

STEPHANIE KARHOFF, PH.D.

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A. EDUCATION/TRAINING

Institution	Degree	Year (S)	Field of Study
The Ohio State University	B.S.	2014	Crop Science
The Ohio State University	Ph.D.	2019	Translational Plant Sciences

B. PROFESSIONAL APPOINTMENTS

<u>Duration</u>	<u>Position</u>	<u>Affiliation</u>
2022- Present	Assistant Professor & Field Specialist, Agronomic Systems	Department of Extension, The Ohio State University
2019-2022	Extension Educator, Agriculture & Natural Resources	Department of Extension, The Ohio State University

C. RESEARCH & EXTENSION FOCUS

Integrated pest management of agronomic crops; nutrient management; development of agronomic best management practices; on-farm research.

Conduct applied research applicable to corn, soybean, wheat, and forage producers. Work directly with agricultural producers, associated support industries and Ohio State University Extension staff on agronomic management and cropping systems. Develop outreach materials for these audiences.

A. PROFESSIONAL ACTIVITIES

- Member (2022-Present), Certified Crop Advisor, American Society of Agronomy
- Co-Leader (2022-Present), OSU Extension Agronomic Crops Team
- Member (2019-2022), Conservation Tillage Conference Board
- Member (2019-2022), Ohio Joint Council of Extension Professionals
- Member (2019-2022), National Association of Agricultural Agents

HONORS AND AWARDS

- National Association of County Agricultural Agents (NACAA) - National 1st Place in Applied Research Poster Category 2022
- National Association of County Agricultural Agents (NACAA) - National 3rd Place in Applied Research Poster Category 2021

B. PUBLICATIONS - Peer-reviewed publications

1. Karhoff, S. C. Vargas-Garcia, S. Lee, M.A. Rouf Mian, M.A. Graham, A.E. Dorrance, & L.K. McHale. 2022. Identification of Candidate Genes for a Major Quantitative Disease

Resistance Locus From Soybean PI 427105B for Resistance to *Phytophthora sojae*. *Frontiers in Plant Science*, 13:893652. doi: 10.3389/fpls.2022.893652

2. Karhoff, S., S. Lee, M.A. Rouf Mian, T.I. Ralston, T.L. Niblack, A.E. Dorrance, & L.K. McHale. 2019. Phenotypic Characterization of a Major Quantitative Disease Resistance Locus for Partial Resistance to *Phytophthora sojae*. *Crop Science*, 59, 968-980. doi: 10.2135/cropsci2018.08.0514

C. PUBLICATIONS - Extension publications

1. Karhoff, S. and C. Zoller. (2021). 2021 Fall Soybean Weed Survey Results. Ohio's Country Journal.
2. Arnold, A., G. Arnold, M. Badertscher, E.M. Hawkins, et al. (2021). 2020 eFields Report. The Ohio State University Extension, Columbus, Ohio. 258pp.
3. Lindsey, L. and S. Karhoff. (2020). Rhizobia Inoculant Following the 2019 Season. C.O.R.N. Newsletter. 2020-05.
4. Arnold, G., J. Barker, B. Beam, E.M. Hawkins, et al. (2020). 2019 eFields Report. The Ohio State University Extension, Columbus, Ohio. 218pp.
5. Karhoff, S. Don't Leave Mycorrhizae Stranded in your Prevented Planting Acres. (2019). C.O.R.N. Newsletter. 2019-33.