

AWARD REPORT

May 2020

PI Name	PI College	PI Department	CoPI(s)	Awarded Amount	Title	Sponsor Name
Dean Bangsund	AES & EXT	AES Agribusiness & Applied Econ	Nancy Hodur	\$ 29,927.00	Sustainability of North Dakota's Energy Industries	ND Industrial Commission / University of North Dakota
Ademola Hammed	AES & EXT	AES Agricultural & Biosystems Engineering		\$ 30,340.00	Development of Magnetic Nanobiocatalyst for Economic Biorefinery of Soybean Products	ND Soybean Council
Pawel Borowicz	AES & EXT	AES Animal Sciences		\$ 16,648.00	Upgraded Laparoscopy Equipment Request for Teaching and Research	NDSU Foundation & Alumni Association
Carl Dahlen	AES & EXT	AES Animal Sciences	Joel Caton Kacie McCarthy Kevin Sedivec	\$ 145,000.00	Evaluation of Mineral and Supplement Effects on Fetal Development	Purina Mills
Michael Wunsch	AES & EXT	AES Carrington Research/Extension Center		\$ 9,828.00	Efficacy of Adavelt (GF-4536) + Difenconazole (1:1) on Anthracnose in Lentils	Corteva Agriscience
Michael Wunsch	AES & EXT	AES Carrington Research/Extension Center		\$ 77,112.00	Evaluation of BASF Products in Canola, Spring Wheat, Peas, and Lentils	BASF Corporation
Michael Wunsch	AES & EXT	AES Carrington Research/Extension Center		\$ 32,110.00	Improving white mold management in dry beans	Northharvest Bean Growers Association
John Rickertsen	AES & EXT	AES Hettinger Research/Extension Center		\$ 4,130.00	BASF Juncea Contract Testing	BASF Corporation
Bryan Hanson	AES & EXT	AES Langdon Research/Extension Center		\$ 3,403.00	Benson Hill Field Pea Evaluation Trial	Benson Hill Biosystems, Inc
Bryan Hanson	AES & EXT	AES Langdon Research/Extension Center		\$ 12,474.00	Nuseed Canola Evaluation Trial - 20CR48LD	Nuseed
Brian Jenks	AES & EXT	AES North Central Research/Extension Center		\$ 5,000.00	Evaluation of sunflower tolerance to fall-applied herbicides	National Sunflower Association
Brian Jenks	AES & EXT	AES North Central Research/Extension Center		\$ 20,000.00	2020 Weed Control Research in Pulse Crops	Northern Pulse Growers Association
Brian Jenks	AES & EXT	AES North Central Research/Extension Center		\$ 5,000.00	Crop Tolerance to Fall-Applied Herbicides	Northern Pulse Growers Association
Andrew Friskop	AES & EXT	AES Plant Pathology		\$ 9,500.00	2020 ND Corn Pest Survey	ND Department of Agriculture
Samuel Markell	AES & EXT	AES Plant Pathology		\$ 36,000.00	Markell_BASF_Roo2020	BASF Corporation
Samuel Markell	AES & EXT	AES Plant Pathology		\$ 2,500.00	NDSU_BASF_RES-V-2020-US-D-VEZ_McCarville	BASF Corporation
Nonoy Bandillo	AES & EXT	AES Plant Sciences		\$ 125,000.00	Pulse Crops Breeding and Genetics Research for North Dakota	Northern Pulse Growers Association
Joseph Ikley	AES & EXT	AES Plant Sciences		\$ 7,560.00	Competitive Soybean Systems Comparison	Monsanto Co.
Joseph Ikley	AES & EXT	AES Plant Sciences		\$ 5,000.00	Demonstrate BASF Herbicide Options in XtendFlex Soybeans	BASF Corporation
Thomas Peters	AES & EXT	AES Plant Sciences		\$ 52,711.00	Weed Control in Sugarbeets	Sugarbeet Research & Education Board of MN & ND
Amitava Chatterjee	AES & EXT	AES School of Natural Resource Sciences	Marisol Berti	\$ 81,674.00	Soil Management for Sugarbeet Production	Sugarbeet Research & Education Board of MN & ND

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Edward DeKeyser	AES & EXT	AES School of Natural Resource Sciences	Christina Hargiss	\$ 144,000.00	Assessment of Grasslands and Wetlands in the Prairie Pothole Region	U.S. Fish and Wildlife Service
David Rider	AES & EXT	AES School of Natural Resource Sciences		\$ 12,655.00	Exotic Wood Borer Survey and Identification and Exotic Moth Trap Identification	USDA-APHIS / ND Department of Agriculture
Gautam Pradhan	AES & EXT	AES Williston Research/Extension Center	Jerald Bergman Meridith Miller James Staricka Cameron Wahlstrom	\$ 11,750.00	Determining optimal flax seeding date and rate for enhanced growth, yield, and quality under no-till semiarid condition	AmeriFlax
Diane Hahn	AES & EXT	Ext Center for 4-H Youth Dev		\$ 56,750.00	4-H National Mentoring Program, Health Rocks!	DOJ / National 4-H Council
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 10,000.00	Exploring Beef Recipes Using Time-saving Appliances	ND Beef Commission
Nancy Hodur	CAHSS	Center for Social Research	Dean Bangsund	\$ 23,737.00	Economic Contribution of the Wind Energy Industry in North Dakota	GA Group
Sean Burt	CAHSS	History, Philosophy & Religious Studies	Maddison Melquist	\$ 750.00	World Religions "Next Steps" Collection	NDSU Foundation & Alumni Association
Wenjie Xia	CENG	Civil & Environmental Engineering		\$ 1,000.00	A Bioinspired Design Strategy for Multifunctional Performance of Nanocellulose	NDSU Foundation & Alumni Association
Mijia Yang	CENG	Civil & Environmental Engineering		\$ 1,000.00	Cost-benefit Analysis of Structural Snow Fences in North Dakota	NDSU Foundation & Alumni Association
Yao Yu	CENG	Construction Management & Engineering		\$ 15,000.00	A High-Efficiency and Low-Cost Heat Pump System Design For Maximizing the Use of Renewable Energy	Yale University
Benjamin Braaten	CENG	Electrical & Computer Engineering		\$ 12,329.00	Support for Medium Voltage Gate Driver Design and Development	DOE / UT-Battelle, LLC
Ivan Lima	CENG	Electrical & Computer Engineering		\$ 5,000.00	Preliminary Studies for the Development of Therapeutic Antibodies using Dielectrophoresis	NDSU Foundation & Alumni Association
Dali Sun	CENG	Electrical & Computer Engineering	Wenjie Xia	\$ 5,000.00	A novel treatment for pancreatic cancer aided by AI	NDSU Foundation & Alumni Association
Danling Wang	CENG	Electrical & Computer Engineering		\$ 1,000.00	Integrated Study of Novel Nanocomposites Based on Two-Dimensional MXene and One-Dimensional Nanowires for Biomedical Sensing Applications	NDSU Foundation & Alumni Association
Di Wu	CENG	Electrical & Computer Engineering	Dali Sun	\$ 5,000.00	A novel therapeutic target screening method for pancreatic cancer aided by efficient identification of critical pathways using graph theoretical framework	NDSU Foundation & Alumni Association

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Di Wu	CENG	Electrical & Computer Engineering		\$ 264,779.00	Distributed Protection and Restoration Schemes for Integration of Large-scaled Solar PV Installations and Responsive Loads: Design, Testbed, Proof of Work and Impact Studies	DOE / University of Oklahoma
Xinnan Wang	CENG	Mechanical Engineering		\$ 2,335.00	The Effect of Surface Roughness on Functionality of Orthopedic Implants	NDSU Foundation & Alumni Association
Brittney Mueller	CHP	Nursing, Sanford Bismarck	Nicole Hatzenbuhler Linnet Schmidkunz	\$ 5,000.00	Medication Administration Cart: A Technology Tool to Create a Simulation for Nursing Students	NDSU Foundation & Alumni Association
Stephen O'Rourke	CHP	Pharmaceutical Sciences	Chengwen Sun	\$ 435,000.00	Regulation of arterial function by apelin/APJ receptor mechanisms	National Institutes of Health
Stefan Vetter	CHP	Pharmaceutical Sciences		\$ 75,000.00	Prognostic and Therapeutic Value of two IDG-Focus Kinases in Breast Cancer Treatment	NIH / University of North Dakota
Stacy Duffield	CHSE	School of Education		\$ 500.00	Teacher Preparation Common Metrics: Partnership with Concordia University	Concordia College
Julia Bowsher	CSM	Biological Sciences		\$ 1,860.00	Investigating the impacts of climate change on alfalfa leafcutter bee, Megachile rotundata	NDSU Foundation & Alumni Association
Erin Gillam	CSM	Biological Sciences		\$ 99,631.00	Monitoring the Relative Abundance of Bats at National Parks of the Upper Midwest	National Park Service
Katie Reindl	CSM	Biological Sciences		\$ 40,000.00	Use of pancreatic tumor organoids to identify personalized therapies	NIH / University of North Dakota
Bakhtiyor Rasulev	CSM	Coatings & Polymeric Materials		\$ 3,950.00	Development of Macromolecular Systems from Corn Starch for Various Applications	NDSU Foundation & Alumni Association
Maria Alfonseca Cubero	CSM	Mathematics		\$ 1,000.00	Sonia Kovalevsky Mathematics Day for High School Girls	NDSU Foundation & Alumni Association
Debra Habedank	Misc	Center for Child Development		\$ 243.57	USDA Child and Adult Care Food Program	USDA-FNS / ND Department of Public Instruction
Teresa DeMers	Misc	Counseling Center		\$ 1,000.00	Destigmatizing Counseling and Mental Health Concerns for NDSU Students	NDSU Foundation & Alumni Association
Beth Twomey	Misc	Library		\$ 2,509.00	Furnishings for New Young Readers Collection	NDSU Foundation & Alumni Association
Marianne Quittschreiber	Misc	Wellness Center		\$ 179.61	NDSU Wellness Center Child Care ND Food Program	USDA-FNS / ND Department of Public Instruction
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