Soil Science

Department Information

• Director, School of Natural Resource Sciences:
  Frank Casey, Ph.D.
• Program Leader:
  Thomas DeSutter, Ph.D.
• Email:
  Thomas.DeSutter@ndsu.edu
• Department Location:
  School of Natural Resource Sciences, Hultz 202
• Department Phone:
  (701) 231-5368
• Department Web Site:
  www.ndsu.edu/snrs/degrees/graduate_degrees/ (http://www.ndsu.edu/snrs/degrees/graduate_degrees/)
• Application Deadline:
  International applications are due May 1st for fall and August 1 for spring and summer semesters. Domestic applicants should apply at least one month prior to the start of classes.
• Credential Offered:
  Ph.D., M.S.
• English Proficiency Requirements:
  TOEFL iBT 71, IELTS 6; Duolingo 100

Francis X.M. Casey, Ph.D.
Iowa State University, 2000
Research Area/Activity: Field Oriented Soil Physics, Measurement and Prediction of Water Transfer and Chemical Transport Through Soil

Larry J. Cihacek, Ph.D.
Iowa State University, 1979

Thomas M. DeSutter, Ph.D.
Kansas State University, 2004
Research Area/Activity: Trace Elements, Land Application of Byproducts, Inorganic Soil Chemistry, Soil Environmental Conditions

David W. Franzen, Ph.D.
University of Illinois, 1993
Research Area/Activity: Soil Fertility/State Soil Specialist

Caley Gasch, Ph.D.
University of Wyoming, 2013
Research Area/Activity: Soil Ecology, Restoration, Reclamation, Monitoring of Degraded Soils

R. Jay Goos, Ph.D.
Colorado State University, 1980
Research Area/Activity: Soil Fertility and Management/Fertilizer Management for Small Grains

David G. Hopkins, Ph.D.
North Dakota State University, 1997
Research Area/Activity: Interactions Among Landscape, Soil Morphology, Soil Properties and Environmental Aspects of Land Use

Abbey Wick, Ph.D.
University of Wyoming, 2007
Research Area/Activity: Soil Health in Agricultural and Range Lands; Mine Reclamation

Adjunct Faculty

Allan W. Cattanach, Ph.D.
University of Minnesota, 1979
Research Area/Activity: Soil Fertility, Sugar Beet Management

**Gary H. Halvorson, Ph.D.**  
Oregon State University, 1979  
Director of Agriculture, Sitting Bull College, Fort Yates, SD

**Mark Liebig, Ph.D.**  
University of Nebraska, 1998  
USDA-ARS Northern Great Plains Research Laboratory, Mandan, ND  
Research Area/Activity: Soil Quality, Soil Carbon Dynamics, Greenhouse Gas Flux, Semiarid Agroecosystems

**Stephen D. Merrill, Ph.D.**  
University of California, Riverside, 1976  
USDA-ARS Northern Great Plains Research Laboratory, Mandan, N.D.  
Research Area/Activity: Soil Erosion Processes; Crop Root Growth and Soil/Crop Hydrology; Mined Land Reclamation

**Jill Motschenbacher, Ph.D.**  
University of Arkansas, 2012  
North Dakota State University  
Research Area/Activity: Soil Physics, Sustainable Cropping Systems

**Peter L. O'Brien, Ph.D.**  
North Dakota State University, 2017  
Research Area/Activity: Reclamation, Cover Crops, Soils Management

**Laura F. Overstreet Gentry, Ph.D.**  
North Carolina State University, 2005  
Assistant Professor, University of Illinois Urbana-Champaign  
Research Area/Activity: Soil Fertility, Grain Crops, Bioenergy Crops, Crop Management, Environmental Systems

**Jimmie L. Richardson Ph.D.**  
Iowa State University, 1974  
Research Area/Activity: Soil Salinization, Soil Development in Wetlands, Hydrologic Patterns, Sedimentation

**James A. Staricka, Ph.D.**  
University of Minnesota, 1990  
Williston Research Extension Center,  
Research Area/Activity: Soil and Water Conservation and Nutrient Use Efficiency in Dryland and Irrigated Crop Production

**Donald L. Tanaka, Ph.D.**  
University of Nebraska, 1980  
USDA-ARS Northern Great Plains Research Laboratory, Mandan, ND  
Research Area/Activity: Dryland Integrated Agricultural Systems, Soil and Crop Ecological Interactions