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

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

Amitava Chatterjee, Ph.D.
University of Wyoming, 2007
Research Area/Activity: Soil Fertility Management, Greenhouse Gas Emissions

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, Sugarbeet 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, Fargo, ND
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