



Jane R. Frankenberger
Professor, Agricultural & Biological Engineering
PhD 1996, Cornell University
MS 1984, University of Minnesota
BS 1979, St. Olaf College
Teaches ABE 29000, ABE 49000

Recent Papers

MA Youssef, J Strock, E Bagheri, BD Reinhart, LJ Abendroth, G. Chighladze, E. Gahne, V. Shedekar, NR Fausey, JR Frankenberger, MJ Helmers, DB Jaynes, E Kladviko, L Negm, K Nelson, L Pease. 2023. Impact of controlled drainage on corn yield under varying precipitation patterns: A synthesis of studies across the US Midwest and Southeast. *Agricultural Water Management* 275, 107993.

J Valencia, J Frankenberger, K Cherkauer, JM Martín-López, F Monserrate, M da Silva. 2022. Water sufficiency for cacao production in the Sierra Nevada de Santa Marta (SNSM) region, Colombia. *Journal of Hydrology: Regional Studies* 44, 101255.

J Valencia Gomez, J Frankenberger, K Cherkauer, JM Martín-López, F Monserrate, M da Silva. 2022. Water sufficiency for cacao production in the Sierra Nevada de Santa Marta (SNSM) region, Colombia. *Academic Journals*.

LJ Abendroth, G Chighladze, JR Frankenberger, LC Bowling, MJ Helmers, DE Herzmann, X Jia, J Kjaersgaard, LA Pease, BD Reinhart, J Strock, M Youssef. 2022. Paired field and water measurements from drainage management practices in row-crop agriculture. *Scientific Data* 9 (1), 1-13.

SC Sellars, NM Thompson, ME Wetzstein, L Bowling, K Cherkauer, C Lee, J Frankenberger, B Reinhart. 2022. Does crop insurance inhibit climate change technology adoption? *Mitigation and Adaptation Strategies for Global Change* 27 (3), 1-20.

MJ Helmers, L Abendroth, B Reinhart, G Chighladze, L Pease, L Bowling, M Youssef, E Ghane, L Ahiablame, L Brown, N Fausey, J Frankenberger, D Jaynes, K King, E Kladviko, K Nelson, J Strock. 2022. Impact of controlled drainage on subsurface drain flow and nitrate load: A synthesis of studies across the US Midwest and Southeast. *Agricultural Water Management* 259, 1072657.

CI Lee, L Bowling, K Cherkauer, J Frankenberger, J Ackerson. 2021. Modeling subsurface drainage hydroclimatology in the US Corn Belt. *AGU Fall Meeting Abstracts 2021*, H52F-03.

LJ Abendroth, G Chighladze, D Herzmann, MJ Helmers, L Ahiablame, LC Bowling, LC Brown, N Fausey, J Frankenberger, D Jaynes, X Jia, JH Kjaersgaard, K King, EJ Kladviko, KA Nelson, LA Pease, B Reinhart, J Strock, M Youssef. 2021. *Drainagedata.Org*: New Data Resource from the Transforming Drainage Project. *ASA, CSSA, SSSA International Annual Meeting*.

LC Bowling, KE Mazer, E Bocardo-Delgado, JR Frankenberger, J Pinto, R Popovici, LS Prokopy. 2021. Addressing Water Resources and Environmental Quality Programming Needs in Arequipa, Peru. *Journal of Contemporary Water Research & Education* 173 (1), 1-12.

F Daneshvar, JR Frankenberger, LC Bowling, KA Cherkauer, AG de Lima Moraes. 2021. Development of strategy for SWAT hydrologic modeling in data-scarce regions of Peru. *Journal of Hydrologic Engineering* 26 (7), 05021016.

K Nelson, J Kjaersgaard, B Reinhart, J Frankenberger, R Willison, K Gunn, C Lee, L Abendroth, L Bowling, AR Niaghi. 2021. Corn Yield Response to Drainage Water Recycling using Subirrigation. *Extension Publications*, 1-8.

F Daneshvar, J Frankenberger, K Cherkauer, H Novoa, L Bowling. 2021. Hydrological assessment of interconnected river basins in semi-arid region of Peruvian Andes. *Earth and Space Science Open Archive*.

K Salazar, N Burgmeier, J Orick, C Emanuel, J Frankenberger, L Esman, R Lerner, H Schmitz, N Witkowski, P Woolery. 2021. Homeowner Conservation Practices to Protect Water Quality.