

AWARD REPORT

August 2021

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
Barney Geddes	AES&EXT	AES Microbiological Sciences	Thomas Baldwin Samiran Banerjee	\$ 41,062.00	Breeding potential for microbiome protection against Fusarium head blight	USDA Agricultural Research Service
David Bullock	AES&EXT	AES Agribusiness & Applied Econ	William Wilson	\$ 50,673.00	Strategies to Improve / Assure Performance of Soybean Purchases	ND Soybean Council
William Nganje	AES&EXT	AES Agribusiness & Applied Economics		\$ 17,473.64	Develop Farm Model to Conduct Policy Analysis for North Dakota & Northern Great Plains - Phase II	ND Soybean Council
William Wilson	AES&EXT	AES Agribusiness & Applied Economics		\$ 40,000.00	Marketing Consulting and Research Projects	ND Soybean Council
William Wilson	AES&EXT	AES Agribusiness & Applied Economics	David Bullock	\$ 79,871.00	Logistical Competition for Corn Export Shipments from the United States and Ukraine to Targeted International Markets	USDA Agricultural Marketing Service
Ademola Hammed	AES&EXT	AES Agricultural & Biosystems Engineering	Nurun Nahar	\$ 58,196.00	Development of Soy-formulate for organic ammonia production via hyper-ammonia-bacteria fermentation in a one-pot system	ND Soybean Council
Robert Maddock	AES&EXT	AES Animal Sciences	Kasey Maddock Carlin	\$ 30,994.00	Influence of carcass weight and external fat thickness on chilling rate and meat quality of beef carcasses	National Cattlemen's Beef Association
Michael Ostlie	AES&EXT	AES Carrington Research / Extension Center		\$ 9,828.00	Rotational Restrictions for S3100	Valent USA
Samiran Banerjee	AES&EXT	AES Microbiological Sciences	Aaron Daigh Blaine Schatz	\$ 295,000.00	Microbiome management for improved nutrient-use efficiency and water quality	ND Department of Environmental Quality
Barney Geddes	AES&EXT	AES Microbiological Sciences	Marisol Berti	\$ 38,241.00	Identification of rhizobium inoculants tailored for performance with new alfalfa varieties and diverse soil types	National Alfalfa & Forage Alliance
Barney Geddes	AES&EXT	AES Microbiological Sciences		\$ 3,724.00	Potential for combatting iron deficiency chlorosis with the soybean microbiome	ND Soybean Council
Thomas Baldwin	AES&EXT	AES Plant Pathology		\$ 25,000.00	Management and Innovative Research on Economically Important Barley Diseases	American Malting Barley Association
Julie Pasche	AES&EXT	AES Plant Pathology		\$ 27,630.00	Detection and Quantification of the Common Scab Pathogen in the Field	Nebraska Department of Agriculture
Julie Pasche	AES&EXT	AES Plant Pathology		\$ 26,460.00	Evaluate SS-7805, S-2204, and S-2271 at 50 and 100 g ai/ha for Control of Potato Early Blight	Valent USA
Shaobin Zhong	AES&EXT	AES Plant Pathology		\$ 48,620.00	Improving DGLA Production in Soybean for Pharmaceutical Applications	ND Soybean Council
Richard Horsley	AES&EXT	AES Plant Sciences		\$ 78,000.00	Breeding and Genetics of Two-Rowed Malting Barley	American Malting Barley Association
Richard Horsley	AES&EXT	AES Plant Sciences		\$ 41,000.00	Developing Bioinformatic Pipelines for Genomics-Assisted Breeding using Graphical User Interfaces	USDA Agricultural Research Service
Richard Horsley	AES&EXT	AES Plant Sciences		\$ 121,000.00	Acquisition of Goods and Services	USDA Agricultural Research Service
Richard Horsley	AES&EXT	AES Plant Sciences		\$ 59,483.00	Acquisition of Goods and Services	USDA Agricultural Research Service

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Xuehui Li	AES&EXT	AES Plant Sciences		\$ 39,790.00	Functional Studies of Candidate Genes Associated with Heterotic Yield Effects (Hybrid Vigor) in Canola	Northern Canola Growers Association / USDA Agricultural Research Service
Gideon Marais	AES&EXT	AES Plant Sciences		\$ 58,437.00	Transfer of FHB Resistance to NDSU Hard Red Spring Winter Wheat Breeding Material	USDA Agricultural Research Service
Md Rahman	AES&EXT	AES Plant Sciences		\$ 27,000.00	Investigating Deacclimation in Canola	Northern Canola Growers Association / USDA Agricultural Research Service
Kalidas Shetty	AES&EXT	AES Plant Sciences	Dipayan Sarkar	\$ 48,125.00	Identifying the Molecular Mechanisms Controlling Wound-Healing Processes to Improve Postharvest Quality of Potato	USDA Agricultural Research Service
Asunta Thompson	AES&EXT	AES Plant Sciences	Julie Pasche Gary Secor	\$ 57,000.00	National Processing Trials and Clonal Evaluations	Potatoes USA
Asunta Thompson	AES&EXT	AES Plant Sciences	Harlene Hatterman-Valenti William Nganje Julie Pasche Andrew Robinson Gary Secor	\$ 200,000.00	Development of Multipurpose Potato Cultivars with Enhanced Quality, Disease and Pest Resistance - North Central Region 2021-23	USDA-NIFA / Michigan State University
Mark Boetel	AES&EXT	AES School of Natural Resource Sciences		\$ 5,659.50	Acquisition of Goods and Services	USDA Agricultural Research Service
Jerald Bergman	AES&EXT	AES Williston Research / Extension Center		\$ 30,000.00	WREC Seed Conditioning Facility	Western Cooperative Credit Union
Lindsey Leker	AES&EXT	Ext Center for 4-H Youth Development		\$ 9,957.00	Growing a CS Pathway for America's Youth 2021	National 4-H Council
Aaron Field	AES&EXT	Ext Center for Community Vitality	Lynette Flage	\$ 501,211.00	North Dakota Soil Conservation District Area Leadership Coordinator Program	EPA / ND Department of Environmental Quality
Lynette Flage	AES&EXT	Ext Directors Office	Marc Bauer Richard Horsley Carrie Johnson Jack Rasmussen Charles Stoltenow	\$ 385,709.00	Joint Extension Positions with University of MN	USDA-NIFA / University of Minnesota
Julie Garden-Robinson	AES&EXT	Ext Food & Nutrition		\$ 2,000.00	Eat Smart. Play Hard with Beef	ND Beef Commission
Julie Garden-Robinson	AES&EXT	Ext Food & Nutrition		\$ 5,000.00	Cottage Food Extension Outreach 2021-22	USDA Rural Development / Iowa State University
Nicole Johnson	AES&EXT	Ext Food & Nutrition		\$ 135,221.00	National Diabetes Prevention Program -1815 - Year 4	CDC / ND Department of Health
Brian Sorenson	CAFSNR	Northern Crops Institute		\$ 7,500.00	Int-Soy Education Course FY22	ND Soybean Council
Daniel Pemstein	CAHSS	Political Science		\$ 315,053.00	Collaborative Research: HNDS-I: The Digital Society Project: Infrastructure for Measuring Internet Politics	National Science Foundation
Angela Smith	CAHSS	History, Philosophy & Religious Studies		\$ 7,100.00	Bonanzaville Graduate Assistantship Partnership FY22	Bonanzaville

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David Grewell	CENG	Industrial & Manufacturing Engineering	Alan Kallmeyer Chad Ulven Dean Webster	\$ 151,000.00	IUCRC Phase II at North Dakota State University: Center for Bioplastics and Biocomposites [CB2]	National Science Foundation
Jessica Vold	CENG	Mechanical Engineering	Ali Amiri Yildirim Suzen	\$ 26,000.00	M2M X-Hab 2022 Academic Innovation Challenge Power Rover Project	NASA / National Space Grant Foundation
Sanku Mallik	CHP	Pharmaceutical Sciences	Sathish Venkatachalem Megan Orr	\$ 645,272.00	Echogenic polymersomes for triggered contents release	National Institutes of Health
Kelly Buettner-Schmidt	CHP	Nursing	Donald Miller Megan Orr Kolby Fraase	\$ 168,843.00	Collaborative Tobacco Prevention and Control Activities 2021 - 2022	HRSA / ND Department of Health
Paul Carson	CHP	Public Health	Kylie Hall	\$ 126,003.00	North Dakota Increasing Immunization Rates Project	CDC / ND Department of Health
Paul Carson	CHP	Public Health		\$ 127,984.00	Antibiotic Resistance Prevention Program and Promotion of Appropriate Antibiotic Use	CDC / ND Department of Health
Ramona Danielson	CHP	Public Health		\$ 15,000.00	NDDOH Promoting Health Equity Yr2 (CFDA 93.940)	CDC / ND Department of Health
Ramona Danielson	CHP	Public Health		\$ 69,375.00	NDDOH Promoting Health Equity Yr2	HRSA / ND Department of Health
Pamela Johnson	CHP	Public Health		\$ 789,402.00	COVID 19 Response	Department of Treasury / ND Department of Health
Stefanie Meyer	CHP	Public Health		\$ 72,000.00	COVID-19 Student Projects	CDC / ND Department of Health
Kyle Johnson Hackney	CHSE	Health, Nutrition & Exercise Sciences		\$ 28,339.00	A Comparison of Blood Flow, Muscle Oxygen Saturation, and Energy Metabolism with Hands-Free Crutches Compared to Traditional Crutches, Medical Knee Scooters, and Normal Ambulation	iWALKFree, Inc.
Mari Borr	CHSE	School of Education	Adam Marx	\$ 30,000.00	North Dakota Career and Technical Education Teacher Induction Program	ND Department of Career & Technical Education
Kendra Greenlee	CSM	Biological Sciences		\$ 68,244.00	Acquisition of Goods and Services	USDA Agricultural Research Service
Britt Heidinger	CSM	Biological Sciences		\$ 39,820.00	Collaborative Research: Parental Effects, Telomere Dynamics, and the Cross-generational Consequences of Stressors	National Science Foundation
Marinus Otte	CSM	Biological Sciences	Xuefeng Chu	\$ 190,072.00	Wetlands for reduction of sediment and nutrient loadings in impaired watersheds	Environmental Protection Agency
Christopher Colbert	CSM	Chemistry and Biochemistry		\$ 290,000.00	Structural Basis for Cell Surface Signaling by a Gram-negative Bacteria Sigma-regulator	National Institutes of Health
Andriy Voronov	CSM	Coatings & Polymeric Materials		\$ 19,791.00	All-Soy-One-Component Bioplastics for Food Packaging	ND Soybean Council
Benjamin Laabs	CSM	Geosciences	Bernhardt Saini-Eidukat Scott Wood	\$ 202,374.00	Acquisition of X-Ray Fluorescence and Inductively-Coupled Plasma Optical Emission Spectrometers for geoscience research at North Dakota State University	National Science Foundation
Debra Habedank	Misc	Center for Child Development		\$ 593.71	USDA Child and Adult Care Food Program	USDA-FNS / ND Department of Public Instruction

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Kelly Rusch	Misc	North Dakota EPSCoR	Jean Ostrom-Blonigen	\$ 85,500.00	NDSU NASA EPSCoR funding (FY22)	NDUS System Office / University of North Dakota
Kelly Rusch	Misc	North Dakota EPSCoR		\$ 630,000.00	ND EPSCoR State Office Leveraged FY22-23	ND University System Office
Kelly Rusch	Misc	North Dakota EPSCoR		\$ 2,212,875.00	ND EPSCoR State Office FY22-23	ND University System Office
Thomas Claeys	Misc	North Dakota Forest Service	Lezlee Johnson Elizabeth Smith	\$ 300,000.00	North Dakota Statewide Windbreak Renovation Initiative 2.0	ND Industrial Commission
Stacy Duffield	Misc	Office of Teaching and Learning		\$ 600.00	Teacher Preparation Common Metrics: Partnership with Alaska Pacific University	Alaska Pacific University
Jane Schuh	Misc	VP for Research		\$ 399,850.00	NDSU's INBRE Subaward: Undergraduate Research	NIH / University of North Dakota
Marianne Quittschreiber	Misc	Wellness Center		\$ 883.88	NDSU Wellness Center Child Care ND Food Program	USDA-FNS / ND Department of Public Instruction
Marianne Quittschreiber	Misc	Wellness Center		\$ 891.67	NDSU Wellness Center Child Care ND Food Program	USDA-FNS / ND Department of Public Instruction
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute	Timothy Horner	\$ 385,330.00	Township Transportation Funding Program (TTFP)	ND Department of Transportation
Brenda Lantz	UGPTI	Upper Great Plains Transportation Institute	Kimberly Vachal	\$ 10,680.00	NDHP Commercial Vehicle Safety Plan Review and Truck Crash Analysis for 2021-2022	Federal Motor Carrier Safety Administration / ND Highway Patrol
Denver Tolliver	UGPTI	Upper Great Plains Transportation Institute		\$ 159,672.00	LVC Pilot Study	ND Department of Transportation
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 5,032.00	Grain Movement Database: Soybean Transportation	ND Soybean Council
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 35,000.00	Wheat Transportation Research	ND Wheat Commission
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 3,900.00	Northern Plains Railroad Grain Movement	Northern Plains Railroad