

AWARD REPORT

October 2022

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Project Title	Sponsor
William Nganje	AES & EXT	AES Agribusiness & Applied Econ		\$ 12,500.00	Farm Model to Conduct Policy Analysis (CAPTS-211MD)	ND Soybean Council
Kenneth Hellevang	AES & EXT	AES Agricultural & Biosystems CENG		\$ 126,480.00	Evaluating the Allowable Storage Time of Selected Soybean Varieties	United Soybean Board
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center	Venkata Chapara Brian Jenks	\$ 128,884.00	Optimizing the deployment of fungicides for management of foliar diseases in field peas	USDA-AMS / ND Department of Agriculture
Benjamin Geaumont	AES & EXT	AES Hettinger Research / Extension Center		\$ 45,000.00	Seed Collection and Propagation	Forest Service
Birgit Pruess	AES & EXT	AES Microbiological Sciences	Barney Geddes Shelley Horne	\$ 190,007.00	Specialty Crop Block Grant Program - Farm Bill Activities - Adding pre-biotics to pro-biotics: chemoattractants support rhizosphere bacteria,	USDA-AMS / ND Department of Agriculture
Brian Jenks	AES & EXT	AES North Central Research / Extension Center		\$ 57,311.00	Specialty Crop Block Grant Program - Farm Bill Activities - Utilizing rye cover crop and fall-applied herbicides to control winter annual weeds and kochia.	USDA-AMS / ND Department of Agriculture
Malaika Ebert	AES & EXT	AES Plant Pathology	Nonoy Bandillo	\$ 312,883.00	Molecular Approaches to Identify Ascochyta Resistance in Chickpea	USDA-AMS / ND Department of Agriculture
Upinder Gill	AES & EXT	AES Plant Pathology	Malaika Ebert Samuel Markell Juan Osorno	\$ 192,347.00	Strategic Management of Dry Bean Rust: Pathogen Surveillance, Host Genetics, and Economics of Resistance	USDA-AMS / ND Department of Agriculture
Mohamed Khan	AES & EXT	AES Plant Pathology		\$ 30,000.00	Assessment of Genetic Variations of Rhizoctonia Solani Subgroup AG2 Isolates with Genome Fingerprinting Methods	USDA Agricultural Research Service
Febina Mathew	AES & EXT	AES Plant Pathology		\$ 353,075.00	Seedling Pathogens in Soybean: Disease Management and Farmer Education	United Soybean Board
Julie Pasche	AES & EXT	AES Plant Pathology		\$ 197,715.00	Specialty Crop Block Grant Program - Farm Bill Activities - Improving Management of Two Important Foliar Leaf Spotting Disease of Potatoes	USDA-AMS / ND Department of Agriculture
Guiping Yan	AES & EXT	AES Plant Pathology	Juan Osorno	\$ 126,062.00	Identifying Dry Bean Germplasm and Genomic Regions with Resistance to New Soybean Cyst Nematode Populations	USDA-AMS / ND Department of Agriculture
Harlene Hatterman-Valenti	AES & EXT	AES Plant Sciences	Dipayan Sarkar Kalidas Shetty	\$ 105,095.00	Evaluating New Brassica Cultivars Yields and Health Attributes to Increase Opportunities for Local Foods	USDA-AMS / ND Department of Agriculture
Phillip McClean	AES & EXT	AES Plant Sciences		\$ 153,615.00	Genomic Analysis of Septoria Nodorum Blotch Susceptibility Genes in Wheat	USDA Agricultural Research Service
Juan Osorno	AES & EXT	AES Plant Sciences	Phillip McClean	\$ 153,867.89	Genetic Improvement of Dry Beans for Bruchid Resistance for Southern Africa	USAID / Michigan State University
Md Mukhlesur Rahman	AES & EXT	AES Plant Sciences	Joao Cassol Flores	\$ 75,900.00	Harnessing Data for Accurate Yield and Oil Content Prediction	USDA-NIFA / University of California - Los Angeles
Andrew Robinson	AES & EXT	AES Plant Sciences		\$ 141,392.00	Specialty Crop Block Grant Program - Farm Bill Activities - Defining Verticillium on Tubers with Image Analysis During Bulking	USDA-AMS / ND Department of Agriculture

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Andrew Robinson	AES & EXT	AES Plant Sciences		\$ 132,368.00	Fumigation Effects on Carryover of Herbicides in Potato Production	USDA-AMS / ND Department of Agriculture
Kalidas Shetty	AES & EXT	AES Plant Sciences	Dipayan Sarkar	\$ 42,482.00	Metabolic Strategies for Improving Soybean Abiotic Stress Cross Tolerance	United Soybean Board
Todd West	AES & EXT	AES Plant Sciences		\$ 58,919.00	Evaluating Aronia for Ornamental and Edible Use for North Dakota	USDA-AMS / ND Department of Agriculture
Thomas DeSutter	AES & EXT	AES School of Natural Resource Sciences	Barney Geddes Juan Osorno	\$ 160,380.00	Identifying dry beans and Rhizobia that can withstand soil salinity and waterlogging	USDA-AMS / ND Department of Agriculture
David Hopkins	AES & EXT	AES School of Natural Resource Sciences		\$ 60,000.00	2023 National Cooperative Soil Survey (NCSS) Conference in Bismarck, ND	USDA Natural Resources Conservation Service
Audrey Kalil	AES & EXT	AES Williston Research / Extension Center	Nonoy Bandillo	\$ 84,438.00	Screening for pea root rot disease resistance in newly-developed NDSU breeding lines and germplasm	USDA-AMS / ND Department of Agriculture
Andrew Thostenson	AES & EXT	Extension Agricultural & Natural Resources		\$ 51,000.00	Administration and enhancement of pesticide applicator training and certification program for North Central Farm and Ranch Stress Assistance Center: Engaging Programs to Support Producer Wellbeing	Environmental Protection Agency
Sean Brotherson	AES & EXT	Extension CDFS	Lynette Flage	\$ 137,922.00	North Central Farm and Ranch Stress Assistance Center: Engaging Programs to Support Producer Wellbeing	USDA-NIFA / University of Illinois - Urbana Champaign
Megan Ditterick	AES & EXT	Extension Food & Nutrition	Ramona Danielson Mary Larson	\$ 558,750.00	Promoting Healthy Outcomes through Indigenous Food Systems	Center for Disease Control
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition		\$ 40,000.00	Childhood Obesity Prevention	CDC / ND Department of Health
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition		\$ 1,000.00	Eat Smart. Play Hard with Dairy	Midwest Dairy Association
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition		\$ 46,710.00	Promoting Safe Practices through Preservation of Food and Native American Culture	USDA-NIFA / Cankdeska Cikana Community College
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition	Harlene Hatterman-Valenti	\$ 86,019.00	SCBGP: North Dakota Garlic From Field to Fork	USDA-AMS / ND Department of Agriculture
Kimberly Bushaw	AES & EXT	Extension HD General	Sean Brotherson	\$ 194,354.00	Community-Based Child Abuse Prevention	Administration for Children and Families / ND Department of Human Services
Samuel Markell	AES & EXT	Extension Plant Pathology		\$ 250,000.00	The Tode Load Tool and Tode Load Tour	United Soybean Board
Carrie Miranda	AES & EXT	Extension Plant Sciences		\$ 24,706.00	Soybean Symposium Sponsorship	ND Soybean Council
Omid Beik	CENG	Electric & Computer Engineering		\$ 37,584.00	Study of Multiphase Magnetics and Controls for MW-Scale Generator, An Extension from: Multiphase MW Generator for Improved Power Density and Increased Reliability by, Reduced DC Capacitive Filt	NASA / University of North Dakota
Omid Beik	CENG	Electric & Computer Engineering		\$ 82,739.00	A Series Hybrid Electric Propulsion for an eVTOL Using a Fault Tolerant 9-phase Generator	NASA / University of North Dakota

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Benjamin Braaten	CENG	Electric & Computer Engineering		\$ 119,999.00	Analytical Model Development on Propagation in Biological Tissue	U.S. Air Force / University of Dayton
Ying Huang	CENG	Electric & Computer Engineering	Long Jiang Zhibin Lin	\$ 1,000,000.00	All-in-One Multifunctional Cured-In-Place Structural Liner for Rehabilitating of Aging Cast Iron Pipelines	Pipeline and Hazardous Materials Safety
Kelly Rusch	CENG	Electric & Computer Engineering		\$ 759,704.00	NSF INCLUDES Alliance: Cultivating Indigenous Research Communities for Leadership in Education and STEM (CIRCLES) Alliance	NSF / University of Montana
Dali Sun	CENG	Electric & Computer Engineering		\$ 160,603.00	ExoIPThT, Secondary Structure of Exosomal Protein for Noninvasive Cancer Detection	NIH / University of North Dakota
Daniel Friesner	CHP	Deans Office		\$ 1,049.37	Scholarship Challenge Grant - Jim and Mary Quick Spenningsby Pharmacy Endowed Scholarship	NDSU Foundation
Jennifer Iverson	CHP	Family Healthcare Pharmacy		\$ 10,000.00	Addressing the Prevention and Management of Diabetes, Heart Disease, and Stroke Through Clinical Pharmacy Interventions	CDC / ND Department of Health
Estelle Leclerc	CHP	Pharmaceutical Sciences		\$ 159,999.00	Effects of RAGE inhibition during melanoma chemotherapy in a patient-oriented study	NIH / University of North Dakota
Sathish Venkatachalem	CHP	Pharmaceutical Sciences		\$ 21,579.00	Dakota Cancer Collaborative on Translational Activity	NIH / University of North Dakota
Rebecca Brynjulson	CHP	Pharmacy Practice		\$ 10,805.00	Geriatrics Workforce Enhancement Program	HRSA / University of North Dakota
Brody Maack	CHP	Pharmacy Practice	Lisa Nagel Ellen Rubinstein Elizabeth Skoy	\$ 80,600.00	MTM Billing	CDC / ND Department of Health
Elizabeth Skoy	CHP	Pharmacy Practice		\$ 35,100.00	Implementation of a strep-A "test-to-treat" program within community pharmacies	Checkable Medical
Paul Carson	CHP	Public Health		\$ 142,104.00	Antibiotic Resistance Prevention Program and Promotion of Appropriate Antibiotic Use	CDC / ND Department of Health
Joel Hektner	CHSE	Human Development & Family Science		\$ 75,000.00	Evaluation of 21st Century Community Learning Center After-school Programs in North Dakota Year 2	Department of Education / ND Department of Public Instruction
Jennifer Momsen	CSM	Biological Sciences		\$ 19,041.00	Collaborative Research: Systems thinking in undergraduate biology	National Science Foundation
Mohiuddin Quadir	CSM	Coatings & Polymeric Materials		\$ 139,103.00	Chemotherapy delivery via engineered 'Nano-missiles' for halting Progression of Pancreatic Cancer	NIH / University of North Dakota

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Jeremy Hamm	CSM	Psychology	Katherine Duggan	\$ 80,268.00	Perceived Control and Cognitive Aging: Pathways to Preserve Cognitive Functioning and Reduce Risk of Alzheimers Disease in Socioeconomically Diverse Populations	NIH
Lisa Eggebraaten	Misc	Library		\$ 1,088.00	Human Experiences: The Legacy of the Relocation and Termination Era	NEH / Humanities of North Dakota
Green Bilen-Green	Misc	Office of the Provost	Roman Danielson Kelly Sassi Charles Stoltenow	\$ 151,792.00	Making Good: Delivering Educational Equity For & With Indigenous Tribal Students & Communities	USDA National Institute of Food & Agriculture
Green Bilen-Green	Misc	Office of the Provost	Peter Lardy	\$ 189,200.00	Circling Back, Affording Tribal Students Opportunities to Flourish	USDA National Institute of Food & Agriculture
Matthew Sanchez	Misc	Student Financial Services		\$ 1,049.37	Scholarship Challenge Grant - James R. and Anna S. Quick Agriculture Endowed Scholarship	NDSU Foundation
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute		\$ 625,000.00	Proposal for the Northern Region Tribal Technical Assistance Program (TTAP) Center	Federal Highway Administration
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 241,128.00	Rural Truck Safety Education and Outreach Partnership, Demonstration Project	Federal Motor Carrier Safety Administration
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute	Brenda Lantz Satpal Wadhwa	\$ 10,708.00	NDHP Commercial Vehicle Safety Plan Review and Safe System Truck Crash Analysis	Federal Motor Carrier Safety Administration / ND Highway Patrol
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 326,590.00	Assessment and Empirical Support for Behavioral Programs in ND Traffic Safety (20.616)	National Highway Traffic Safety Administration / ND Department of Transportation
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 126,170.00	Assessment and Empirical Support for Behavioral Programs in ND Traffic Safety (20.600)	National Highway Traffic Safety Administration / ND Department of Transportation
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 56,430.00	NDDOT Occupant Protection and Driver Education Assessment, FY2023 (20.616)	National Highway Traffic Safety Administration / ND Department of Transportation
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 83,160.00	NDDOT Occupant Protection and Driver Education Assessment, FY2023 (20.600)	National Highway Traffic Safety Administration / ND