

Department of Agronomy Hatch Projects

Investigator	Title	Start/Term Dates
Bigelow, C. A.	Optimizing Turfgrass performance with Reduced Nutrient and Management Inputs	2007/2012
Bowling, L. C.	The Hydrologic Consequences of Environmental Change	2004/2009
Brouder, S. M.	NC1032: Characterizing Active Soil Organic Matter Pools Controlling Soil N Availability in Maize-based Cropping Systems (NC218)	2006/2011
Brouder, S. M.; Turco, R. F.; Smith, D. R.; Ejeta, G.; Volenec, J. J.	Ecological Services of Agro-Biofuels; Productivity, Soil C Storage, And Air and water Quality	2008/2011
Ejeta, G.	Sorghum Breeding and Genetics	2004/2009
Grant, R. H.	Effects of Solar Ultraviolet Radiation on Bioaerosols, Plants and Plant Canopies	2006/2011
Grant, R. H.	The National Atmospheric Deposition Program (NADP)	2003/2009
Grant, R. H.	Impact of Climate and Soils on Crop selection and Management (NC1018)	2004/2009
Graveel, J. G.	Land Application of Biosolids, Fate of Heavy Metals	2004/2009
Housley, T. L.	Controlling Carbon Partitioning in Turf, Cereals and Sorghum Disease Resistance	2008/2013
Jackson, S. A.	Chromosome Structure in Soybean and Comparative Physical mapping to Other Legume Species	2006/2011
Jackson, S. A.; Vallejo, E.; Wing, R.	Genomics for Phaseolus as a Community Resource for Legume Researchers	2006/2009
Jiang, Y.	Physiological Adaptation of Turfgrasses to Environmental Stress	2005/2010
Joern, B.; Camberato, J. J.	Optimizing Nutrient Management and Improving Water Quality	2006/2011.
Johnson, K. D.	Utilizing Forages for Improved Crop and Livestock Production Systems	2004/2009
Johnston, C. T.	Molecular Mechanisms of Organic Contaminant Interactions in Soils	2007/2010
Kladivko, E. J.	Drainage Management and Cropping System Impacts on Nitrate Leaching, Soil and Water Quality, and Crop yields	2007/2012
Lee, B. D.	Spatial and Temporal Septic System Performance in Midwest Soils	2005/2010
Lee, L.S.; Nakatsu, C.; Engel, B.; Rao, G.S.	Environmental Behavior of Emerging Organic Chemicals of Concern	2005/2010
Lee, L.S.; Sassman, S. A.; Turco, F. F.	Evaluating the Physical and Biological Availability of Pesticides and Pharmaceuticals in Agricultural Contexts	2005/2010
Ma, J.	Development and Application of Genomics Tools for Soybean Germplasm Enhancement	2007/2012

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Nakatsu, C. H.	Genetic Changes and Adaptation of Oil Microbial Communities to Their Environment	2006/2011
Nakatsu, C. H.	Basic and Applied Aspects of Bacterial Source Tracking	2005/2010
Nielsen, R. L.	Agronomic Investigations in Corn Production Management Systems	2005/2010
Niyogi, D.	Multiscale Assessments of the Coupled Land Atmosphere Interactions for Weather and Climate Studies	2005/2010
Ohm, H. W.	Wheat and Oat Genetics and Breeding	2007/2012
Owens, P. R.	Soil Formation, Variability and Land Use in Relation to the Environment	2005/2009
Reicher, Z.	Integrated Turfgrass management	2004/2009
Schulze, D. G.	Impacts of an Acid Sulfate Weathering Event on Soils of Northwestern Indiana	2007/2012
Schulze, D. G.	The chemical and Physical nature of Particulate Matter Affecting Air, Water and Soil Quality	2004/2009
Schwab, A. P.; Lee, L. S.; Joern, B. C., Johnston, C.	Chemistry, Bioavailability, and Toxicity of Constituents in Residuals and Residual-Treated Soils	2004/2009
Snyder, L. U.	Economic, Environmental, Genetic, and Nutritional Aspects of Grass-fed Beef	2007/2009
Steinhardt, G. C.	Improved Crop and Livestock Management for Protecting the Non-Glaciaded Upper Mississippi Valley	2003/2008
Steinhardt, G. C.	Carbon Sequestration and Distribution in Soils and Eroded Landscapes	2004/2009
Szymanski, D. B.	The Control of the Actin Cytoskeleton During Cell Growth	2004/2009
Turco, R. F.	The Environmental Pathogens Information Network (EPINet)	2004/2009
Turco, R. F.; Tedesco, L.; Frankenberger, J. R.; Prokopy, L.; Shively, J.; Wilson, J.	Watershed-Scale Evaluation of BMP Effectiveness and Acceptability: Eagle Creek Watershed, Indiana	2006/2009
Volenec, J. J.	Regulation of Vegetative Storage Protein Synthesis in Alfalfa Taproots	2003/2008
Volenec, J. J.; Brouder, S.	Comparative Biofuel Productivity and Carbon, Nitrogen, and Water Economies of Switchgrass, Miscanthus, Maize, Sorghum, and a Low-Input, Big BI	2008/2013
Vyn, T. J.	Corn, Soybean, and Soil Quality Responses to Alternate Cropping Systems	2005/2010
Weil, C. F.; Shippen, D.	International Workshop on Plant DNA Repair and Recombination	2007/2008
Weil, C. F.; Tuinstra, M.	Improving Genetics of Corn	2006/2011