

AWARD REPORT

May 2022

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
Christopher Byrd	AES & EXT	AES Animal Sciences	Andriy Voronov	\$196,045.00	Evaluating The Use Of Oleic Acid For Reducing Pain And Improving Wound Healing In Male Piglets Following Surgical Castration	USDA National Institute of Food & Agriculture
Carl Dahlen	AES & EXT	AES Animal Sciences	Ana Clara Baiao Menezes Kendall Swanson	\$300,000.00	Multigenerational Impacts of Maternal Vitamin & Mineral Supplementation During Gestation in Beef Cattle	USDA National Institute of Food & Agriculture
Gregory Endres	AES & EXT	AES Carrington Research / Extension Center		\$4,850.00	Evaluation of selected plant nutrition inputs in pinto bean	Northarvest Bean Growers Association
Gregory Endres	AES & EXT	AES Carrington Research / Extension Center		\$4,960.00	Corn response to selected P, Zn and S fertilizer treatments	ND Corn Utilization Council
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center		\$16,110.00	Optimizing the deployment of fungicides for management of powdery mildew in field peas	ND Department of Agriculture
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center		\$30,000.00	Optimizing the deployment of fungicides for improved white mold management in dry beans	ND Department of Agriculture
Christopher Augustin	AES & EXT	AES Dickinson Research / Extension Center	Ryan Buetow	\$26,780.00	Surface Lime Impacts on Canola and Different Western North Dakota No-till Soils	Northern Canola Growers Association
Caleb Dalley	AES & EXT	AES Hettinger Research / Extension Center		\$5,000.00	NA22Y8A018H: Evaluation of GF-5036 for Weed Control in Spring Wheat	Corteva Agriscience
Caleb Dalley	AES & EXT	AES Hettinger Research / Extension Center	Kirk Howatt Brian Jenks	\$15,000.00	Tame buckwheat tolerance to soil-applied preemergence herbicides	ND Department of Agriculture
Venkata Chapara	AES & EXT	AES Langdon Research / Extension Center		\$3,400.00	Management of bacterial leaf blight of field peas using chemical compounds	ND Department of Agriculture
Brian Jenks	AES & EXT	AES North Central Research / Extension Center		\$8,500.00	Evaluation of weed control and crop safety with GF-5036 in spring wheat	Corteva Agriscience
Andrew Friskop	AES & EXT	AES Plant Pathology		\$18,018.00	Evaluation of Products for Wheat Disease Management	Corteva Agriscience
Upinder Gill	AES & EXT	AES Plant Pathology		\$178,000.00	Understanding the Molecular Mechanisms of Stress Tolerance in Cereals	USDA Agricultural Research Service
Mohamed Khan	AES & EXT	AES Plant Pathology		\$15,876.00	Biostimulant Foliar Timings for Nutrient Use Efficiency in Sugar Beet 2022	Verdesian Life Sciences
Mohamed Khan	AES & EXT	AES Plant Pathology		\$61,256.00	Effect of Cercospora Leaf Spot on Sugarbeet Root Storage	USDA Agricultural Research Service
Mohamed Khan	AES & EXT	AES Plant Pathology		\$61,580.00	Improving Disease Management and Agronomic Practices of Sugarbeet	Sugarbeet Research & Education Board of MN & ND
Guiping Yan	AES & EXT	AES Plant Pathology		\$20,000.00	Identification of Effective Cover Crops for Managing the Root-Lesion Nematode, Pratylenchus Penetrans	MN Area II Potato Growers
Kirk Howatt	AES & EXT	AES Plant Sciences		\$8,500.00	Field Evaluation of Pesticide Formulation in Wheat	Corteva Agriscience
Kirk Howatt	AES & EXT	AES Plant Sciences	Bryan Hanson Michael Ostlie	\$26,550.00	Minor Use Pesticide Fund Grant Program	ND Department of Agriculture

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Md Mukhlesur Rahman	AES & EXT	AES Plant Sciences		\$39,140.00	Improving Freezing Tolerance and Weed Suppression in Canola	Northern Canola Growers Association
Andrew Robinson	AES & EXT	AES Plant Sciences	Julie Pasche	\$16,000.00	Late Blight Spore Trapping Network for Minnesota and North Dakota	MN Area II Potato Growers
Andrew Robinson	AES & EXT	AES Plant Sciences		\$36,956.00	Potato Agronomy Management Studies - 2022	MN Area II Potato Growers
Kalidas Shetty	AES & EXT	AES Plant Sciences	Dipayan Sarkar	\$8,500.00	Novel NASA Vertical Farming Strategy for Improving Healthy Fresh Plant Food Access for North Dakota Communities	NDSU Foundation & Alumni Association
Asunta Thompson	AES & EXT	AES Plant Sciences		\$20,000.00	Potato Breeding and Cultivar Development for the Northern Plains Region	MN Area II Potato Growers
Ryan Limb	AES & EXT	AES School of Natural Resource Sciences	Benjamin Geaumont Kevin Sedivec	\$28,000.00	Assessing herbage production by ecological site associated with a novel ecosystem (invasive cool-season grass invasion) on the Fort Pierre National Grasslands	Fort Pierre Grazing Association
David Rider	AES & EXT	AES School of Natural Resource Sciences		\$13,265.00	Exotic Wood Borer and Exotic Lepidoptera Survey	USDA-APHIS / ND Department of Agriculture
Heidi Pecoraro	AES & EXT	AES Vet Diagnostic Service Department		\$150,000.00	ND 2022 NAHLN Infrastructure	USDA Animal and Plant Health Inspection Service
Justin Jacobs	AES & EXT	AES Williston Research / Extension Center	Kelly Cooper Eric Eriksmoen Bryan Hanson Herman Kandel John Rickertsen Tyler Tjelde	\$14,702.00	North Dakota Dry Edible Bean Variety Trials	Northarvest Bean Growers Association
Katherine Tyler	AES & EXT	Ext Center for Community Vitality		\$10,000.00	Rural Leadership North Dakota Regional Agriculture and Rural Issues Seminar for Class IX CHS	CHS Foundation
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition		\$6,000.00	4-H Healthy Lifestyles Contract	National 4-H Council
Andrew Friskop	AES & EXT	Extension Plant Pathology		\$9,750.00	2022 ND Corn Pest Survey	USDA-APHIS / ND Department of Agriculture
Janet Knodel	AES & EXT	Extension Plant Pathology		\$9,750.00	2022 Wheat Pest Survey in North Dakota	USDA-APHIS / ND Department of Agriculture
Abbey Wick	AES & EXT	Extension School of Natural Resource Sciences		\$33,063.00	Trusted Advisors Leading Farmer Adoption of Soil Health Practices	Sustainable Food Lab
Ganapathy Mahalingam	AHSS	Architecture & Landscape Architecture		\$5,000.00	Dakota Digital Academy Grant	Department of Treasury / ND University System Office
Nancy Hodur	AHSS	Center for Social Research		\$20,458.00	Estimating the Economic Contribution of the North Dakota University System	ND University System Office
Nancy Hodur	AHSS	Center for Social Research	Dean Bangsund	\$38,715.00	Contribution of the Petroleum Industry to the North Dakota Economy	ND Petroleum Council
Nancy Hodur	AHSS	Center for Social Research		\$99,722.00	General Operations Support for ND Compass	Otto Bremer Trust

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Jessica Jung	AHSS	Theatre Arts		\$1,000.00	Cabaret Choreographer	NDSU Foundation & Alumni Association
Ravi Yellavajjala	CENG	Civil & Environmental Engineering		\$60,000.00	A Sustainable Air-entraining and Internal Curing Agent	Iowa Department of Transportation
Shuvashis Dey	CENG	Electrical & Computer Engineering		\$1,000.00	Enabling Outdoor Measurement and Field Analysis of RF Antennas and Sensors for Internet of Things (IoT) Applications	NDSU Foundation & Alumni Association
Shuvashis Dey	CENG	Electrical & Computer Engineering		\$4,400.00	Development of Low-Cost, Printable Chipless Radio Frequency Identification (RFID) based Sensors for Leaf Wetness Detection	NDSU Foundation & Alumni Association
Shuvashis Dey	CENG	Electrical & Computer Engineering		\$5,000.00	Non-Invasive Monitoring of Arterial Waveform to Determine Biophysiological Parameters using Radio Frequency Identification (RFID) Based Sensing Technique	NDSU Foundation & Alumni Association
Di Wu	CENG	Electrical & Computer Engineering		\$1,000.00	Assessing grid-accommodable capacity with oscillation stability constraints in power systems with high penetration of renewable resources	NDSU Foundation & Alumni Association
Majura Selekwka	CENG	Mechanical Engineering		\$203,899.00	Functional Coatings for Vehicle Autonomy ? Phase III: Development of a Robotic Vehicle for Testing PPG Coatings	Office of the Secretary of Defense / PPG Industries
Chad Ulven	CENG	Mechanical Engineering		\$931,192.00	AM Thermoset Composite Process	DoD / National Center for Manufacturing Science
Xiangfa Wu	CENG	Mechanical Engineering		\$5,000.00	Direct generation of electricity from agricultural residues-Biomass flow fuel cells	NDSU Foundation & Alumni Association
Jennifer Iverson	CHP	Family Healthcare Pharmacy	Brody Maack	\$30,000.00	Addressing the Prevention and Management of Diabetes, Heart Disease and Stroke Through Clinical Pharmacy Interventions	CDC / ND Department of Health (NDDoH)
Jeanne Frenzel	CHP	Pharmacy Practice		\$970.00	Telepharmacy and Telehealth Training to Improve Student Skills, Confidence, and Intent to Provide Tele-Services	NDSU Foundation & Alumni Association
Kyle Hackney	CHSE	Health, Nutrition & Exercise Sciences		\$4,515.00	Graduate Assistant at Essentia Health - Mickaella Langer	Essentia Health
Sarah Crary	CHSE	School of Education		\$53,084.00	Research Experience for Teachers: Civil Engineering Instruction for Secondary Education Teachers	NSF / Iowa State University
Maria Alfonseca Cubero	CSM	Mathematics		\$1,000.00	Sonia Kovalevsky Mathematics Day for High School Girls	NDSU Foundation & Alumni Association
Lisa Eggebraaten	Misc	Library		\$5,000.00	Denby Deegan Traveling Exhibit	NDSU Foundation & Alumni Association
Robert Tolliver	Misc	Library		\$2,500.00	NDSU Foundation Libraries Endowment grant	NDSU Foundation & Alumni Association

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Stacy Duffield	Misc	Office of Teaching and Learning		\$600.00	Common Metrics Alaska Pacific University	Alaska Pacific University
Marianne Quittschreiber	Misc	Wellness Center		\$1,126.18	NDSU Wellness Center Child Care ND Food Program	ND Department of Public Instruction
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute		\$20,000.00	North Dakota Insurance Reserve Fund	ND Insurance Reserve Fund
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute		\$25,000.00	Western Dakota Energy Association - WDEA 2021-2022	Western Dakota Energy Association
Jeremy Mattson	UGPTI	Upper Great Plains Transportation Institute		\$29,346.00	Ranking Public Transportation Services for Rural States in the Upper Midwest and Great Plains Region	FTA / ND Department of Transportation
Diomo Motuba	UGPTI	Upper Great Plains Transportation Institute	Bradley Wentz	\$5,327.00	Sunset Drive Corridor Study	FTA / Bismarck-Mandan Metro. Planning Org.
Diomo Motuba	UGPTI	Upper Great Plains Transportation Institute	Bradley Wentz	\$46,228.00	Travel Demand Model Update for the Bismarck Mandan MPO 2021 Base Year	FTA / Bismarck-Mandan Metro. Planning Org.
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$4,667.00	ND Grain Movement Database: Corn Transportation	ND Corn Utilization Council