rd, 2021.

Strayer-Scherer, A. 2021. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. July 20th, 2021.

Strayer-Scherer, A. 2021. [Cotton, Peanut, and Wheat Disease Update](#). Alabama Crops Report Newsletter. May 25th, 2021.

Strayer-Scherer, A. 2021. [Cotton Leafroll Dwarf Virus: 2020 Sentinel Plot Update](#). The IPM Communicator Newsletter. February 26th, 2021.

Strayer-Scherer, A. 2021. [Cotton Leafroll Dwarf Virus: 2020 Sentinel Plot Update](#). Alabama Crops Report Newsletter. February 16th, 2021.

Strayer-Scherer, A. 2021. [Cotton Leafroll Dwarf Virus: 2020 Sentinel Plot Update](#). ACES Blog Article. February 12th, 2021.

Strayer-Scherer, A. 2020. [Cotton and Peanut Disease Update](#). Alabama Cooperative Extension System. Alabama Crops Report Newsletter. September 15th, 2020.

Strayer-Scherer, A. 2020. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. Alabama Cooperative Extension System. September 1st, 2020.

Strayer-Scherer, A. and Hagan, A. 2020. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. Alabama Cooperative Extension System. August 25th, 2020.

Strayer-Scherer, A. 2020. [Cotton and Peanut Disease Update](#). Alabama Crops Report Newsletter. Alabama Cooperative Extension System. August 11th, 2020.

Strayer-Scherer, A., Hagan, A., and Conner, K. 2020. [CLRDV Update](#). Alabama Cotton Shorts Newsletter. Alabama Cooperative Extension System. June 6th, 2020.

Strayer-Scherer, A., Balkcom, K., and Hagan, A. 2020. [Peanut Production Update](#). Alabama Crops Report Newsletter. Alabama Cooperative Extension System. June 2nd, 2020.

Strayer-Scherer, A., Balkcom, K., and Hagan, A. 2020. [Peanut Production Update](#). IPM Communicator Newsletter. Alabama Cooperative Extension System. May 29th, 2020.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-October 12th, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-September 28th, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-August 31st, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-August 3rd, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-August 3rd, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-July 20th, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-July 6th, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-June 22nd, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-June 8th, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-May 25th, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-May 11th, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-April 27th, 2018. North Carolina State University Extension- Pest News.

Strayer-Scherer, A. and Meadows, I. 2018. Vegetable Production Update-April 11th, 2018. North Carolina State University Extension- Pest News.

Memberships, Associations, and Positions

2023-2025 Alabama Department of Agriculture Pesticide Review Committee

2023-Present National Cotton Council Nematode and Seedling Disease Committee- Beltwide Cotton Conferences

<u>2022-Present</u>	Faculty Advisory for the F.S. Arant Entomology and Plant Pathology Club
<u>2021-Present</u>	Alabama Crop Management Association (ACMA)
<u>2021-Present</u>	Alabama Golf Course Superintendents Association (AGSCA)- Educational Member
<u>2021-Present</u>	Alabama Association of Agricultural County Agents & Specialists (AACAS)
<u>2020-Present</u>	Cotton Disease Council- Cotton Beltwide Conferences, 2020-Present Chair, 2023-2025 Co-Chair, 2021-2023
<u>2020-Present</u>	American Phytopathological Society Plant Disease Management Reports- Turfgrass Section Editor
<u>2020-Present</u>	American Peanut Research and Education Society (APRES)
<u>2019-Present</u>	Integrated Plant Disease Management Committee American Phytopathological Society (APS)
<u>2020-Present</u>	American Peanut Research and Education Society Member Site Selection Committee, 2023-2025
<u>2019- Present</u>	Peanut Rx Working Group Member
<u>10/2019-Present</u>	Plant Disease Management Report Turfgrass Section Editor.
<u>08/2013-Present</u>	Southern Division American Phytopathological Society (APS) Member
<u>08/2013-Present</u>	American Phytopathological Society (APS) Member
<u>05/2015</u>	F. A. Wood Memorial Award, Travel Award
<u>03/2015-12/2017</u>	Alpha Epsilon Lambda (AEL) Graduate Honor Society Member
<u>08/2014-12/2017</u>	University of Florida Graduate School Fellowship (GSF)
<u>08/2013-08/2014</u>	President of Plant Pathology Graduate Student Organization. University of Florida.
<u>08/2013-08/2014</u>	Photographer for University of Florida's Department of Plant Pathology Newsletter
<u>08/2013</u>	Awarded UF Graduate Student Council (GSC) Travel Grant
<u>08/2012-08/2013</u>	Secretary of Plant Pathology Graduate Student Organization. University of Florida.
<u>08/2012-12/2017</u>	Plant Pathology Graduate Student Organization Member

Actual Courses Contributed To

Course/Semester	Credits	Class hrs./wk.	Enrollment
PLPA 3000 General Plant Pathology			
Fall 2022	4	3*	15
PLPA 7900 Directed Studies in Plant Pathology			
Fall 2022	3	3	1**
Summer 2023	3	3	1
Guest Lectures	Number of Lectures		
PLPA 6330 Integrated Pest Management- Spring 2020, Spring 2022, and Spring 2025	3		
CSES 3960- Special Problems- AU Crop Judging Team- Fall 2020, Fall 2021, Fall 2022, Fall 2023, Fall 2024, and Fall 2025	4		

