

Serkan Aglasan

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PROFESSIONAL EXPERIENCE

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| Assistant Professor (Tenure-Track)
Department of Agricultural and Applied Economics
University of Arizona, Tucson, AZ | Aug. 2023–Present |
| Assistant Professor (Tenure-Track)
Mehmet Akif Ersoy University, Turkey | Aug. 2021–2023 |
| Postdoctoral Research Scholar
North Carolina State University | Aug. 2020–Aug. 2021 |

EDUCATION

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|---|-----------|
| North Carolina State University
Ph.D. in Economics
Advisor: Dr. Barry K. Goodwin | 2014–2020 |
| The University of Illinois at Urbana-Champaign
M.S. in Economics | 2011–2013 |
| Uludag University, Bursa/Turkey
B.S. in Econometrics, <i>summa cum laude</i> | 2005–2009 |

FIELDS OF INTEREST

Agricultural Economics (Production, Policy, Price), Sustainable Agriculture, Climate Change, Risk Management / Crop Insurance, Applied Econometrics

PUBLISHED PAPERS

17. **Aglasan, S.**, Rejesus, R. M., Bowman, M., & Goodwin, B. K. (Forthcoming). “Do Cover Crops Reduce Downside Production Risk?” *Agricultural Economics*.
16. Rejesus, R. M., **Aglasan, S.**, & Connor, L. (2025). “Economic and Policy Drivers of Climate-Smart Soil Health Practices in the United States.” *Annual Review of Resource Economics*, 17.
15. Won, S., Rejesus, R. M., Poncet, A. M., **Aglasan, S.**, Thapa, R., Tulley, K. L., ... & Mirsky, S. B. (2024). “Understanding the yield impacts of alternative cover crop families and mixtures: Evidence from side-by-side plot-level panel data.” *Agrosystems, Geosciences & Environment*, 7(4), e70012.
14. Zhang, Y., Che, Y., Rejesus, R. M., Cavigelli, M. A., White, K. E., **Aglasan, S.**, ... & Mirsky, S. B. (2024). “Medium-term economic impacts of cover crop adoption in Maryland.” *Soil Security*, 17, 100170.
13. Lee, D., Chen, L., Rejesus, R. M., **Aglasan, S.**, Dinterman, R., & Connor, L. (2024). “The effect of crop insurance on agricultural loan delinquencies.” *Journal of the Agricultural and Applied Economics Association*, 3(1), 256–274.

12. **Aglasan, S.**, Rejesus, R. M., Hagen, S., & Salas, W. (2024). "Cover crops, crop insurance losses, and resilience to extreme weather events." *American Journal of Agricultural Economics*, 106(4), 1410–1434.
11. Won, S., Rejesus, R. M., Goodwin, B. K., & **Aglasan, S.** (2024). "Understanding the effect of cover crop use on prevented planting losses." *American Journal of Agricultural Economics*, 106, 659–683.
10. Che, Y., Rejesus, R. M., Cavigelli, M. A., White, K. E., **Aglasan, S.**, Knight, L. G., Curt Dell, C., Hollinger, D., & Lane, E. D. (2023). "Long-term economic impacts of no-till adoption." *Soil Security*, 13, 100103.
9. Cooray, A., Rejesus, R. M., **Aglasan, S.**, Li, Z., & Woodley, A. (2023). "The impact of conservation tillage intensities on mean yields and yield risk." *Soil Security*, 12, 100096.
8. Park, B., Rejesus, R. M., **Aglasan, S.**, Che, Y., Hagen, S. C., & Salas, W. (2023). "Payments from agricultural conservation programs and cover crop adoption." *Applied Economic Perspectives and Policy*, 45(2), 984–1007.
7. Chen, L., Rejesus, R. M., **Aglasan, S.**, Hagen, S., & Salas, W. (2023). "The impact of no-till on agricultural land values in the United States Midwest." *American Journal of Agricultural Economics*, 105(3), 760–783.
6. **Aglasan, S.**, Goodwin, B. K., & Rejesus, R. M. (2023). "Risk effects of GM corn: Evidence from crop insurance outcomes and high-dimensional methods." *Agricultural Economics*, 54(1), 110–126.
5. Chen, L., Rejesus, R. M., **Aglasan, S.**, Hagen, S. C., & Salas, W. (2022). "The impact of cover crops on soil erosion in the US Midwest." *Journal of Environmental Management*, 324, 116168.
4. Rejesus, R. M., **Aglasan, S.**, Knight, L. G., Cavigelli, M. A., Dell, C. J., Lane, E. D., & Hollinger, D. Y. (2021). "Economic dimensions of soil health practices that sequester carbon: Promising research directions." *Journal of Soil and Water Conservation*, 76(3), 55A–60A.
3. Wang, R., Rejesus, R. M., & **Aglasan, S.** (2021). "Warming temperatures, yield risk and crop insurance participation." *European Review of Agricultural Economics*, 48(5), 1109–1131.
2. Wang, R., Rejesus, R. M., Tack, J. B., & **Aglasan, S.** (2021). "Do higher temperatures influence how yields respond to increasing planting density?" *Agricultural and Resource Economics Review*, 50(2), 273–295.
1. Carrière, Y., Brown, Z., **Aglasan, S.**, Dutilleul, P., Carroll, M., Head, G., ... & Carroll, S. P. (2020). "Crop rotation mitigates impacts of corn rootworm resistance to transgenic Bt corn." *Proceedings of the National Academy of Sciences*, 117(31), 18385–18392.

TEACHING (SINCE 2016)

University of Arizona

Fall 2023, Fall 2024

Intermediate Production and Consumption Analysis (undergraduate),
Production Economics (graduate)

Mehmet Akif Ersoy University, Turkey

Fall 2021, Spring 2023

Microeconomics, Macroeconomics, Econometrics (undergraduate)

Evaluation: 4.9/5.0, 4.9/5, 4.8/5, respectively

North Carolina State University

2016, 2017, 2018

Fundamental of Economics (undergraduate)

ADVISING

University of Arizona

Chaired

Farzin Mumtahena (current)

Andrew Soderberg (2025, Risk Analyst at Arizona Public Service - APS)

Keshav Bushal (2024, PhD in Economics, U of A)

Committees

Amir Khusru (2025)

Reece Branham (2025)

Noelle Bell (2024)

Sravani Sandhya Chokka (2024)

Pavan Kalyan Thodeti (2024)

GRANT ACTIVITIES

Co-Investigator

The United States Department of Agriculture (USDA), Office of Partnerships and Public Engagement (OPPE). *“Enhancing USDA Program Participation and Economic Vitality Through Multi-Pronged Strategies in AZ and NM.”* (\$594,301; PI: Russell Tronstad, University of Arizona; budgeted for Serkan Aglasan: summer salary in 2024). Timeline: 2021 – 2025.

The United States Department of Agriculture (USDA), Specialty Crop Research Initiative (SCRI). *“Developing Sustainable and Economical Tools for Managing Fusarium Wilt of Lettuce”* (Co-PIs: Stephanie Slinski and Joseph Blankinship, University of Arizona; Serkan Aglasan, Co-I among project collaborators). Timeline: January 1, 2025 – August 31, 2030. Funding request: \$5,000,000; budgeted for Serkan Aglasan: \$414,032. *(Submitted on September 19, 2025)*

PROFESSIONAL SERVICE

Referee (alphabetical): Agribusiness, American Journal of Agricultural Economics (*AJAE*), Applied Economic Perspectives and Policy (*AEPP*), Agricultural Economics (*IAAE*), European Review of Agricultural Economics (*ERAE*), Food Policy, Journal of Agricultural and Applied Economics (*JAAE*), Journal of the Agricultural and Applied Economics Association (*JAAEA*), Journal of Agricultural and Resource Economics (*JARE*), PLOS ONE, Scientific Reports

HONORS AND AWARDS

Chair: Agricultural and Applied Economic Association (AAEA)- Applied Risk Analysis (ARA) Section	2025
Editorial Council, Journal of Agricultural and Resource Economics (JARE)	2025–2028
Best Paper Award in the Ag Finance & Management Section of AAEA	2025
Award for Best Graduate Student Paper: Applied Risk Analysis Section of the AAEA	2020
Graduate Scholarship, NCSU	2015–2020
Scholarship for graduate studies from the Ministry of National Education (Turkey)	2011–2015
TUBITAK/Turkey Educational Support Scholarship	2009

SEMINAR PRESENTATIONS

Landscape Complexity, Crop Insurance Losses, and Resilience to Extreme Weather Events. *Selected Presentation; AAEA Annual Meeting, Washington, DC, July 2023*

The Impact of Conservation Tillage Intensities on Mean Yields and Yield Risk. *Track Session-Applied Risk Analysis Section; AAEA Annual Meeting, Washington, DC, July 2023*

The Effect of Crop Insurance on Agricultural Loan Delinquencies. *Track Session-Applied Risk Analysis Section; AAEA Annual Meeting, Washington, DC, July 2023*

Do Reduced Tillage Practices Decrease Weather Related Losses and Production Risk? *Paper Presentation for SCC-76 2023 Annual Meeting, Kansas City, MO, March 16-18, 2023*

Do Cover Crops Reduce Production Risk? *Paper Presentation for AAEA Annual Meeting, Anaheim, CA, August 2022*

The Impact of No-Till Production on Agricultural Land Values in the US Midwest. *Paper Presentation for AAEA Annual Meeting, Anaheim, CA, August 2022*

Understanding the Effect of Cover Crop Use on Prevented Planting Losses. *SCC-76/NC-1177 Annual Meeting, April 2022*

An Analysis of Crop Insurance Losses, Cover Crops, and Weather in US Crop Production. *Paper Presentation for AAEA & WAEA Joint Annual Meeting in Austin, TX, August 2021*

Effect of Crop Insurance Participation on Farm Bankruptcies and Loan Delinquencies *Paper Presentation for AAEA & WAEA Joint Annual Meeting in Austin, TX, August 2021*

Cover Crop Adoption Effects on Weather Related Production Losses and Risk. *Paper Presentation for SCC-76 Virtual Meeting, 2021*

Cross-hedging with Agricultural Commodities: A Copula-GARCH Approach. *Paper Presentation for AAEA & WAEA Joint Annual Meeting in Austin, TX, August 2021*

Genetically Modified Rootworm-Resistant Corn, Risk, and Weather: Evidence from High Dimensional Methods. *Paper Presentation for AAEA Virtual Meeting, August 2020*

The Effects of Genetically Modified Corn Adoption on Yield Risk and Drought Sensitivity in the Central Corn Belt: An Analysis of Crop Insurance Performance. *Paper Presentation for AAEA Annual Meeting in Atlanta, GA, July 2019*

Does Higher Planting Density Increase the Drought Sensitivity and Yield Risk of Genetically Modified Corn Seed? *Poster Presentation for AAEA Annual Meeting in Atlanta, GA, July 2019*

GM Corn Adoption Effects on Crop Insurance Performance and Corn Yields. *Paper Presentation for Southern Economic Association, Washington DC, November 2018*

Margin Protection for Corn and Soybeans: A Vine Copula Approach. *Paper Presentation for NC-1177 Multi-state Research Project on Agricultural and Rural Finance Markets in Transition Annual Meeting Program, Federal Reserve Bank of Minneapolis, Minneapolis, Minnesota, October 2017*

Bioeconomic Feedbacks in Microeconomic Models of Pest Control Decisions: An application to Largescale Adoption of Bt Corn in the U.S. *Paper Presentation for Camp Resources XXIV Conference, Wrightsville Beach, NC, August 2017*