



Nebraska Agri-Business Association & University of Nebraska – Lincoln

Advanced Topics Soils School 2019

January 30-31, 2019

Quality Inn & Conference Center - Grand Island, NE



Wednesday January 30, 2019

9:00	Registration	
9:40-10:30	A history of improved nitrogen use efficiency and major opportunities for improvement; Nitrogen Dynamics implications for shallow groundwater across landscapes of the Lower Elkhorn NRD - <i>Dan Miller & Charles Wortmann</i>	NM
10:30-11:20	Groundwater and vadose zone nitrate-association with geogenic contaminants - <i>Dan Snow</i>	SW
11:20-12:10	Current and effective urease and nitrification inhibitors - <i>Bijesh Maharjan & Charles Wortmann</i>	NM
12:10-1:00	Lunch	
1:00-1:50	Estimation of nitrogen losses from char amended fertilized soils; Corn stover removal and tillage effects on soil microbial biomass - <i>Dinesh Panday & Salvador Ramirez</i>	NM
1:50-2:40	Long-term management effects on soil greenhouse gas Emissions - <i>Virginia Jin</i>	SW
2:40-3:30	Corn stover harvest impacts on soil carbon and grain yield - <i>Marty Schmer</i>	SW
3:30-3:40	Break	
3:40-4:30	Sensors, data, etc TBA - <i>Joe Luck</i>	NM
4:30-5:20	Corn phosphate research and revised recommendations Open discussion - <i>Charles Wortmann</i>	NM

Thursday January 31, 2019

8:00-8:50	Management and land use effects on soil organic matter fraction characteristics - <i>Michael Kaiser</i>	SW
8:50-9:40	In-season Nitrogen - <i>Brian Krienke</i>	NM
9:40-9:50	Break	
9:50-10:40	Using Maize Nitrogen to make your corn taste better - <i>Haishun Yang</i>	NM
10:40-11:30	Soil research results from the NOFRN; Soil management for climate resilience - <i>Charles Wortmann & Tyler Williams</i>	SW
11:30-12:20	The maize rhizobiome and beyond: impact of cropping system management - <i>Rhae Drijber</i>	SW
12:20-1:00	Lunch	
1:00-1:50	Cover crops on soil hydraulic properties; Reducing nitrate leaching with cover crops - <i>Michael Sindelar & Sabrina Ruis</i>	SW
1:50-2:40	Cover crop productivity/profitability - <i>Katja Koehler-Cole</i>	NM
2:40-3:30	Grazing over crops and soil ecosystem services; Open discussion for 20 minutes - <i>Humberto Blanco & Moderator</i>	SW

(NM, Nutrient Management – 8 CEUs); (SW, Soil & Water – 8 CEUs)