

AWARD REPORT

April 2023

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Project Title	Sponsor
Sandro Steinbach	CAFSNR	AES Agribusiness & Applied Economics		\$ 50,000.00	Workshop on Transforming Agricultural Global Value Chains	USDA National Institute of Food & Agriculture
Sandro Steinbach	CAFSNR	AES Agribusiness & Applied Economics		\$ 800,000.00	PARTNERSHIP: Global Implications of the Russia-Ukraine War for Agricultural Trade and Value Chains, Commodity Prices, and Cross-border Investment	USDA National Institute of Food & Agriculture
Xinhua Jia	CAFSNR	AES Agricultural & Biosystems Engineering		\$ 3,534.00	Assessing subsurface drainage systems using electromagnetic induction	Ellingson Companies
Miranda Meehan	CAFSNR	AES Animal Sciences	Erin Gaugler Lindsay Malone Michael Ostlie Kevin Sedivec	\$ 48,382.00	Enhancing Profitability of Soybean Production and Soil Health through Livestock Integration	ND Soybean Council
Kendall Swanson	CAFSNR	AES Animal Sciences		\$ 71,438.40	Acquisition of Goods and Services	USDA Agricultural Research Service
Kristin Simons	CAFSNR	AES Carrington Research / Extension Center	Michael Ostlie	\$ 8,000.00	Assessment of early planting and early-maturing hybrids as tools in management of the red sunflower seed weevil in North and South Dakota	National Sunflower Association
Michael Wunsch	CAFSNR	AES Carrington Research / Extension Center		\$ 27,020.00	Integrated management of root rot in field peas with planting date, crop rotation, and fungicide seed treatment	Northern Pulse Growers Association
Michael Wunsch	CAFSNR	AES Carrington Research / Extension Center	John Rickertsen	\$ 11,780.00	Management of root rots of field peas with crop rotation	Northern Pulse Growers Association
Venkata Chapara	CAFSNR	AES Langdon Research / Extension Center		\$ 7,422.00	The survey and management studies of Verticillium longisporum on canola	Northern Canola Growers Association
Venkata Chapara	CAFSNR	AES Langdon Research / Extension Center	Michael Wunsch	\$ 15,560.00	Management of white mold on canola using a vectorite vectored by honeybees	Northern Canola Growers Association
Brian Jenks	CAFSNR	AES North Central Research / Extension Center		\$ 1,400.00	Spring weed burndown options for sunflower 2023	National Sunflower Association
Brian Jenks	CAFSNR	AES North Central Research / Extension Center		\$ 15,000.00	2023 Weed Control Research in Pulse Crops	Northern Pulse Growers Association
Samuel Markell	CAFSNR	AES Plant Pathology	Febina Mathew	\$ 7,725.00	Determination of Rust (Puccinia Helianthi) Virulence in Northern Great Plains	National Sunflower Association
Shaobin Zhong	CAFSNR	AES Plant Pathology		\$ 112,637.00	Genetic Characterization and Field Evaluation of Fusarium Head Blight (FHB) Resistance in Spring Wheat	USDA Agricultural Research Service
Nonoy Bandillo	CAFSNR	AES Plant Sciences		\$ 180,944.00	Pulse Crops Breeding and Genetics Research for North Dakota	Northern Pulse Growers Association
Marisol Berti	CAFSNR	AES Plant Sciences		\$ 23,300.00	Agronomic and Molecular Responses of Maize and Sunflower to Competition with Cover Crops and Alfalfa	USDA Agricultural Research Service
Marisol Berti	CAFSNR	AES Plant Sciences	Barney Geddes	\$ 13,734.00	Evaluating Rotational Cropping Systems and their Impact on Soil Microbiota, Crop Yield and Ecosystem Benefits in Northern Agro-Ecosystems	USDA Agricultural Research Service
Marisol Berti	CAFSNR	AES Plant Sciences		\$ 74,793.00	Catalyzing Cover Crop Advancement as a Climate-Smart Practice through a National Variety Improvement and	USDA-NIFA / University of Missouri-Columbia
Michael Christoffers	CAFSNR	AES Plant Sciences		\$ 15,477.00	Transformation of Waterhemp Protoplasts: The Effects of Culture Conditions	ND Soybean Council
Harlene Hatterman-Valenti	CAFSNR	AES Plant Sciences		\$ 14,855.00	Completing the Grapevine Powdery Mildew Resistance Pipeline: From Genes-on-the-Shelf to Sticks-in-the-	USDA-NIFA / University of Minnesota

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Joseph Ikley	CAFSNR	AES Plant Sciences		\$ 15,000.00	Field-Scale Testing of Weed Identification and Mapping Tools for Accelerating Integrated Weed Management Research and Adoption	United Soybean Board / USDA Agricultural Research Service
Md Shahidul Islam	CAFSNR	AES Plant Sciences		\$ 11,695.00	2023 Hard Red Spring Wheat Regional Quality Survey	SD Wheat Commission
Md Shahidul Islam	CAFSNR	AES Plant Sciences		\$ 50,985.00	2023 Hard Red Spring and Durum Wheat Regional Crop Quality Survey	U.S. Wheat Associates Inc
Gideon Marais	CAFSNR	AES Plant Sciences	Clair Keene	\$ 57,405.00	Breeding Fusarium Head Blight (FHB) resistant hard winter wheat for North Dakota	USDA Agricultural Research Service
Thomas Peters	CAFSNR	AES Plant Sciences		\$ 117,854.00	Weed Control in Sugarbeet	Sugarbeet Research & Education Board of MN & ND
Md Mukhlesur Rahman	CAFSNR	AES Plant Sciences		\$ 14,542.00	Introgression of CMS and Restorer Genes into Genetically Diverged Breeding Lines for Inbred Lines	Northern Canola Growers Association
Asunta Thompson	CAFSNR	AES Plant Sciences	Harlene Hatterman-Valenti Julie Pashe	\$ 11,194.00	Development of Multipurpose Potato Cultivars with Enhanced Quality, Disease and Pest Resistance - North Central Region 2021-23	USDA-NIFA / Michigan State University
Mark Boetel	CAFSNR	AES School of Natural Resource Sciences		\$ 36,250.00	Sugarbeet Planter Test Stand Clinics	Sugarbeet Research & Education Board of MN & ND
Audrey Kalil	CAFSNR	AES Williston Research / Extension Center	Shana Forster John Rickertsen	\$ 24,440.00	Evaluation of planting date for chickpea yield and disease (year 3)	Northern Pulse Growers Association
Charlemagne Lim	CAFSNR	AES Williston Research / Extension Center	Thomas Peters Tyler Tjelde	\$ 7,632.00	Kochia Control with Ethofumesate in Sugarbeet	Sugarbeet Research & Education Board of MN & ND
James Staricka	CAFSNR	AES Williston Research / Extension Center	Gautam Pradhan	\$ 15,000.00	Sustainable No-till Cropping Systems Project	Crestwood Equity Partners LP
Ronald Haugen	CAFSNR	Ext Agribusiness & Applied Economics	Frayne Olson	\$ 5,000.00	North Central Extension Risk Management Education Center	USDA-NIFA / University of Nebraska-Lincoln
Miranda Meehan	CAFSNR	Ext Animal Sciences	Sean Brotherson Carolyn Hammer	\$ 217,138.00	ND NADPRP FAD Mortalities in ND	USDA Animal and Plant Health Inspection Services
Samuel Markell	CAFSNR	Ext Plant Pathology	Febina Mathew	\$ 20,000.00	North Central Integrated Pest Management Center (NCIPMC): A Regional Approach to Pest Management Implementation	USDA-NIFA / Iowa State University
Thomas Peters	CAFSNR	Ext Plant Sciences		\$ 89,192.00	Sugarbeet Extension Programs and Program Maintenance	Sugarbeet Research & Education Board of MN & ND
Andrew Robinson	CAFSNR	Ext Plant Sciences		\$ 12,500.00	Operational Needs for the Potato Extension Specialist	MN Area II Potato Growers
Andrew Robinson	CAFSNR	Ext Plant Sciences		\$ 12,500.00	Operational Needs for the Potato Extension Specialist	Northland Potato Growers Association
Christina Hargiss	CAFSNR	Ext School of Natural Resource Sciences	Jason Harmon	\$ 14,525.00	Trusted Advisors Leading Farmer Adoption of Soil Health Practices (Jan-Jun 2023)	Wal-Mart Foundation Inc. / Sustainable Food Lab
Supavich Pengnate	CBUS	Accounting & Information Systems		\$ 5,000.00	Dakota Digital Academy Grant Applications Round 3	Dept. of Treasury / ND University System Office
Yao Yu	CENG	Civil & Environmental Engineering	Zhili Gao	\$ 9,942.00	Needs Assessment Study of Low-Income North Dakota Individuals and Families	Community Action Partnership of ND
Jun Kong	CENG	Computer Science		\$ 5,000.00	Usable Security and Privacy	ND University System Office
Omid Beik	CENG	Electrical & Computer Engineering		\$ 309,604.00	Motor Design and Sensorless Control: A Partnership with CorVent	Corvent Medical, Inc

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Umamaheswara Rao Tida	CENG	Electrical & Computer Engineering		\$ 59,522.00	Subaward to NDSU: PFI-TT: Point-of-care sensor based on electric fields and machine learning for detection of circulating microRNA to identify early pancreatic cancer	NSF / Old Dominion University
Jennifer Iverson	CHP	Family Healthcare Pharmacy		\$ 40,000.00	Addressing the Prevention and Management of Diabetes, Heart Disease, and Stroke Through Clinical	CDC / ND Department of Health and Human Services
Kristine Steffen	CHP	Pharmaceutical Sciences		\$ 31,194.00	Reinforcement as a Prospective Predictor of Real-time Alcohol Abuse Following Bariatric Surgery	NIH / Sanford Research North
Sofia Wentz	CHSE	Health, Nutrition & Exercise Sciences	Shannon Misialiek	\$ 490.00	Anatomage Table as an Instructional Aid to Anatomy Classes	Mid-American Athletic Trainers' Association
Dean Webster	CSM	Coatings & Polymeric Materials	Shane Stafslie	\$ 15,000.00	Accelerated Biological Laboratory Performance Testing of Non-Toxic Marine Coatings	U.S. Navy
Andrew Croll	CSM	Physics	Wenjie Xia	\$ 56,381.00	Guided Energy Absorption in Crumpled Polymer Sheets	U.S. Army
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute		\$ 516,000.00	2023 ND LTAP Workplan	Federal Hwy Admin / ND Department of Transportation
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute		\$ 20,000.00	2023 ND Insurance Reserve Fund (NDRF) Contribution	ND Insurance Reserve Fund
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 4,945.00	ND Grain Movement Database: Corn Transportation	ND Corn Utilization Council