Title Name Department PLANT SCIENCE Boe, Arvid Evaluating Perennial Grass Cultivars for their use as Biomass Energy Crops in South Dakota Bucking, Heike **BIOLOGY & MICROBIOLOGY** REU Site: Interdisciplinary Research Experiences for Undergraduates on Bioenergy - 2012 **BIOLOGY & MICROBIOLOGY** REU Site: Interdisciplinary Research Experiences for Undergraduates on Bioenergy - 2012 Bucking, Heike Employing Local and Traditional Foods to Improve Health and Economic Development on the Cheyenne River Reservation Burke, Shawn **COOPERATIVE EXTENSION SERVICE** Clay, Sharon PLANT SCIENCE Demonstrating Mob Grazing Impacts in the Northern Great Plains on Grazing land Efficiency, Botanical Composition, Soil Quality, and Ranch Economics Clay, Sharon/Brozel, Volker **BIOLOGY & MICROBIOLOGY** Demonstrating Mob Grazing Impacts in the Northern Great Plains on Grazing land Efficiency, Botanical Composition, Soil Quality, and Ranch Economics **ECONOMICS** Demonstrating Mob Grazing Impacts in the Northern Great Plains on Grazing land Efficiency, Botanical Composition, Soil Quality, and Ranch Economics Clay, Sharon/Janssen, Larry JOURNALISM & MASS COMMUNICATION Demonstrating Mob Grazing Impacts in the Northern Great Plains on Grazing land Efficiency, Botanical Composition, Soil Quality, and Ranch Economics Clay, Sharon/Koroglu, Didem NATURAL RESOURCE MANAGEMENT Clay, Sharon/Smart, Alexander Demonstrating Mob Grazing Impacts in the Northern Great Plains on Grazing land Efficiency, Botanical Composition, Soil Quality, and Ranch Economics Clay, Sharon/UNL() (sub) PLANT SCIENCE Demonstrating Mob Grazing Impacts in the Northern Great Plains on Grazing land Efficiency, Botanical Composition, Soil Quality, and Ranch Economics **GSCE** Center of Excellence Cochrane, Mark Wildfire Risk and Treatment Effectiveness of Protecting Highly Valued Resources and Assets with Fuels Management **ECONOMICS** Economics of WIC and Infant Formula Markets Davis, David Economics of WIC and Infant Formula Markets Davis, David/U of Conn (Huang/An) (sub) **ECONOMICS** Fan, Qi Hua ELECTRICAL ENGINEERING & COMPUTER SCIENCE Electrophoretic Deposition of Biochar Nanoparticle based Films for Energy Storage (Cost Share for 3FA166) **ANIMAL SCIENCE** Gates, Roger Small Acreage Success: Connecting Natural Resource Professionals with a Non-traditional Audience NATURAL RESOURCE MANAGEMENT Developing Guidelines for Sustainable Livestock Grazing in South Dakota Ponderosa Pine Forests: Balancing Economically Important Ecosystem Goods with Ecological Integrity Gates, Roger NATURAL RESOURCE MANAGEMENT Human Dimensions of Habitat Loss in the Plains and Prairie Pothole Region Gigliotti, Larry Graeb, Brian NATURAL RESOURCE MANAGEMENT River Channel Restoration and Pecos Bluntnose Shiner Recruitment NATURAL RESOURCE MANAGEMENT Graeb, Brian/Weber St.-Hoagstrom (sub) River Channel Restoration and Pecos Bluntnose Shiner Recruitment Granholm, Nels MODERN LANGUAGES & GLOBAL STUDIES Teaching U.S. Students about Canadian Values and Institutions with a Focus on Human Rights: A Model for Intercultural Competence Grovenburg, Troy NATURAL RESOURCE MANAGEMENT An Assessment of Direct Mortality to Avifauna from Wind Energy Facilties in North Dakota and South Dakota Adapting Livestock Systems to Climate Change: Climate Change, Pastoral Resources and Livestock in the Sahel: Developing a Community-Relevant Pastoral Prediction System Hanan, Niall/U of FL-McKune (sub) GSCE Center of Excellence **SOCIOLOGY & RURAL STUDIES** Research Coordination Network: Fostering Cross-Disciplinary Research on Energy Development Jacquet, Jeffrey **SOCIOLOGY & RURAL STUDIES** Jacquet, Jeffrey Research Coordination Network: Fostering Cross-Disciplinary Research on Energy Development Jacquet, Jeffrey/Montana State U.-J. Haggarty **SOCIOLOGY & RURAL STUDIES** Research Coordination Network: Fostering Cross-Disciplinary Research on Energy Development Jenks, Jonathan NATURAL RESOURCE MANAGEMENT An Evaluation of the Impacts of Energy Development on Life History Parameters and Management of White-tailed Deer in the Cedar Creek Anticline of Southwestern North Dakota and Northwestern South Dakota NATURAL RESOURCE MANAGEMENT Modeling the Effects of Pattern Field Tiling on the Hydrology and Ecological Fuctioning of Pairire Pothole Wetlands Johnson, C. Kelley, Van/Ahiablame, Laurent WATER RESOURCES INSTITUTE FY14 State Water Resources Research Institute Program: Evaluating Nutrient Best Management Practices to Conserve Water Quality NATURAL RESOURCE MANAGEMENT Comprehensive Inventory of Restorable Wetlands in Minnesota's Thief River Watershed Kjellsen, Michael **COUNSELING & HUMAN DEVELOPMENT** Oscarson, Renee Mobilizing Rural Low-Income Communities to Assess and Improve the Ecological Environment to Prevent Childhood Obesity N Central Sun Grant Center: Research, Extension and Educational Programs on Biobased Energy Tech & Products NORTH CENTRAL REGIONAL SUN GRANT CENTER Owens, Vance NORTH CENTRAL REGIONAL SUN GRANT CENTER Owens, Vance Advancing the National Bioeconomy through Regional Sun Grant Centers Owens, Vance NORTH CENTRAL REGIONAL SUN GRANT CENTER Advancing the National Bioeconomy through Regional Sun Grant Centers Owens, Vance NORTH CENTRAL REGIONAL SUN GRANT CENTER Sun Grant Program - North Central Regional Center: Emerging Feedstocks/Economics ELECTRICAL ENGINEERING & COMPUTER SCIENCE Owens, Vance/Fan, Q. Regional Biomass Feedstock Development Partnership (Logistics): Electrophoretic Deposition of Biochar Nanoparticle based Films for Energy Storage Owens, Vance/Grady, K. PLANT SCIENCE Sun Grant Program - North Central Regional Center: Sustainable Feedstocks for an Oilseed Based Biofuel Industry in the Dakotas Owens, Vance/Grady, K. PLANT SCIENCE Sun Grant Program - North Central Regional Center: Sustainable Feedstocks for an Oilseed Based Biofuel Industry in the Dakotas AGRICULTURAL & BIOSYSTEMS ENGINEERING Sun Grant Program - North Central Regional Center: Sustainable Feedstocks for an Oilseed Based Biofuel Industry in the Dakotas Owens, Vance/Grady/Muthu Owens, Vance/Grady/NDSU-Johnson (sub) **PLANT SCIENCE** Sun Grant Program - North Central Regional Center: Sustainable Feedstocks for an Oilseed Based Biofuel Industry in the Dakotas Owens, Vance/Grady/Nleya PLANT SCIENCE Sun Grant Program - North Central Regional Center: Sustainable Feedstocks for an Oilseed Based Biofuel Industry in the Dakotas NORTH CENTRAL REGIONAL SUN GRANT CENTER Owens, Vance/LA St U/Gravois (sub) Biomass Feedstock Regional Partnership: Energycane Owens, Vance/MS St U-Bldwn (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER Biomass Feedstock Regional Partnership: Energycane Owens, Vance/MS St U-Macoon (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER Biomass Feedstock Regional Partnership: Energycane Owens, Vance/OK State NORTH CENTRAL REGIONAL SUN GRANT CENTER Advancing the National Bioeconomy through Regional Sun Grant Centers Owens, Vance/OSU NORTH CENTRAL REGIONAL SUN GRANT CENTER Advancing the National Bioeconomy through Regional Sun Grant Centers Owens, Vance/Penn State NORTH CENTRAL REGIONAL SUN GRANT CENTER Advancing the National Bioeconomy through Regional Sun Grant Centers Owens, Vance/Purdue-Dunning (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER Sun Grant Program - North Central Regional Center: Economic & Ecological Impacts of Woody Biomass Harvest in Deciduous Forest of the Central Hardwoods Region Owens, Vance/Rohila, J. **BIOLOGY & MICROBIOLOGY** Sun Grant Program - North Central Regional Center: Gene Discovery for Delayed Senescence in Bioenergy Crops for the Improvement of Total Biomass Production Owens, Vance/Rohila/TAMU(Rushton) (sub) **BIOLOGY & MICROBIOLOGY** Sun Grant Program - North Central Regional Center: Gene Discovery for Delayed Senescence in Bioenergy Crops for the Improvement of Total Biomass Production Owens, Vance/TX A&M-Blmnthl (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER Biomass Feedstock Regional Partnership: Energycane Owens, Vance/TX A&M-Wilson (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER Biomass Feedstock Regional Partnership: Energycane Owens, Vance/U GA-Boulton (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER Biomass Feedstock Regional Partnership: Energycane Biomass Feedstock Regional Partnership: Energycane Owens, Vance/U GA-Hanna (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER Owens, Vance/U H-Ogoshi/Tsuji (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER Biomass Feedstock Regional Partnership: Energycane Owens, Vance/UMN-Morey (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER The North Central Regional Sun Grant Center (Development of Logistics Systems for Sustainable Supply of Herbaceous and Woody Feedstocks) NORTH CENTRAL REGIONAL SUN GRANT CENTER Owens, Vance/University of Tennessee Advancing the National Bioeconomy through Regional Sun Grant Centers Sun Grant Program - North Central Regional Center: Soil & Environmental Responses to Dedicated Bioenergy Crops on Marginally Productive Croplands Owens, Vance/UNL-Blanco (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER **BIOLOGY & MICROBIOLOGY** Owens/Gibbons, William The North Central Regional Sun Grant Center: Energybeets: a new industrial sugar source for the production of advanced biofuels Owens/ISU-Darr (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER The North Central Regional Sun Grant Center: Improving biomass feedstock transportation efficiency, economic and emissions via real-time decision support tools and best management practices Owens/Kumar, Sandeep PLANT SCIENCE The North Central Regional Sun Grant Center: Evaluation of biomass and bioenergy production, environmental performance and life cycle analysis of Prairie Cordgrass Owens/Muthu, K. AGRICULTURAL & BIOSYSTEMS ENGINEERING The North Central Regional Sun Grant Center: Evaluation of biomass and bioenergy production, environmental performance and life cycle analysis of Prairie Cordgrass Owens/NDSU-Wiesenborn (sub) NORTH CENTRAL REGIONAL SUN GRANT CENTER The North Central Regional Sun Grant Center: Energybeets: a new industrial sugar source for the production of advanced biofuels Owens/Wei, Lin The North Central Regional Sun Grant Center: Evaluation of biomass and bioenergy production, environmental performance and life cycle analysis of Prairie Cordgrass AGRICULTURAL & BIOSYSTEMS ENGINEERING MRI: Acquisition of a Powder/Thin film X-ray Diffractometer for Alternative Energy Research and Education Qiao, Qiquan ELECTRICAL ENGINEERING & COMPUTER SCIENCE Catalyzing Environmental Engineering Education and Research Collaboration between South Dakota State University and Sinte Gleska University Rice, J./Min, K. **EPSCoR CHEMISTRY & BIOCHEMISTRY** Rice, James REU Site: Environmental/Green Chemistry **CHEMISTRY & BIOCHEMISTRY** REU Site: Environmental/Green Chemistry Rice, James Rice, James CHEMISTRY & BIOCHEMISTRY REU Site: Environmental/Green Chemistry (holding fund for unallocated participant support costs and years 2& 3 of the project) Rice, James/BHSU (sub) CHEMISTRY & BIOCHEMISTRY REU Site: Environmental/Green Chemistry Rice, James/NSU (sub) CHEMISTRY & BIOCHEMISTRY REU Site: Environmental/Green Chemistry REU: Collaborative Research: An Intelligent Restoration System for a Self-Healing Smart Grid (IRS_SG) - Participant Support Sun, Wei ELECTRICAL ENGINEERING & COMPUTER SCIENCE ELECTRICAL ENGINEERING & COMPUTER SCIENCE Sun, Wei Collaborative Research: An Intelligent Restoration System for a Self-Healing Smart Grid (IRS_SG) Tonkoski, Reinaldo ELECTRICAL ENGINEERING & COMPUTER SCIENCE Development of Reliable and Sustainable Microgrids

Twedt, Michael Wimberly, Michael Wingate, Steve Xu, Lan MECHANICAL ENGINEERING
GSCE Center of Excellence
ENGLISH
NATURAL RESOURCE MANAGEMENT

Investigation of Bio-char Production from Corn Stover Utilizing Torrefaction Technologies Towards Commercialization - Phase II Part B: Economic Analysis Francis Dwomoh Fellowship: Vulnerability of Protected Areas to Human Encroachment, Climate Change and Fire in the Fragmented Tropical Forests of West Africa 2015 Great Plains Writers' Conference (Inhabiting Earth:Writing, Environment, and Sustainability)

Bud Bank: A Promising New Ecological Approach for Controlling Invasive Plants and Improving Wildlife Habitat