

AWARD REPORT

October 2020

PI Name	PI College	PI Department	Co-PI(s)	Award Amount	Title	Sponsor Name
Blaine Schatz	AES & EXT	AES Carrington Research / Extension Center		\$ 23,413.00	Assisting the Northern Plains UAS Test Site in Scientific Applications & Research Associates (SARA), Inc. Terrestrial Acoustic Sensor Array (TASA) Network Testing	FAA / University of North Dakota
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center	Venkata Chapara	\$ 105,630.00	Specialty Crop Block Grant Program - Farm Bill Activities: Managing Sclerotinia Head Rot in Confection Sunflowers with Bee-Vectored Clonostachys Rosea and Partially Resistant Hybrids	USDA-AMS / ND Department of Agriculture
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center	Kelly Cooper	\$ 105,308.40	Specialty Crop Block Grant Program - Farm Bill Activities: Optimizing Foliar Fungicide Applications and Winter Rye For improved White Mold Management in Dry Beans	USDA-AMS / ND Department of Agriculture
Gary Secor	AES & EXT	AES Plant Pathology		\$ 322,000.00	Production of Potatoes for BCG	Merck & Company Inc.
Guiping Yan	AES & EXT	AES Plant Pathology		\$ 99,922.00	Specialty Crop Block Grant Program - Farm Bill Activities: Improve Detection Capacity and Resistance Evaluation for Control of Nematode Diseases in Potatoes	USDA-AMS / ND Department of Agriculture
Nonoy Bandillo	AES & EXT	AES Plant Sciences		\$ 197,057.00	Specialty Crop Block Grant Program - Farm Bill Activities: Increasing Total Protein Content in Dry Pea Through Multi-Parent Advanced Generation Inter-Cross (Protein-MAGIC)	USDA-AMS / ND Department of Agriculture
Bingcan Chen	AES & EXT	AES Plant Sciences		\$ 176,490.00	Specialty Crop Block Grant Program - Farm Bill Activities: Optimizing Production of Pulse Sprouts with Increased Nutritional Quality	USDA-AMS / ND Department of Agriculture
Wenhao Dai	AES & EXT	AES Plant Sciences		\$ 71,174.00	Specialty Crop Block Grant Program - Farm Bill Activities: Enhancing Sustainable Raspberry Production in North Dakota Through Non-Chemical Control spotted Wing Drosophila	USDA-AMS / ND Department of Agriculture
Harlene Hatterman-Va	AES & EXT	AES Plant Sciences		\$ 96,639.00	Specialty Crop Block Grant Program - Farm Bill Activities: Increasing the Competitiveness of Local Fruit Production with Tunnel Grown Strawberry in North Dakota	USDA-AMS / ND Department of Agriculture
Harlene Hatterman-Va	AES & EXT	AES Plant Sciences		\$ 68,778.00	Specialty Crop Block Grant Program - Farm Bill Activities: Putting North Dakota Small Fruit Breeding Into Action	USDA-AMS / ND Department of Agriculture
Harlene Hatterman-Va	AES & EXT	AES Plant Sciences		\$ 89,870.00	Specialty Crop Block Grant Program - Farm Bill Activities: Adaptive Management Response to Extreme Climatic Swings for North Dakota's Grape and Wine Industry	USDA-AMS / ND Department of Agriculture
Juan Osorno	AES & EXT	AES Plant Sciences	Philip McClean	\$ 250,736.00	Genetic Improvement of Dry Beans for Bruchid Resistance for Southern Africa	USAID / Michigan State University
Jiajia Rao	AES & EXT	AES Plant Sciences		\$ 137,077.00	Specialty Crop Block Grant Program - Farm Bill Activities: Bridging the Technical Gaps to Increase Profitability of Dry Bean Production in North Dakota	USDA-AMS / ND Department of Agriculture

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Andrew Robinson	AES & EXT	AES Plant Sciences	Julie Pasche	\$ 171,689.00	Specialty Crop Block Grant Program - Farm Bill Activities: Defining Bulking Rate of Dakota Russet, Bannck Russet and Altura Potato Tubers	USDA-AMS / ND Department of Agriculture
Qi Zhang	AES & EXT	AES Plant Sciences	Nonoy Bandillo	\$ 166,505.00	Specialty Crop Block Grant Program - Farm Bill Activities: Analysis of Genetic Variation For Salinity Enhancement in Dry Pea	USDA-AMS / ND Department of Agriculture
Daryl Ritchison	AES & EXT	AES School of Natural Resource Sciences		\$ 21,268.58	National Mesonet Program Prime Contract	NOAA / Synoptic Data Corp.
Daryl Ritchison	AES & EXT	AES School of Natural Resource Sciences		\$ 673,452.00	Upper Missouri Basin Soil Moisture and Snowpack Monitoring Existing & New Site Retrofits	U.S. Army
Audrey Kalil	AES & EXT	AES Williston Research / Extension Center		\$ 27,321.00	Specialty Crop Block Grant Program - Farm Bill Activities: Improving Nitrogen Fixation in Chickpeas	USDA-AMS / ND Department of Agriculture
Audrey Kalil	AES & EXT	AES Williston Research / Extension Center	Nonoy Bandillo	\$ 47,973.00	Specialty Crop Block Grant Program - Farm Bill Activities: Screening for pea root rot disease resistance in NDSU breeding lines	USDA-AMS / ND Department of Agriculture
Robert Bertsch	AES & EXT	Ext Agricultural Communication		\$ 75,000.00	Military Families Learning Network Initiative	USDA-NIFA / Auburn University
Gregory Endres	AES & EXT	Ext Carrington Research / Extension Center		\$ 750.00	Central Dakota Ag Day sponsorship	ND Soybean Council
Karl Hoppe	AES & EXT	Ext Carrington Research / Extension Center		\$ 750.00	Central Dakota Ag Day sponsorship	ND Corn Utilization Council
Diane Hahn	AES & EXT	Ext Center for 4-H Youth Development		\$ 20,000.00	Impact Teen Drivers	DHHS / ND Department of Health
Meagan Hoffman	AES & EXT	Ext Center for 4-H Youth Development	Carrie Johnson	\$ 214,767.00	Strengthening the Heartland: Supporting Empathic Rural Opioid Response	DHHS / South Dakota State University
Lynette Flage	AES & EXT	Ext Center for Community Vitality		\$ 310,000.00	Bush Foundation Ecosystem Grant	Bush Foundation
Jane Strommen	AES & EXT	Ext Child Development & Family Science		\$ 93,257.50	North Dakota's Aging in Community Project	ND Department of Human Services
Gregory Lardy	AES & EXT	Ext Directors Office	Marc Bauer Lynette Flage Richard Horsley Jack Rasmussen Charles Stoltenow	\$ 379,045.00	Joint Extension Positions with University of MN	USDA-NIFA / University of Minnesota
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 68,294.00	Specialty Crop Block Grant Program - Farm Bill Activities: Field to Fork: Increasing Knowledge and Consumption of Pulse Crops	USDA-AMS / ND Department of Agriculture
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 60,000.00	Expanding the Capacity for Child Obesity Prevention in ND 2020-21	DHHS / ND Department of Health
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 10,000.00	Healthwise: Reaching North Dakotans of All Ages with Cancer Prevention Strategies	DHHS / ND Department of Health
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 10,000.00	National 4-H Council Healthy Lifestyles Regional Coordination	Wal-Mart Foundation, Inc. / National 4-H Council
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 95,500.00	On the Move to Better Health - 2020-21	National 4-H Council

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Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 600.00	2020-21 Implementing FSMA in North Dakota	ND Department of Agriculture
Kimberly Bushaw	AES & EXT	Ext HD General	Sean Brotherson	\$ 184,641.00	Community Based Child Abuse Prevention	DHHS-ACF / ND Department of Human Services
Samuel Markell	AES & EXT	Ext Plant Pathology	Guiping Yan	\$ 220,000.00	The SCN Coalition: Advancing Management	North Central Soybean Research Program
Samuel Markell	AES & EXT	Ext Plant Pathology		\$ 4,500.00	Emerging Disease Videos	ND Soybean Council
Joseph Ikley	AES & EXT	Ext Plant Sciences		\$ 29,906.00	Take Action - Multi State Herbicide Resistant Crops and Weeds Educational Program	United Soybean Board / Purdue University
Abbey Wick	AES & EXT	Ext School of Natural Resource Sciences	Marisol Berti Francis Casey Aaron Daigh Caley Gasch	\$ 20,000.00	Soil Health and Agriculture Research Extension (SHARE) Farm in Logan Center, ND	Northharvest Bean Growers Association
Abbey Wick	AES & EXT	Ext School of Natural Resource Sciences	Marisol Berti	\$ 89,817.00	Training for Effective Delivery of Science-Based Soil Health Information - It's About More Than Just Content, It's About Messaging Skills	USDA-NIFA / University of Minnesota
Brian Sorenson	CAFSNR	Northern Crops Institute		\$ 5,500.00	NCI-INSTOY Education Course	MN Soybean Research & Promotion Council
Brian Sorenson	CAFSNR	Northern Crops Institute		\$ 3,000.00	Plant Based Texturized and Meat Alternative Course	MN Soybean Research & Promotion Council
Brian Sorenson	CAFSNR	Northern Crops Institute		\$ 5,750.00	Commodity Soybean and Corn Procurement Management for Importers Course	MN Soybean Research & Promotion Council
Andrew Myer	CAHSS	Criminal Justice & Political Science		\$ 50,970.00	Process Evaluation of Pretrial Services Pilot Project	ND Dept. of Corrections & Rehabilitation
Mark Engler	CAHSS	Theatre Arts		\$ 54,000.00	Streaming Audio/Video in NDSU Performing Arts Halls	NDSU Foundation & Alumni Association
Beena Ajmera	CENG	Civil & Environmental Engineering	Sarah Crary	\$ 540,649.00	Research Experience for Teachers: Civil Engineering Instruction for Secondary Education Teachers	National Science Foundation
Ying Huang	CENG	Civil & Environmental Engineering	Danling Wang	\$ 40,000.00	New Self-powered IoT Sensors Based on a Novel Multifunctional 2D Ti3C2Tx MXene Nanosheets for Potential Use on Space Probe to Venus	NASA / University of North Dakota
Ravi Yellavajjala	CENG	Civil & Environmental Engineering		\$ 25,202.00	Integrity of Polyol-Soy Coatings in Aggressive Concrete Environment: Phase-2	MN Soybean Research & Promotion Council
Chad Ulven	CENG	Mechanical Engineering	Mukund Sibi Dean Webster	\$ 3,922,543.00	High Performance Bio-based Polymers for Coatings and Additive Manufacturing	Department of Defense
Yan Zhang	CENG	Mechanical Engineering		\$ 39,930.00	Jugular Venous Blood Stasis in Microgravity: An Integrated Study of Pulsatile Flow-Vein-Valve Interaction	NASA / University of North Dakota
Estelle Leclerc	CHP	Pharmaceutical Sciences		\$ 42,894.60	Efficacy of RAGE Inhibitors with Dacarbazine in PDX Models of Melanoma	NIH / University of North Dakota
Sathish Venkatachalem	CHP	Pharmaceutical Sciences		\$ 17,881.00	Dakota Cancer Collaborative on Translational Activity	NIH / University of North Dakota
Ryan McGrath	CHSE	Health, Nutrition & Exercise Sciences	Kyle Hackney Sherri Stastny	\$ 72,500.00	Great Plains IDEa-CTR	NIH / University of Nebraska Medical Center

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Mari Borr	CHSE	School of Education	Adam Marx	\$ 27,000.00	North Dakota Career and Technical Education Teacher Induction Program	ND Dept. of Career & Technical Education
Alexey Leontyev	CSM	Chemistry and Biochemistry		\$ 166,494.00	Transforming Organic Chemistry Instructions through Faculty Workshops and a Community of Practice	National Science Foundation
Kenton Rodgers	CSM	Chemistry and Biochemistry	Gudrun Lukat-Rodgers	\$ 385,466.00	On the mechanisms of IsdG-based heme degradation and inhibition of heme b biosynthesis in <i>S. aureus</i>	National Science Foundation
Bakhtiyor Rasulev	CSM	Coatings & Polymeric Materials	Khang Hoang Dinesh Katti Svetlana Kilina Dane Skow	\$ 884,596.00	MRI: Acquisition of a High Performance Computing System for Scientific Research and Education at NDSU	National Science Foundation
Mark McCourt	CSM	Psychology		\$ 17,400.00	Great Plains IDEa-CTR	NIH / University of Nebraska Medical Center
Mark Nawrot	CSM	Psychology	Jeffrey Johnson	\$ 435,000.00	Neural Mechanisms Underlying the Computation of Depth From Motion Parallax	National Institutes of Health
Kristin Steinmann	IT	VP for Information Technology		\$ 4,300.00	Carson Selandar NSF STEM Internship	NSF / Concordia College
Helen Pritchett	Misc	Library		\$ 46,000.00	Digital Scholarship Lab	NDSU Foundation & Alumni Association
Thomas Claeys	Misc	North Dakota Forest Service		\$ 17,000.00	NDFS/DPG Woodlands and Grasslands Sustainability Agreement	Forest Service
Canan Bilen-Green	Misc	Office of the Provost	Ramona Danielson Kelly Sassi Charles Stoltenow Jaclynn Walette	\$ 69,500.00	Making Good: Delivering Educational Equity For & With Indigenous Tribal Students & Communities	National Institute of Food & Agriculture
Jane Schuh	Misc	VP for Research		\$ 399,850.00	NDSU's INBRE Subaward: Undergraduate Research	NIH / University of North
Marianne Quittschreib	Misc	Wellness Center		\$ 1,052.51	NDSU Wellness Center Child Care ND Food Program	USDA-FNS / ND Department of Public Instruction
Marianne Quittschreib	Misc	Wellness Center		\$ 1,052.51	NDSU Wellness Center Child Care ND Food Program	USDA-FNS / ND Department of Public Instruction
Ranjit Godavarthy	UGPTI	Upper Great Plains Transportation Institute		\$ 120,000.00	Pedestrian User Experience at Roundabouts	MN 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	ND Highway Patrol