

EILEEN J. KLADIVKO-- BIOGRAPHICAL SKETCH

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<u>Education:</u>	B.S.	Environmental Science	Purdue University	1975
	M.S.	Agronomy	Purdue University	1977
	Ph.D.	Soil Science	University of Wisconsin	1982

Professional Experience:

1994-present	Professor, Agronomy Dept., Purdue University
2017	Visiting Scientist, USDA-ARS National Laboratory for Agriculture and Environment, Ames, Iowa
2003	Visiting Scientist, USDA-ARS National Soil Tilth Lab, Ames, Iowa
2003	Visiting Scientist, CSIRO Land and Water, Canberra, Australia
1995-1996	Visiting Scientist, Agricultural University of Krakow, Poland; Warsaw Agricultural University, Poland; Agricultural University of Godollo, Hungary; and Agricultural University of Poznan, Poland
1988-1994	Associate Professor, Agronomy Dept., Purdue University
1988-1989	Visiting Scientist, Dept. of Soil and Environmental Sciences, Univ. of California-Riverside
1982-1988	Assistant Professor, Agronomy Dept., Purdue University
1978-1982	Graduate Research Assistant, Soil Science Dept., Univ. of Wisconsin-Madison
1977-1978	Visiting Research Scientist, Institute for Soil Biochemistry, Braunschweig, Federal Republic of Germany (von Humboldt Scholar)
1977	Research Associate, Agronomy Dept., Purdue University
1975-1977	NSF Graduate Fellow, Agronomy Dept., Purdue University

Individual Honors and Awards:

- 2018 No-Till Innovator Award: Research and Education. Awarded by No-Till Farmer at the National No-till Conference January 10, 2019 in Indianapolis, IN.
- S.H. Phillips Distinguished Lecture in No-Till Agriculture, University of Kentucky. "Cover crops, soil health, and no-till: Challenges and opportunities". November 2017
- Fellow, American Society of Agronomy, awarded 2019
- Fellow, Soil Science Society of America, awarded in 2003
- ESCOP/ACOP Fellow, 1993-94 (one of 75 faculty from Schools of Agriculture nationwide, to participate in Leadership Development Program)
- Alexander von Humboldt Scholarship for Outstanding M.S. Research.
- NSF Graduate Fellowship, 1975

Team Awards: (as member of team that received award)

- Conservation Cropping Systems Initiative (CCSI) won No-till Innovator Award in the Organizations category, at National No-till meeting, Indianapolis, January 2016
- Midwest Cover Crops Council (MCCC) won No-till Innovator Award in the Organizations category, at National No-till meeting, Indianapolis, January 2013
- Midwest Cover Crops Council (MCCC) "Midwest Cover Crops Field Guide" was awarded the Gold Award (highest level) for technical publications

Dr. Eileen J. Kladviko is Professor of Agronomy at Purdue University, where she teaches and does research and extension in soil physics, soil health, and soil management. Her overall research focus has been to identify soil management systems that improve environmental quality and promote agricultural sustainability. Specific research areas have included the impacts of tile drainage on crop yields and nitrate losses to surface waters; the interactions of earthworms, soil management, and soil physical properties; conservation tillage and cover crops for soil quality improvement; and preferential flow of chemicals through soils. She has served on peer-review panels for national or regional grants programs. She has served as Chair of the Soil and Water Management Division of the Soil Science Society of America. She is a Fellow of the Soil Science Society of America and the American Society of Agronomy.

Synergistic Activities:

Co-founder of the Midwest Cover Crops Council (www.mccc.msu.edu), and active member of the Executive Committee. Responsibilities have included helping lead the development of a web-based cover crop selector tool, leading the development of the cover crop field guide (1st and 2nd editions), hosting two annual meetings (2008, 2012), assisting with strategic plan development, and other duties associated with leading this diverse group including farmers, Extension, researchers, NRCS, seed industry, and NGOs.

Purdue representative and active participant in the Indiana Conservation Cropping Systems Initiative (<http://ccsin.iaswcd.org/>). This initiative is part of the work of the Indiana Conservation Partnership (ICP), which includes Purdue, NRCS, IASWCD, and ISDA, to educate farmers, conservation agency staff, and crop advisors about no-till, cover crops, and nutrient management for these systems. Dr. Kladviko is on the leadership team of this initiative as well as actively doing outreach and research.

She also serves or has served on the leadership team of three large, multi-state projects. The Corn Systems Coordinated Agricultural Project (CSCAP), led by Iowa State, aimed to improve the resilience of corn-based cropping systems to climate stresses, and Dr. Kladviko co-led the field measurements portion of the project (<http://www.sustainablecorn.org/>) from 2010-2017. The Transforming Drainage project, led by Purdue University, aimed to redesign agricultural drainage systems to better optimize drainage, water reuse, and water quality in the Midwestern landscape (<https://transformingdrainage.org/>), and Dr. Kladviko served on the leadership team. Dr. Kladviko is also serving on the leadership team of the new Sustainable Agricultural Systems CAP on cover crops, led by Drs. Chris Reberg-Horton and Steven Mirsky, to conduct research and improve extension outreach and education across much of the country.

Dr. Kladviko currently serves on the State Technical Committee for the Natural Resources Conservation Service (NRCS) in Indiana. She is an active participant in the North-Central Regional Committee on Drainage and Water Quality (NCERA-217) and the Conservation Drainage Network.

Selected Research Publications:

- Kladviko, E.J., L. Holscher, J. Boyle-Warner, B. Fisher, J.D. Rorick, and S.M. Zuber. 2019. State-wide soil health programs for education and on-farm assessment: Lessons learned. *Journal of Soil and Water Conservation* 74(1):12A-17A, doi:10.2489/jswc.74.1.12A
- Kladviko, E.J. 2020. Cover crops: Progress and outlook. Pp. 293-302 in J.A. Delgado, C.J. Gantzer, and G.F. Sassenrath, eds. *Soil and Water Conservation: A Celebration of 75 Years*, Soil and Water Conservation Society, Ankeny, IA.
https://www.swcs.org/static/media/cms/75th_Book_Chapter_27_B783BAE5B0F68.pdf
- Kladviko, E.J., and L.C. Bowling. 2021. Long-term impacts of drain spacing, crop management, and weather on nitrate leaching to subsurface drains. *J. Environ. Qual.*50:627-638.
<https://doi.org/10.1002/jeq2.20215>

Selected Extension Publications:

- Zuber, S. and E. Kladviko. 2018. How to understand and interpret soil health tests. AY-366-W.
https://mdc.itap.purdue.edu/item.asp?Item_Number=AY-366-W