

C.V. DeAnn Ricks Presley

PROFESSIONAL PREPARATION

Iowa State University, Agronomy, B.S. 1999
Kansas State University, Agronomy, M.S. 2002
Kansas State University, Agronomy, Ph.D. 2007

APPOINTMENTS

2019-present Professor, Department of Agronomy, Kansas State Univ.
2013-2019 Associate Professor, Department of Agronomy, Kansas State Univ.
2007-2013 Assistant Professor, Department of Agronomy, Kansas State Univ.
2000-2007 Graduate Research Assistant, Department of Agronomy, Kansas State Univ.

CERTIFICATIONS

Certified Professional of the American Registry of Certified Professionals in Agronomy Crops and Soils (ARCPACS), Soil Scientist (CPSS #57054).

SYNERGISTIC ACTIVITIES

Environmental Soil Science Extension, Teaching, and Research Program:

- Integrated extension and research for agricultural professionals and producers about soil and water conservation, soil and residue management, and improving soil condition through demonstrations of principles and applied research on cropland.
- Education for non-agricultural land managers about soil properties, conservation, management and water movement through soils in urban and suburban areas, and on disturbed lands such as landfills and construction sites.
- Education for youth from both urban and rural backgrounds about soil conservation and mana
- Teach university classes on Soil Genesis and Classification, Soil Mineralogy, and Soil Morphology
- Total extension contacts since May 2007: 947 talks or one-on-one assistance given to 29,325 people

REFERREED JOURNAL PUBLICATIONS (29)

(*Graduate or **Undergraduate student advised by Presley)

Young, R.A., J.K. Turk, N.A. Jelinski, A.D. Anderson, K.M. Clark, C.J. Moorberg, K.Osterloh, and D. Presley. Cognitive and affective outcomes of intercollegiate collaboration at a soil judging competition (NSE-2022-10-0042-ORA) Accepted, in press.

Lancaster, P.A., D. Presley, W. Fick, D. Pendell, A. Ahlers, A. Ricketts, and M. Tang. 2022. Net conversion of human-edible vitamins and minerals in the US Southern Great Plains beef production system. *Animals*. DOI: 10.3390/ani12172170

Tatarko, J., D. Presley, and K. Mankin. 2022. Wind erosion potential from stover harvest in the Central Plains: Measurements and simulations. *Soil Tillage Res.*
<https://doi.org/10.1016/j.still.2022.105486>

Davis*, C., D. Presley, C. Rivard, J. Griffin, and P. Tomlinson. Conservation systems influence on soil properties in pumpkin production. 2022. *Soil Science Society of America Journal*.
<https://doi.org/10.1002/saj2.20365>

Owen, Rachel, Amber Anderson, Ammar Bhandari, Kerry Clark, Morgan Davis, Ashlee Dere, Nicolas Jelinski, Colby Moorberg, Kristopher Osterloh, DeAnn Presley, Judy Turk, and Rebecca Young. 2021. Evaluating student attitudes and learning at remote collegiate soil judging events. *Natural Sciences Education*. <https://doi.org/10.1002/nse2.20065>

- Gardner, G, G. Sampson, and D. Presley. 2021. Irrigator perceptions and the value of groundwater quality in the High Plains Aquifer. *J. Soil and Water Conservation*. 76:329-339. doi:10.2489/jswc.2021.00118
- Gaudfrin, F., E. Santos, D. Presley, and M.J. Berg. 2020. Time-resolved imaging of settling mineral dust aerosols with digital holography. *OSA Continuum*. <https://doi.org/10.1364/OSAC.404104>
- Alghamdi, A. *, D.R. Presley, M.B. Kirkham, and G. Hettiarachchi. 2020. Efficacy of Amendments to Improve Soil Physical Properties at an Abandoned Lead and Zinc Mine. *Agrosystems, Geosciences, & Env.* <https://doi.org/10.1002/agg2.20032>
- Farney, J.K., G.F. Sassenrath, C. Davis*, and D. Presley. 2018. Composition, forage production, and costs are variable in three-way cover crop mixes as fall forage. *Crop, Forage, and Turfgrass Management*. doi:10.2134/cftm2018.03.0020
- Presley, D., Y. He*, and P. Tomlinson. 2018. Soil Health and Yields on Non-Sodic Soils Amended with Flue Gas Desulfurization Gypsum. *Crop, Forage, and Turfgrass Management*. doi: 10.2134/cftm2018.01.0001
- Farney, J.K., G.F. Sassenrath, C.J. Davis*, and D. Presley. 2018. Forage Mass Production, Forage Nutritive Value, and Cost Comparisons of Three-Way Cover Crop Mixes. *Crop, Forage, and Turfgrass Management*. doi:10.2134/cftm2017.11.0081
- He, Y. *, D.R. Presley, J. Tatarko, and H. Blanco-Canqui. 2017. Crop residue harvest impacts wind erodibility and simulated soil loss in the Central Great Plains. *Global Change Biology Bioenergy*. doi: 10.1111/gcbb.12483
- He, Y. *, D. Presley, and J. Tatarko. 2017. Liquid N and S fertilizer solutions effects on the mass, chemical, and shear strength properties of winter wheat (*Triticum aestivum*) residue. *Trans. Am. Soc. Ag. Eng.* 60: 671-682.
- Presley, D. and F.T. Bugarin. 2016. Morphology, provenance, and decomposition of a 19th century hybrid dugout and sod house in Nicodemus, Kansas. *Transactions of the Kansas Academy of Science*. 119:381-393.
- Platt, J.**, D. Presley, P. Tomlinson, J. Holman, M. Busch-Hilburn** and Y. He*. 2015. Soil Erodibility, Phosphorous, and Microbial Biomass within a Switchgrass Stand. *Trans. Kansas Acad. Sci.* 118:113-118.
- Busch, M.**, and D.R. Presley. 2014. Cedar afforestation of prairie alters soil properties on a decadal time scale. *Soil Horizons*. doi:10.2136/sh13-05-0015
- Hartley, P.E., D.R. Presley, M.D. Ransom, G.M. Hettiarachchi, and L.T. West. 2014. Vertisols and vertic properties of soils of the Cherokee Prairies of Kansas. *Soil Sci. Soc. Am. J.* 78:556-566.
- Harms, A.M.R.* , D.R. Presley, G.M. Hettiarachchi, S. Martin, and S.J. Thien. 2014. Harmony Park: A decision case on urban gardening. *Natural Sciences Education*. 43:33-41.
- Attanayake, C.P., G.M. Hettiarachchi, A. Harms*, D.R. Presley, S. Martin, and G.M. Pierzynski. 2014. Field Evaluations on Soil Plant Transfer of Lead from an Urban Garden Soil. *J. Env. Qual.* 43:475-487.
- Kenney, I*, H, Blanco-Canqui, D.R. Presley, C.W. Rice, K. Janssen, and B. Olson. 2013. Soil and crop response to stover removal from rainfed and irrigated corn. *Global Change Biology Bioenergy*. doi: 10.1111/gcbb.12128
- Kaufman, R.C., J. D. Wilson, S. R. Bean, D. R. Presley, H. Blanco-Canqui, and M. Mikha. 2013. Effect of Nitrogen Fertilization and Cover Cropping Systems on Sorghum Grain Characteristics *Journal of Agricultural and Food Chemistry*. 61:5715-5719.
- Harms, A.M.R.* , D.R. Presley, G.M. Hettiarachchi, and S.J. Thien. 2013. Assessing the needs of urban gardeners and farmers on the subject of soil contamination. *Journal of Extension* [online]. Volume 51 // Number 1 // 1FEA10.
- Presley, D.R., A.J. Sindelar, M.E. Buckley, and D. Mengel. 2012. Long-term nitrogen and tillage effects on soil physical properties under continuous grain sorghum. *Agron. J.* 104:749-755.

- Blanco-Canqui, H., D.R. Presley, and M.M. Claassen. 2012. Summer Cover Crops Fix Nitrogen, Increase Crop Yield and Improve Soil-Crop Relationships. *Agron. J.* 104: 1: 137-147.
- Blanco-Canqui, H., M.M. Mikha, D.R. Presley, and M.M. Claassen. 2011. Addition of cover crops enhances no-till potential for improving soil physical properties. *Soil Sci. Soc. Am. J.* 75:1471-1482.
- Presley, D.R., M.D. Ransom, W.A. Wehmueller, and W. Tuttle. 2011. Sodium accumulation in sparsely vegetated areas of native grassland in Kansas: A potential need for a paranatric diagnostic horizon. *Soil Survey Horizons.* 51:95–101.
- Blanco-Canqui, H., R.J. Stephenson, N.O. Nelson, and D.R. Presley. 2009. Wheat and sorghum residue removal for expanded uses increases sediment and nutrient loss in runoff. *J. Environ. Qual.* 38:2365-2372.
- Presley, D.R., P.E. Hartley, and M.D. Ransom. 2009. Mineralogy and morphological properties of buried polygenetic paleosols formed in late Quaternary sediments on upland landscapes of the Central Plains, USA. *Geoderma* 154:508–517.
- Presley, D. R., M. D. Ransom, G. J. Kluitenberg, and P. R. Finnell. 2004. Effects of thirty years of irrigation on the genesis and morphology of two semiarid soils in Kansas. *Soil Sci. Soc. Am. J.* 68:1916-1926.

PEER-REVIEWED BOOK CHAPTERS (6)

- Arriaga, F.J. D.R. Presley, and B. Lowery. 2020. The role of soil physics as a discipline on soil and water conservation during the past 75 years. In: *Soil and Water Conservation: A celebration of 75 years*, Eds. J.A. Delgado, C.J. Gantzer, and G.F. Sassenrath. Soil and Water Conservation Society, Ankeny, IA.
- Alghamdi, A., M.B. Kirkham, D.R. Presley, G. Hettiarachchi, and L. Murray. 2017. Rehabilitation of an abandoned mine site with biosolids. In: *Spoil to Soil: Mine Site Rehabilitation and Revegetation*. Eds. N.S. Bolan, M.B. Kirkham, and Y.S. Ok. CRC Press. Portland, United States.
- Wills, S.A., C.O. Williams, M.C. Duniway, J. Veenstra, C. Seybold, and D. Presley. 2017. Human land use and soil change. In *The Soils of the USA*. L.T. West, M.J. Singer and A.E. Hartemink (eds). Springer International Publishing, Switzerland, ISBN 978-3-319-41870-4.
- Presley, D.R., S.W. Sprecher, and I.T. Kenney. 2015. Chapter 1, Basic concepts of soil science. In: *Wetland Soils: Genesis, Hydrology, Landscapes, and Classification*. Eds. M.J. Verpraskas and C.B. Craft. CRC Press, Boca Raton, FL.
- Lindbo, D., R. Miles, D.R. Presley, and N. Ransom. 2008. Soil profile descriptions. In: *Soil Science: Step-by-step field analyses*. Ed. S. Logsdon. American Society of Agronomy, Madison, WI.
- Lindbo, D., R. Miles, and D.R. Presley. 2008. Principles of site evaluation. In: *Soil Science: Step-by-step field analyses*. Ed. S. Logsdon. American Society of Agronomy, Madison, WI.

PEER-REVIEWED EXTENSION BULLETINS (19)

- Presley, D.R. and 45 others. 2022. *Midwest Cover Crops Field Guide*. Third Edition. Midwest Cover Crops Council. Published by the Purdue Education Store.
- RuizDiaz, D., and D. Presley. 2017. *Management of Saline and Sodic Soils*. MF1022. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Defoe, P.P., D.R. Presley, and G.M. Hettiarachchi. 2017. *Gardening on Lead-Contaminated Soils*. MF3166. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Lollato, R., D. Marburger, J.D. Holman, P. Tomlinson, D. Presley, and J.T. Edwards. 2017. *Dual Purpose Wheat: Management for Forage and Grain Production*. MF3375. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Presley, D.R. and 45 others. 2014. *Midwest Cover Crops Field Guide*. Second Edition. Midwest Cover

Crops Council. Published by the Purdue Education Store.

- Presley, D., and C. Boyer. 2014. Crop Residues: Abundance and Considerations for Alternative Uses. MF3165. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Tomlinson, P., D.R. Presley, and C. Rice. 2013. Top 10 Questions about Carbon and CO₂ in Agriculture. MF3120. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Tomlinson, P., D.R. Presley, and C. Rice. 2013. Greenhouse Gases in Agriculture. MF3119. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Presley, D.R., J. Tatarko, E. Brokesh, and P. Tomlinson. 2013. Emergency Wind Erosion Control. MF2206. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Presley, D.R. 2011. Tillage Data Survey. One per county for 23 KS Counties. CD-12 to CD-34. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Presley, D.R. 2010. Land Judging and Homesite Evaluation Guidebook. S-34. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Presley, D.R., and J. Tatarko. 2009. Principles of wind erosion and its control. MF-2860. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Presley, D.R., and G.M. Powell. 2009. Septic tank additives. MF-2877. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Townsend, M.A., N. Nelson, D. Goard, and D.R. Presley. 2008. Reusing dredged sediment: Geochemical and ecological considerations. In: Sedimentation in our reservoirs: Causes and Solutions. Special Publication. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Powell, G.M., and D.R. Presley. 2008. Onsite system overview. MF-2831. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Christianson, R., S. Hutchinson, G.M. Powell, and D.R. Presley. 2008. Stormwater best management practice maintenance. MF-2814. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Presley, D.R., D. R. Diaz, and G.M. Powell. 2008. Use of biosolids on agricultural land Agronomic, environmental, and safety considerations. MF-2878. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Presley, D.R., and S. Thien. 2008. Estimating soil texture by feel. MF-2852. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.
- Price, R., G.M. Powell, and D.R. Presley. 2007. Reclaiming flooded land with tillage. MF-1149. Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan, Kansas.

CONFERENCE ABSTRACTS (83)

- Kortokrax, A, N. Nelson, K. Roozeboom, G. Kluitenberg, P. Tomlinson, D. Sweeney, G. Pierzynski, A. Sheshukov, and A. Bhandari. 2022. Development and Evaluation of a Component Phosphorus Index for the State of Kansas. [Abstract]. Governor's Water Conference, Manhattan, KS.
- Correia, A., P. Tomlinson, and D. Presley. 2022. Effects of over crops on soil moisture retention and yield in four on-farm sites in Kansas. [Abstract]. Governor's Water Conference, Manhattan, KS.
- Stahl, K., D. Presley, G. Kluitenberg, K. Roozeboom, P. Tomlinson, G. Hettiarachchi, and N. Nelson. 2022. Evaluating difference in soil properties and management on a long-term watershed study in Kansas. [Abstract]. Governor's Water Conference, Manhattan, KS.

- Sakib, T., N. Nelson, S. Raugewitz, D. Presley, G. Hettiarachchi, G. Kluitenberg, K. Roozeboom, and P. Tomlinson. 2022. Runoff water quality as influence by cover crop use and sufficiency P fertilization strategy in a no-tilled corn-soybean rotation. [Abstract]. Governor's Water Conference, Manhattan, KS.
- Stahl, K. D. R. Presley, G. Kluitenberg, K. Roozeboom, P. Tomlinson, G. Hettiarachchi, and N. Nelson. 2022. Evaluating cover crops effect on soil physical properties in a long-term cover crop study in Kansas. [Abstract] Soil Science Society of America. Baltimore, MD. Poster and 5-minute rapid oral session.
- Correia, A., P. Tomlinson, K. Roozeboom, and D. Presley. 2022. [Abstract] Soil Science Society of America. Baltimore, MD. Oral presentation.
- Canisares, Lucas and many authors including D. Presley. 2022. Legumes cover crops can reduce the corn reliance on N fertilizer when compared to cereal rye across multi-state field experiments. [Abstract] Soil Science Society of America. Baltimore, MD. Oral presentation.
- Nelson, N., E. KhoshManzar, P. Tomlinson, G. Hettiarachchi, G. Kluitenberg, D. Presley, and K. Roozeboom. 2022. [Abstract] Soil Science Society of America. Baltimore, MD. Poster presentation.
- Sakib, T., N. Nelson, S. Raugewitz, D. Presley, G. Hettiarachchi, G. Kluitenberg, K. Roozeboom, and P. Tomlinson. 2022. Runoff water quality as influence by cover crop use and sufficiency P fertilization strategy in a no-tilled corn-soybean rotation. [Abstract]. Soil Science Society of America. Baltimore, MD. Poster and 5-minute rapid oral session.
- Stahl, K, S. Baughman, and D. Presley. 2022. Water Stable Aggregation: Comparing Lab Methods with a Smartphone App, and the Potential Use for Ag Extension and Education. [Abstract] American Society of Agronomy. Baltimore, MD. Oral presentation.
- Lancaster, P.A., M. Tang, D. Presley, W. Fick, L. Doro, D.L. Pendell, A. Ahlers, A. Ricketts. 2022. Outcomes of Simulated Combinations of Rangeland Management Scenarios on Soil and Nutrient Processes. [Abstract]. ASAS-CSAS Annual Meeting. Oklahoma City, OK. Oral presentation.
- Correia, A., D.R. Presley, P. Tomlinson. (2022). Effects of cover crops on soil moisture retention and yield in four on-farm sites in Kansas. [Abstract]. Soil and Water Conservation Society of America Annual Meeting, Denver, CO. Poster.
- Stahl, K., D.R. Presley, N.O. Nelson, P. Tomlinson, G.J. Kluitenberg, K. Roozeboom. (2022). Evaluating differences in soil properties and management on a long-term watershed study in Kansas. [Abstract]. Soil and Water Conservation Society of America Annual Meeting, Denver, CO. Poster.
- Lancaster, P.A., M. Tang, D. Presley, W. Fick, L. Doro, D.L. Pendell, A. Ahlers, D. Ricketts. (2022) Outcomes of Simulated Combinations of Rangeland Management Scenarios on Soil and Nutrient Processes. [Abstract]. ASAS-CSAS Annual Meeting, Oklahoma City, OK.
- Nelson, N. O., Tomlinson, P. J., Kluitenberg, G. J., Schnarr, C., & Presley, D. R. (2021) Cover Crop Effects on Edge-of-Field Water Quality: An on-Farm Demonstration Study [Abstract]. ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT.
<https://scisoc.confex.com/scisoc/2021am/meetingapp.cgi/Paper/136962>
- Kortokrax, A., Nelson, N.O., Roozeboom, K.L., Tomlinson, P.J., Presley, D.R., Sweeney, D.W., Pierzynski, G.M., Sheshukov, A., Bhandari, A. (2021) Kansas Phosphorus (P) Index: Identifying a Runoff Estimation Method That Works Best within a Component P Index. [Abstract]. ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT.
<https://scisoc.confex.com/scisoc/2021am/meetingapp.cgi/Paper/136025>
- Canisares, L.P., many authors, including D.R. Presley. (2021). Winter Cover Crop Biomass Production across a Fifteen-State Coordinated Study in the U.S.
<https://scisoc.confex.com/scisoc/2021am/meetingapp.cgi/Paper/135054>
- Nelson, N.O., E. Carver, P.J. Tomlinson, K.L. Roozeboom, G.J. Kluitenberg, D.R. Presley, J.R. Williams, E.

- Yeager. 2020. Balancing agronomic and environmental outcomes with the 4Rs of phosphorus management. In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.
- Stewart, C., L. Starr, P.J. Tomlinson, N.O. Nelson, D.R. Presley, G.J. Kluitenberg, and K.L. Roozeboom. 2019. Seasonal effects of cover crops and phosphorus fertilizer management on PLFA and microbial biomass in a no-till corn-soybean cropping system in north eastern Kansas. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Crossman, S., D.R. Presley, and P.J. Tomlinson. 2019. Short-term effects of cover crops on soil health and yield in established no-till systems. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- Wills, S., K.S. Veum, C. Caudle, D.L. Osmond, J.L. Heitman, S. Crossman, L. Starr, P.J. Tomlinson, D.R. Presley, I. Madsen, K. Naasko, H. Tao, W.L. Pan, K.L. Lewis, P.B. DeLaune, L. Adams, F.J. Arriaga, G.C. Liles, S. Perrone, J.M. Grossman, R. O'Kelley, D.D. Myrold, C.M. Ugarte, and M. Robotham. 2019. Incorporating soil biological indicators into soil survey: Microbial community structure and enzymatic activity. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- Starr, L., C. Stewart, P. Tomlinson, N.O. Nelson, D.R. Presley, G.J. Kluitenberg, and K.L. Roozeboom. 2019. Seasonal effects of cover crops and phosphorus fertilizer management on soil health parameters in an no-till corn-soybean cropping systems in north eastern Kansas. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Smith, L. and D.R. Presley. 2019. Soil Science Society of America and Certified Professional Soil Scientists and Life-Long Learning. *In Proceedings of the 2019 Onsite Wastewater Mega-Conference. National Onsite Wastewater Recycling Association. Loveland, Colorado. Oral.*
- Presley, D.R. Evaluating soil health, soil water, and crop yield effects of cover crops in no-till on-farm experiments in Kansas and the Great Plains. 2019. *In Abstracts of the First International Cover Crops Conference, Lanzhou, China.*
- Wills, S, M. Robotham, J. Nemecek, C. Ugarte, D. Myrold, D. Presley, D. Osmond, F. Arriaga, G. Liles, J. Gross, J. Heitman, K. Naaska, K. Lewis, L. Adams, I. Madsen, P. DeLaune, P. Tomlinson, S. Crossman, L. Starr, S. Perrone, H. Tao, and B. Pan. 2019. Dynamic soil properties for soil health assessment: Coordinating a national project. *In Annual meetings abstracts, Soil and Water Conservation Society, Ankeny, IA. Oral.*
- Wills, S, M. Robotham, J. Nemecek, D.L. Osmond, J.L. Heitman, D.R. Presley, P.J. Tomlinson, H. Tao, P.B. DeLaune, K.L. Lewis, G.C. Liles, F.J. Arriaga, and L. Adams. 2019. Putting soil health indicators in context: A project using dynamic soil properties and soil survey to provide references and potentials. *In Annual meetings abstracts, SSSA, Madison, WI. Oral.*
- Presley, D.R. 2019. Benefits and limitations of physical measures of soil health. *In Annual meetings abstracts, SSSA, Madison, WI. Oral.*
- Starr, L., P.J. Tomlinson, N.O. Nelson, D.R. Presley, G.J. Kluitenberg, and K. Roozeboom. 2018. Soil microbial biomass and enzyme response to cover crop and P fertilizer management in a no-till corn-soybean rotation. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Presley, D.R., Y. He, and P.J. Tomlinson. 2018. Soil health and yields on non-sodic soils amended with flue gas desulfurization gypsum. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- Presley, D.R., R.A. Cloyd, C.L. Rivard, K. Oxley, C. Day, and M. Kennelley. 2019. Flipping the classroom in extension: Vegetable crop IPM and soil health webinars and workshops. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Presley, D.R., J. Tatarko, and Y. He. 2018. Removing crop residue in continuous no-tillage systems: Soil and Productivity Effects are Site-Specific. *In abstracts of the 21st International Soil Tillage Research Organization Conference, Paris, France. Poster.*
- Presley, D.R., and Y. He. 2017. Sustainability and Profitability of Residue Removal for Biofuel Use in a

- Water-Limited Region. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Presley, D.R. 2017. Determining Acceptable Levels of Crop Residue Removal for Crop Yields and Erodibility. *In Annual meetings abstracts, Soil and Water Conservation Society, Ankeny, IA. Oral.*
- Ataee, N., J.Q.G. Spencer, S. Huot, D.R. Presley. 2017. Modelling accumulation in beta and gamma dose rate for very thin layers: Implications for luminescence dating of dust deposits. *In Annual meetings abstracts, Geological Society of America. Boulder, CO. Oral.*
- Scarpace, M., M.D. Ransom, S.A. Wills, D.R. Presley, G.J. Kluitenberg. 2016. Genesis of Aridic Argiustolls of Western Kansas. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Alghamdi, A., M.B. Kirkham, D.R. Presley, G.M. Hettiarachchi, and B. Paul. 2016. Heavy Metal Uptake from Abandoned Mine Waste Materials Amended with Biosolids. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Davis, C., D.R. Presley, G. Sassenrath, J. Farney. 2016. Multi-Species Cover Crop Mixtures: Forage quantity and quality. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- Davis, C., D.R. Presley, J. Farney, G. Sassenrath. 2016. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- Spencer, Joel Q.G., Huot, Sebastien, Alghamdi, Abdulaziz, Presley, DeAnn. 2016. Optically Stimulated Luminescence Dating Of Young Sediments and Dusts. *In Annual meetings abstracts, Geological Society of America. Boulder, CO. Oral.*
- Presley, D.R. 2016. Effects of flue gas desulfurization gypsum on crop yields and soil health in Kansas. *In Annual meetings abstracts, Soil and Water Conservation Society, Ankeny, IA. Oral.*
- Presley, D.R. 2016. No-Till pumpkin production using cover crops in the Great Plains: Soil Health and Fruit Yield. *In Annual meetings abstracts, Soil and Water Conservation Society, Ankeny, IA. Oral.*
- Presley, D.R. 2016. Effects of flue gas desulfurization gypsum on crop yields and soil health in Kansas. Great Plains Soil Fertility Conference. IPNI, Peachtree Corners, GA.
- Presley, D.R., P.J. Tomlinson, C. Rivard, K. Oxley, J. Griffin. 2015. Soil health evaluation in no-till, cover crop, pumpkin production systems in the Great Plains. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- Davis, C., D.R. Presley, J. Farney, G.F. Sassenrath. 2015. Evaluating multi-species cover crops for forage production. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Alghamdi, A, D.R. Presley, M.B. Kirkham, G. M. Hettiarachchi, B. Paul. 2015. Soil physical properties at an abandoned mine in Central USA. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Scarpace, M., M.D. Ransom, D.R. Presley, G.J. Kluitenberg, S.A. Wills. 2015. Impact of tillage and long-term irrigation on dynamic soil properties and taxonomy in Aridic Argiustolls of Western Kansas. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- Presley, D.R*. 2015. Growing the next generation of young women scientists: Exciting adventures in soil science. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. *Invited oral symposium speaker.*
- Hsiao, G.F. Sassenrath, C.W. Rice, L.H. Zeglin, G.M. Hettiarachchi, and D.R. Presley. 2015. Soil microbial activity with depth in claypan soils of southeast Kansas. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Poster.*
- He, Yuxin, D.R. Presley, and J. Tatarko. 2015. Evaluating liquid fertilizer to increase wheat straw decomposition in no-till systems – A physical evaluation. *In abstracts of the 20th International Soil Tillage Research Organization Conference, Nanjing, China.*
- He, Yuxin, H. Blanco, J. Tatarko, and D.R. Presley. 2015. Soil wind erosion due to crop residue removal under no-till system in central Great Plains, USA. *In abstracts of the 20th International Soil Tillage Research Organization Conference, Nanjing, China.*
- He, Yuxin, H. Blanco, J. Tatarko, and D.R. Presley. 2014. Using SWEEP to simulate soil wind erosion under

- different crop residue removal levels. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- He, Yuxin, D.R. Presley, and J. Tatarko. 2014. Evaluation of physical strength of wheat straw under different fertilizer treatments and rates. *In Annual meetings abstracts, ASA, CSSA, and SSSA, Madison, WI. Oral.*
- Presley, D.R. and Y. He. 2014. Using N and S fertilizer to decompose crop residue: Does it work? *In Annual meetings abstracts, Soil and Water Conservation Society, Ankeny, IA. Poster*
- He, Yuxin, D.R. Presley, and J. Tatarko. 2013. Effects of nitrogen and sulfur rates and timing on the decomposition of wheat straw. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- He, Yuxin, H. Blanco, J. Tatarko, and D. R. Presley. Two-year on-farm study of crop residue removal on soil erodibility. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Busch, Michelle, and D.R. Presley. 2013. Cedar afforestation of prairie alters soil properties on a decadal time scale. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Kenney, I., H. Blanco-Canqui, D.R. Presley, C. Rice, N. Nelson, B. Olson, and K. Janssen. 2011. Short-term effects of corn stover removal for bioenergy production on soil properties: A regional assessment. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Evers, B., H. Blanco, J. Tatarko, S. Staggenborg, K. Harmony, G. Kluitenberg, and D.R. Presley. 2011. Wind erodibility and soil physical property effects of dedicated energy crops for cellulosic ethanol production in Kansas. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Frees, L., H. Blanco, K. Roozeboom, J. Holman, D.R. Presley, and G. Cramer. 2011. Cover crop activities in Kansas. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Evers, B., H. Blanco, S. Staggenborg, K. Harmony, G. Kluitenberg, and D.R. Presley. 2011. Water use and conservation under bioenergy crops in the Central Great Plains. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Harms, A., D.R. Presley, G. Hettiarachchi, and S.J. Thien. Needs assessment survey of urban gardeners and farmers on soil contamination. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Harms, A., S.J. Thien, D.R. Presley, and G. Hettiarachchi. 2011. Meeting the educational needs of today's Agronomy students at Kansas State University. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Whitehair, T., D.R. Presley, K.L. Martin, L.R. Stone, and C.R. Little. 2011. Vertical tillage effects on corn yield, disease and pathogens, and soil properties. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Ihde, N.A., D. R. Presley, J. Tatarko, and L.R. Stone. 2010. Implications for harvesting corn residue for energy feedstocks in southwest Kansas on soil quality and wind erosion. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Oral presentation.*
- Kenney, I., H. Blanco-Canqui, D.R. Presley, C. Rice, N. Nelson, B. Olson, and K. Janssen. 2010. Short-term effects of corn stover removal for cellulosic ethanol production on soils properties: A regional assessment. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Oral presentation.*
- Kenney, I., H. Blanco-Canqui, D.R. Presley, C. Rice, N. Nelson, B. Olson, and K. Janssen. 2010. Water quality effects of crop residue removal for cellulosic ethanol production. *In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.*
- Kenney, I., H. Blanco-Canqui, D.R. Presley, C. Rice, N. Nelson, B. Olson, and K. Janssen. 2010. Water quality effects of crop residue removal for cellulosic ethanol production. *In Meeting abstracts [CD-ROM]. 19th World Congress of Soil Science. Poster.*
- Hettiarachchi, G., S. Martin, A. Raes, C. Attanayake, P. Defoe, D.R. Presley, and G.M. Pierzynski. 2010. Gardening on Brownfields Sites: Evaluating Trace Element Transfer from Soil to Plants and Their

- Transformations in Soils. In Meeting abstracts [CD-ROM]. 19th World Congress of Soil Science. Poster.
- Holman, J., S. Maxwell, A. Dille, K. Roozeboom, K. Martin, D.R. Presley, A. Schlegel, J. Petrosino, and K. Arnet. 2010. Evaluation of annual cover crops for forage yield in a wheat-fallow rotation. p 45-49. Proceedings of 7th annual Cover your acres winter conference. Oberlin, KS.
- Hartley, P.E., M.D. Ransom, D.R. Presley, and L.T. West. 2009. Genesis, mineralogy, and micromorphology of vertic soils in southeastern Kansas. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.
- Ihde, N.A., D.R. Presley, J. Tatarko, and L.R. Stone. 2009. Wind erodibility, soil moisture, and freeze-thaw frequency: Implications of harvesting corn residue for energy feedstock in southwest Kansas. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.
- Janke, R.R., and D.R. Presley. Food waste composting. Kansas State University Conference on Sustainability. January 23, 2009. Poster.
- Cruz, D., L.W. Noll, D.R. Presley, P.V.V. Prasad, K. Roozeboom, K., and C.R. Little, Influence of soils, nutrition, and water relations upon charcoal rot incidence and severity in Kansas. Kansas Soybean Expo, Topeka, Kansas. January 7, 2009. Poster.
- Presley, D.R., and P.E. Hartley. 2008. Information that infiltrated: A sprinkling of extension soil science presentations. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Oral.
- Ihde, N.A., D.R. Presley, and R. Nelson. Development of a research plan to assess impacts of crop residue harvest for biofuel production on multiple ecosystem services. Sustainability of Biofuels Production and Processing in the Central Plains, Manhattan, Kansas. September 16, 2008. Poster.
- Presley, D.R., M.D. Ransom, and P.E. Hartley. 2007. Mineralogy and stratigraphy of polygenetic soils on different geomorphic surfaces of the Bluestem Hills of Kansas. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI. Poster.
- Presley, D. R., M.D. Ransom, and W.A. Wehmueller. 2006. Genesis and distribution of upland soils and paleosols in east central Kansas. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
- Presley, D.R., M.D. Ransom, and W.A. Wehmueller. 2006. Geomorphology and Parent Material Relationships: Refining Second Order Soil Surveys in Kansas Using GIS and Terrain Analysis. In: Abstracts of the 18th World Congress of Soil Science, July 9-15, 2006, Philadelphia, Pennsylvania. CD-ROM.
- Presley, D.R., M.D. Ransom, and W.A. Wehmueller. 2005. Micromorphological investigations of polygenetic soils formed under tallgrass prairie in the Bluestem Hills of Kansas. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
- Ricks, D.K., M.D. Ransom, and P.R. Finnell. 2002. Effects of thirty years of irrigation on the properties of semi-arid soils in Kansas. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
- Shroyer, J., J. Foltz, J. Wood, C. Bensch, K. McVay, D. Ricks, J. Schmidt, J. Tatarko. 2001. Kids' Virtual Field Day. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
- Ricks, D.K., M.D. Ransom, L.R. Stone, and P.R. Finnell. 2001. Morphological changes of Kansas soils under long-term irrigation. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
- Ricks, D.K., L. Burras, M.E. Konen, and A.J. Bolender. 1997. Genesis and morphology of Mima mounds and associated soils at Kalsow Prairie, Iowa. *In* Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.

GRADUATE STUDENTS ADVISED (8 graduated, 3 in progress)

Nicholas Ihde

MS

Agronomy

Spring 2011

Ashley Harms	MS	Agronomy	Fall 2011
Ian Kenney	MS	Agronomy	Fall 2011
Anthony Whitehair	M.S.	Agronomy	Fall 2014
Yuxin He	Ph.D.	Agronomy	Spring 2015
Abdulaziz Alghamdi	Ph.D.	Agronomy	Fall 2016
Cathryn Davis	M.S.	Agronomy	Fall 2016
Savanna Crossman	M.S.	Agronomy	Fall 2019
Alexis Correia	Ph.D.	Agronomy	Expected Spring 2025
Kendra Stahl	M.S.	Agronomy	Expected Spring 2023
Adam Petty	M.S.	Agronomy	Expected Spring 2024

UNDERGRADUATES ADVISED FOR RESEARCH PROJECTS OR MENTORSHIPS (9)

Griffin Wood-Smith	REEU UG, Univ. California, Chico	Summer 2022
Vincent Otchere	KSRE Fellows UG, K-State	Summer 2022
Sydney Baughman	Kansas State University Honors Program advisor	Spring 2022
Abby Evans	Research Experience UG, South Dakota State	Summer 2014
Alexis Lorence	Research Experience UG, Univ. Nebraska-Lincoln	Summer 2017
Lauren Simmons	Research Experience UG, K-State, AGRON 598	Summer 2017
Michelle Busch	KSU College of Ag Honors Program advisor	Fall 2013
Sarah Kogler	Golden Opportunity Mentee U. WI-Stevens Point	Fall 2013
Jenna Platt	Research Experience UG, Auburn	Summer 2012

AWARDS (14)

- Soil and Water Conservation Society, Fellow, 2022.
- Extension Education Community Educational Materials Excellence Award, Short Publication Category, 2022.
- Soil Science Society of America Editor's Citation for Excellence Award for Outstanding Service – Associate Editor, 2021.
- USDA Under Secretary's Award for the Grazing CAP research project, team member, 2019.
- Kansas State University Faculty Senate Professor of the Week Award recipient, 2017-2018.
- Extension Education Community Educational Materials Excellence Award, Social Media Category, 2017.
- College of Agriculture Teaching Excellence Honoree, 2016-2017.
- Extension Education Community Educational Materials Excellence Award, Publications <16 pages category, 2016.
- Extension Education Community Educational Materials Excellence Award, Publications >16 pages category, 2015.
- Kansas State University Gamma Sigma Delta Chapter, Excellence in Extension Award, 2016.
- Young Scholar Award, Soil and Water Management and Conservation Division, SSSA, 2014.
- Environmental Protection Agency, Food Recovery Challenge Achievement Award, 2013.
- Early Career Award, Epsilon Sigma Phi, KSU Chapter, 2013.
- Early Career Award, Eta Chapter, Gamma Sigma Delta, 2011.

INTERNATIONAL SERVICE/ACTIVITY

- Invited presentation: Evaluating soil health, soil water, and crop yield effects of cover crops in no-till on-farm experiments in Kansas and the Great Plains. 2019. *In* Abstracts of the First International Cover Crops Conference, Lanzhou, China. 125 attendees.

- Member of the International Soil Tillage Research Organization. Volunteered research at the triennial conferences in 2012, (Montevideo, Uruguay), 2015 (Nanjing, China) and 2018 (Paris, France).
- Member of team funded by USDA-Foreign Agricultural Service and the Chinese Ministry of Agriculture to explore opportunities for collaboration on the subject of: Adjusting agricultural practices in response to climate change-Climate resilient agriculture. USDA-Foreign Agricultural Service. August-September 2017.
- Invited presentation to eastern European producers at the Seventh International Conference on Conservation Agriculture in Ukraine in June 2009.

REGIONAL AND NATIONAL PROFESSIONAL SERVICE

- Represent Kansas on the North Central Coordination Committee (NCCC211): Cover crops to improve agricultural sustainability and environmental quality in the upper Midwest. Member 2015-present. Chair, 2018.
- Represent Kansas on the North Central Regional Research committee (NC1178): Impacts of Crop Residue Removal for Biofuel on Soils. Member 2013-present. Chair, 2014.
- Board Member, Midwest Cover Crops Council, 2016-present.
 - App development committee, 2017
 - Cover crop recipe committee, 2018
- Soil Science Society of America, Member (2002-present)
 - Soil and Water Management and Conservation section, Best Paper committee (2012-2016).
 - Chair of the Nyle C. Brady Frontiers of Soil Science lectureship committee, 2013, 2014, continued as a committee member in 2015.
 - Soil and Water Management and Conservation Section Scholarship Selection Committee member (2018-2021).
 - Associate Editor, Soil Science Society of American Journal, 2017-2022.
 - Chair, Geomorphology committee (2012)
- American Society of Agronomy, Member 2010-present)
 - American Society of Agronomy Extension Education Community leader (2015)
 - American Society of Agronomy Gypsum Community vice-leader (2017), presiding (2018).
 - Member, Carl Sprengel Agronomic Research Award Committee (2015-2016, 2018-present)
 - Member, Darrel S. Metcalfe Student Journalism Contest Committee (2020-present).
 - Panelist, Graduate Student Leadership Conf., American Society of Agronomy (2017).
- Soil and Water Conservation Society, Member (1999-present)
 - Chair, Annual Conf. Planning Committee, Soil and Water Conservation Society (2016-2017).
- Reviewed manuscripts for the following journals: Soil Science Society of America Journal, Agronomy Journal, J. Soil Water Conservation Society, Soil Science, Soil and Tillage Research, Canadian Journal of Soil Science, Land Degradation and Development, Transactions of the American Society of Agricultural and Biological Engineers, Crop, Forage, and Turfgrass Management, Soil Research, PLOS One, Soil Use and Management, Pedosphere, and Transactions of the Kansas Academy of Science.
- Reviewed grant applications
 - South Dakota Nutrient Research and Education Council (2018, 2021, 2022)
 - Sustainable Agriculture Research and Education Partnership Grant (2018)
 - Panel reviewer for USDA-AFRI Agricultural Economics and Rural Communities Small, Medium Sized Farms program in July 2011.
 - Panel reviewer for USDA-NIFA AFRI - Bioenergy, Natural Resources, and Environment (BNRE) Foundational and Applied Science Program: A1401 Soil Health grant program, July

2021, again November 2022.

- Member of the Kansas 2nd Congressional District Core Constituent Scientists Team for the Soil Science Society of America, 2009-2012.