

AWARD REPORT

September 2020

PI Name	PI Department	PI College	Co-PI(s)	Award Amount	Title	Sponsor Name
Shafiqur Rahman	AES Agricultural & Biosystems Engineering	AES&EXT		\$5,998.00	Microbial Fuel Cell (MFC) for Bioelectricity Generation and Pollutants Removal from Wastewater (SBPW)	Bangladesh Agricultural Research Council
Dean Steele	AES Agricultural & Biosystems Engineering	AES&EXT	Paulo Flores Xinhua Jia Thomas Sherer	\$164,500.00	Building NRCS Technical Capacity in Irrigation Water Management for Variable Rate Irrigation	Natural Resources Conservation Service
Dean Steele	AES Agricultural & Biosystems Engineering	AES&EXT	Paulo Flores Xinhua Jia Thomas Sherer	\$163,613.00	Building NRCS Technical Capacity in Irrigation Water Management for Variable Rate Irrigation - 2	Natural Resources Conservation Service
Joel Caton	AES Animal Sciences	AES&EXT	Kendall Swanson Alison Ward	\$185,342.00	Strengthening research infrastructure in cellular and tissue metabolism through improving analytical capability and capacity in agricultural sciences	National Institute of Food & Agriculture
Michael Wunsch	AES Carrington Research / Extension Center	AES&EXT		\$1,500.00	Improved White Mold Resistance in Dry and Snap Beans Through Multi-Site Screening and Pathogen Characterization Throughout Major Production Areas	USDA-ARS / University of Nebraska-Lincoln
John Rickertsen	AES Hettinger Research / Extension Center	AES&EXT	Eric Eriksmoen Bryan Hanson Herman Kandel Glenn Martin Michael Ostlie Tyler Tjelde Cameron Wahlstron	\$10,500.00	North Dakota Flax Variety Trials	AmeriFlax
Christopher Schauer	AES Hettinger Research / Extension Center	AES&EXT		\$20,000.00	Collaborative Cattle Research Between ARS and NDSU-Hettinger Research Extension Center	Agricultural Research Service
Thomas Baldwin	AES Plant Pathology	AES&EXT		\$37,500.00	Spring Malting Barley Resistance to Fusarium Head Blight and Spot Form Net Blotch	Agricultural Research Service
Luis Del Rio Mendoza	AES Plant Pathology	AES&EXT	Venkata Chapara Eric Eriksmoen Michael Ostlie Md Mukhlesur Rahman Jasper Teboh Szilvia Yuja	\$297,370.00	Strengthening Canola Profitability in North Central US	National Institute of Food & Agriculture
Marisol Berti	AES Plant Sciences	AES&EXT		\$66,402.00	Alfalfa Management Practices and Their Effect on Arbuscular Mycorrhizal Populations - Towards Improving Health, Productivity, and Sustainability of Alfalfa Production	National Institute of Food & Agriculture
Bingcan Chen	AES Plant Sciences	AES&EXT	Minwei Xu	\$76,520.00	Development of Meat Analogues with Germinated Pulse Protein Extracts	Agricultural Research Service

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Harlene Hatterman-Valenti	AES Plant Sciences	AES&EXT	Kalidas Shetty	\$24,853.00	Examine Ten Photoperiod and Two Autoflower Hemp CBD Cultivars to Compare Production Levels in High Tunnels and Open Fields at Opposing East/West Locations in North Dakota	ND Department of Agriculture / Dakota College at Bottineau
Burton Johnson	AES Plant Sciences	AES&EXT		\$10,000.00	IR4 Testing 2019/2020	USDA-NIFA / Michigan State University
Phillip McClean	AES Plant Sciences	AES&EXT	Juan Osorno	\$75,269.00	Enhancing the Nutritional and Functional Traits of Dry Bean through Metabolomics, Genetics, and Breeding	Agricultural Research Service
Phillip McClean	AES Plant Sciences	AES&EXT	Juan Osorno	\$53,029.00	Developing the Next Generation of Flavonoid Enhanced Dry Beans	Agricultural Research Service
Md Mukhlesur Rahman	AES Plant Sciences	AES&EXT		\$27,830.00	Investigating Deacclimation in Canola	Northern Canola Growers Association / USDA Agricultural Research Service
Md Mukhlesur Rahman	AES Plant Sciences	AES&EXT		\$10,698.00	Introgression of CMS and Restorer System into Double Haploid and Elite Canola Breeding Lines for Hybrid Development	Northern Canola Growers Association
Kalidas Shetty	AES Plant Sciences	AES&EXT	Dipayan Sarkar	\$910.00	Improving Abiotic Stress Resilience and Nutrient Utilization Efficiency in Dry Beans	Northharvest Bean Growers Association
Kalidas Shetty	AES Plant Sciences	AES&EXT	Dipayan Sarkar	\$32,007.00	Biological Elicitation to Improve Abiotic Stress Resilience in Soybean	United Soybean Board
Senay Simsek	AES Plant Sciences	AES&EXT		\$10,500.00	2020 Hard Red Spring Wheat Regional Quality Survey	SD Wheat Commission
Caley Gasch	AES School of Natural Resource Sciences	AES&EXT	Abbey Wick	\$8,300.00	Does flax promote beneficial symbiotic fungi and improve soil health?	AmeriFlax
Darrell Ross	AES School of Natural Resource Sciences	AES&EXT		\$15,000.00	Evaluation of silver fly predators, <i>Leucopis argenticollis</i> and <i>Leucopis piniperda</i> , of <i>Adelges tsugae</i> in the Pacific Northwest, as biological controls in the eastern US	Forest Service
Jerald Bergman	AES Williston Research / Extension Center	AES&EXT		\$300,000.00	WREC Seed Conditioning Facility	Williams County
Audrey Kalil	AES Williston Research / Extension Center	AES&EXT		\$17,243.00	Assessment of Soil Health and Nitrogen Economy in Lentil and Pea Cropping Systems	Agricultural Research Service
Andrew Thostenson	Ext Agricultural & Natural Resources	AES&EXT		\$51,000.00	Administration and enhancement of pesticide applicator training and certification Program #04111	Environmental Protection Agency
Andrew Thostenson	Ext Agricultural & Natural Resources	AES&EXT		\$51,185.00	EPA Multi Purpose Grant --Pesticide Applicator Certification and Training, Training Tools. Program #04111	Environmental Protection Agency
Julie Garden-Robinson	Ext Food & Nutrition	AES&EXT		\$3,600.00	2020-21 Implementing FSMA in North Dakota	ND Department of Agriculture
Samuel Markell	Ext Plant Pathology	AES&EXT	Andrew Friskop Janet Knodel	\$25,000.00	Great Plains Plant Diagnostic Network	USDA-NIFA / Kansas State University

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Samuel Markell	Ext Plant Pathology	AES&EXT		\$160,760.00	Determination of Impact, Return on Investment for the SCN Coalition, and Future Planning for the SCN Coalition and the National Soybean Strategic Plan	United Soybean Board
Brian Sorenson	Northern Crops Institute	CAFSNR		\$4,000.00	Video Based Educational Material for INT SOY - MNSBRP	MN Soybean Research & Promotion Council / American Soybean Association
Brian Sorenson	Northern Crops Institute	CAFSNR		\$16,900.00	Video Based Educational Material	American Soybean Association
Brian Sorenson	Northern Crops Institute	CAFSNR		\$5,000.00	Video Based Educational Material for INT SOY	American Soybean Association
Brian Sorenson	Northern Crops Institute	CAFSNR		\$1,000.00	Video Based Educational Material for INT SOY - USB	American Soybean Association
Nancy Hodur	Center for Social Research	CAHSS	Dean Bangsund	\$50,730.00	Economic Contribution and Workforce Characteristics of the Lignite Energy Industry in North Dakota	Lignite Energy Council
Justin Walden	Communication	CAHSS		\$2,800.00	Employee communication in the era of COVID-19: Studying workers' responses to leadership communication and peer communication exchanges	Pennsylvania State University
Kelly Rusch	Civil & Environmental Engineering	CENG		\$185,330.00	Collaborative Research: Cultivating Indigenous Research Communities for Leadership in,	National Science Foundation
Carla Gross	Nursing	CHP		\$147,291.21	North Dakota Nursing Education Consortium Agreement 2020-2021	University of North Dakota
Sanku Mallik	Pharmaceutical Sciences	CHP	Megan Orr Sathish Venkatachalem	\$330,219.00	Echogenic polymersomes for triggered contents release	National Institutes of Health
Elizabeth Skoy	Pharmacy Practice	CHP		\$20,000.00	Prepare Pharmacies in North Dakota to assist their patients in response to COVID 19.	ND Board of Pharmacy
Elizabeth Skoy	Pharmacy Practice	CHP		\$16,000.00	Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke Grant	North Dakota Pharmacy Service Corporation
Amy Werremeyer	Pharmacy Practice	CHP		\$5,000.00	Project ECHO Opioid Use 2019-2020	SAMHSA / University of North Dakota
Stacy Duffield	School of Education	CHSE		\$800.00	Teacher Preparation Common Metrics: Partnership with Queens College	Queens College
Laura Aldrich-Wolfe	Biological Sciences	CSM		\$3,702.00	USGS-USFWS Science Support Partnership Grant: Below-ground mutualisms to support	U.S. Geological Survey
Jennifer Momsen	Biological Sciences	CSM		\$333,574.00	Collaborative Research: Systems thinking in undergraduate biology	National Science Foundation

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Dean Webster	Coatings & Polymeric Materials	CSM		\$43,192.80	Modified High Oleic Soybean Oil to Increase the Use of Recycled Crumb Rubber	United Soybean Board / Ford Motor Company
Benjamin Laabs	Geosciences	CSM		\$279,502.00	Collaborative Research: Early Career Geoscience Faculty Development Workshop: A partnership between NAGT and NSF	National Science Foundation
Debra Habedank	Center for Child Development	Misc		\$522.43	USDA Child and Adult Care Food Program	USDA-FNS / ND Department of Public Instruction
Debra Habedank	Center for Child Development	Misc		\$508.09	USDA Child and Adult Care Food Program	USDA-FNS / ND Department of Public Instruction
Kelly Rusch	North Dakota EPSCoR	Misc	Jean Ostrom-Blonigen	\$85,500.00	NASA EPSCoR FY21	NDUS / University of North Dakota
Thomas Claeys	North Dakota Forest Service	Misc		\$88,000.00	NDFS/DPG Woodlands and Grasslands Sustainability Agreement	Forest Service
Benjamin Shapiro	TRIO	Misc		\$297,601.00	Upward Bound Project	Department of Education
Sara Mwangura	Wellness Center	Misc		\$527.39	NDSU Wellness Center Child Care ND Food Program	USDA-FNS / ND Department of Public Instruction
Marianne Quittschreiber	Wellness Center	Misc		\$527.39	NDSU Wellness Center Child Care ND Food Program	USDA-FNS / ND Department of Public Instruction
Dale Heglund	Upper Great Plains Transportation Institute	UGPTI		\$41,400.00	2020-2021 NDLTAP Program	USDOT / ND Department of Transportation
Jill Hough	Upper Great Plains Transportation Institute	UGPTI		\$473,300.00	Small Urban, Rural and Tribal Center on Mobility	USDOT / Montana State University
Christopher Padilla	Upper Great Plains Transportation Institute	UGPTI		\$393,245.00	Transportation Learning Network 2020-2021 Contract Amendment for October 01, 2020 thru June 30, 2021	USDOT / ND Department of Transportation
Kimberly Vachal	Upper Great Plains Transportation Institute	UGPTI	Seguy Tchakounte-Wakem Satpal Wadhwa Singh	\$66,411.00	ND Traffic Safety: Occupant Protection Surveys	National Highway Traffic Safety Administration / ND Department of Transportation
Kimberly Vachal	Upper Great Plains Transportation Institute	UGPTI	Seguy Tchakounte-Wakem	\$55,994.00	Assessment and empirical support for behavioral programs in ND traffic safety	National Highway Traffic Safety Administration / ND Department of Transportation
Kimberly Vachal	Upper Great Plains Transportation Institute	UGPTI	Seguy Tchakounte-Wakem	\$97,951.00	Assessment and empirical support for behavioral programs in ND traffic safety assessment and empirical support for behavioral programs in ND traffic safety	National Highway Traffic Safety Administration / ND Department of Transportation
Kimberly Vachal	Upper Great Plains Transportation Institute	UGPTI		\$55,490.00	ND Traffic Safety: Occupant Protection Surveys	National Highway Traffic Safety Administration / ND Department of Transportation
Kimberly Vachal	Upper Great Plains Transportation Institute	UGPTI		\$4,992.00	ND Grain Movement Database: Soybean Transportation	ND Soybean Council