

## AWARD REPORT

May 2021

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
David Ripplinger	AES & EXT	AES Agribusiness & Applied Economics		\$ 49,622.00	Adams County Hemp Feasibility Study	USDA Rural Development / Adams County Development Corporation
Kenneth Hellevang	AES & EXT	AES Agricultural & Biosystems Engineering	Ewumbua Monono	\$ 15,500.00	Evaluating the Allowable Storage Time of Two Soybean Varieties at Two Moisture Levels at Typical Storage Temperatures	ND Soybean Council
Carl Dahlen	AES & EXT	AES Animal Sciences		\$ 3,828.00	Request for a Quibit 4 Fluorometer (Carl A and Jean Y White Memorial Endowment for Agriculture Research Grant Program)	NDSU Foundation & Alumni Association
Kendall Swanson	AES & EXT	AES Animal Sciences	Ana Clara Menezes	\$ 7,722.26	Automated titration equipment to enhance analytical capabilities on cellular energy metabolism and mitochondrial function in animals.	NDSU Foundation & Alumni Association
Gregory Endres	AES & EXT	AES Carrington Research / Extension Center		\$ 4,925.00	Corn starter fertilizer trial	ND Corn Utilization Council
Blaine Schatz	AES & EXT	AES Carrington Research / Extension Center		\$ 13,608.00	Evaluation of Rizobacter Inoculants in Field Pea and Soybean	Rizobacter Argentina S.A.
Blaine Schatz	AES & EXT	AES Carrington Research / Extension Center		\$ 9,072.00	Efficacy of VBC products for yield and quality enhancement of sunflower	Valent BioSciences LLC
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center		\$ 22,680.00	Efficacy of Monsanto products in dry bean	Bayer Crop Science
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center		\$ 18,018.00	Evaluation of Corteva Formulations for Anthracnose in Lentil and Ascochyta Blight in Chickpea	Corteva Agriscience
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center		\$ 20,000.00	Minor Use Pesticide Fund Grant Program	ND Department of Agriculture
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center	Kelly Cooper	\$ 20,000.00	Improving white mold management in dry beans	Northharvest Bean Growers Association
Venkata Chapara	AES & EXT	AES Langdon Research / Extension Center		\$ 3,400.00	Minor Use Pesticide Fund Grant Program	ND Department of Agriculture
Venkata Chapara	AES & EXT	AES Langdon Research / Extension Center	Luis Del Rio Mendoza Audrey Kalil Zhaohui Liu Travis Prochaska	\$ 37,655.00	Clubroot on Canola: Survey and Outreach in North Dakota	Northern Canola Growers Association
Venkata Chapara	AES & EXT	AES Langdon Research / Extension Center		\$ 13,025.00	Determination of surfactants as soil amendments to manage clubroot on canola in field conditions	Northern Canola Growers Association
Birgit Pruess	AES & EXT	AES Microbiological Sciences		\$ 2,700.00	Testing novel food antimicrobials on tomatoes	NDSU Foundation & Alumni Association
Shana Forster	AES & EXT	AES North Central Research / Extension Center		\$ 6,986.00	Corteva Fungicide Efficacy Trial in Lentil	Corteva Agriscience
Brian Jenks	AES & EXT	AES North Central Research / Extension Center	Caleb Dalley Michael Ostlie	\$ 15,000.00	Minor Use Pesticide Fund Grant Program	ND Department of Agriculture
Brian Jenks	AES & EXT	AES North Central Research / Extension Center	Caleb Dalley	\$ 15,000.00	Minor Use Pesticide Fund Grant Program	ND Department of Agriculture

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Brian Jenks	AES & EXT	AES North Central Research / Extension Center		\$ 9,000.00	Evaluation of burndown herbicides prior to canola	Northern Canola Growers Association
Julie Pasche	AES & EXT	AES Plant Pathology	Gary Secor	\$ 44,064.00	2021 Support of Irrigated Potato Research for North Dakota and Minnesota	Northern Plains Potato Growers Association
Julie Pasche	AES & EXT	AES Plant Pathology		\$ 2,436.00	Adjusting Planting Date for the Management of Verticillium Wilt	Northern Plains Potato Growers Assn
Valenti Hatterman-Valenti	AES & EXT	AES Plant Sciences		\$ 9,528.00	Minor Use Pesticide Fund Grant Program	ND Department of Agriculture
Richard Horsley	AES & EXT	AES Plant Sciences	Michael Wunsch	\$ 14,013.00	Value of Genetic Resistance and Fungicides on FHB Control in Durum	USDA Agricultural Research Service
Richard Horsley	AES & EXT	AES Plant Sciences		\$ 47,000.00	2021 Hard Red Spring and Durum Wheat Regional Crop Quality Survey	U.S. Wheat Associates Inc
Kirk Howatt	AES & EXT	AES Plant Sciences	Bryan Hanson Joseph Mettler Michael Ostlie	\$ 20,000.00	Minor Use Pesticide Fund Grant Program	ND Department of Agriculture
Joseph Ikley	AES & EXT	AES Plant Sciences		\$ 15,000.00	Herbicide Programs to Control ALS-Resistant Palmer Amaranth and Waterhemp in Dry Beans	Northarvest Bean Growers Association
Andrew Robinson	AES & EXT	AES Plant Sciences	Julie Pasche	\$ 9,000.00	Development of Late Blight Spore Trapping Network	Northern Plains Potato Growers Assn
Andrew Robinson	AES & EXT	AES Plant Sciences		\$ 35,500.00	Potato Agronomy Management Studies - 2021	Northern Plains Potato Growers Assn
Daryl Ritchison	AES & EXT	AES School of Natural Resource Sciences		\$ 255,222.96	National Mesonet Program Prime Contract	NOAA / Synoptic Data Corp.
Daryl Ritchison	AES & EXT	AES School of Natural Resource Sciences		\$ 228,375.00	Upper Missouri Basin Soil Moisture and Snowpack Monitoring Existing & New Site Retrofits	U.S. Army
Brett Webb	AES & EXT	AES Vet Diagnostic Service Department		\$ 133,000.00	FY 21 ND NAHLN Infrastructure	USDA Animal and Plant Health Inspection Service
Jerald Bergman	AES & EXT	AES Williston Research / Extension Center		\$ 25,000.00	WREC Seed Conditioning Facility	Agri Industries Inc.
Jerald Bergman	AES & EXT	AES Williston Research / Extension Center		\$ 5,000.00	WREC Seed Cleaning Facility	Dunn County
Jerald Bergman	AES & EXT	AES Williston Research / Extension Center		\$ 54,364.00	NMR Oil Analyzer for Seed Oil Content	ND Oilseed Council
Audrey Kalil	AES & EXT	AES Williston Research / Extension Center		\$ 6,930.00	Corteva lentil anthracnose foliar fungicide trial 2021	Corteva Agriscience
Miranda Meehan	AES & EXT	Ext Animal Sciences		\$ 4,999.00	North Dakota Corn Council 2021 Producer Education Mini-Grant	ND Corn Utilization Council
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 1,000.00	2021 Eat Smart. Play Hard with Wheat	ND Wheat Commission
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 1,000.00	Eat Smart. Play Hard with Beans	Northarvest Bean Growers Association
Julie Garden-Robinson	AES & EXT	Ext Food & Nutrition		\$ 500.00	Eat Smart. Play Hard with Potatoes	Northern Plains Potato Growers Assn
Janet Knodel	AES & EXT	Ext Plant Pathology		\$ 9,750.00	2021 Wheat Pest Survey in North Dakota	ND Department of Agriculture

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PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
Nancy Hodur	CAHSS	Center for Social Research		\$ 49,894.00	Program Evaluation of RAD (Rural Access Distribution) Co-op	Bush Foundation / ND Rural Electric Cooperatives Foundation
Zoltan Majdik	CAHSS	Communication		\$ 19,240.00	SCISIPBIO: A Network Science Approach to Conflicts of Interest Metrics, Policies and Communication Design	NIH / University Of Texas at Austin
Beena Ajmera	CENG	Civil & Environmental Engineering		\$ 1,000.00	Influence of Salt Concentration on the Occurrence of Slope Failures in North Dakota	NDSU Foundation & Alumni Association
Ravi Yellavajjala	CENG	Civil & Environmental Engineering		\$ 535,141.00	CAREER: Reduced-scale Additive Manufactured Models for Quantifying the Behavior of Large Structural Steel Castings	National Science Foundation
Di Wu	CENG	Electrical & Computer Engineering	Dali Sun	\$ 3,093.00	An interactive graph-based methodology for cancer drug screening	NDSU Foundation & Alumni Association
Qifeng Zhang	CENG	Electrical & Computer Engineering	Adam Gladen	\$ 1,200,053.00	Advanced Materials for Lithium Ion Batteries Phase IV	DoD / National Center for Manufacturing Science
Qifeng Zhang	CENG	Electrical & Computer Engineering		\$ 1,000.00	Reform Electrical Engineering Lab course (ECE 306) to enhance students' conceptual understanding of electric circuits by integrating computer simulations into laboratory experiments	NDSU Foundation & Alumni Association
Inbae Jeong	CENG	Mechanical Engineering		\$ 1,000.00	Board of Trustees Endowment Grant Program: Development of Remote Lab System	NDSU Foundation & Alumni Association
Long Jiang	CENG	Mechanical Engineering	Mijia Yang	\$ 3,093.00	Developing printable concrete using eco-friendly recycled carbon fiber/epoxy composites	NDSU Foundation & Alumni Association
Yechun Wang	CENG	Mechanical Engineering		\$ 3,093.00	Influences of micro-patterned channel surface on blood cell motion in microfluidics	NDSU Foundation & Alumni Association
Xiangfa Wu	CENG	Mechanical Engineering	Adam Gladen Qifeng Zhang Oksana Zholobko	\$ 842,795.00	Advanced membrane electrode assemblies for fuel cells	DoD / National Center for Manufacturing Science
Brenda Field	CHP	Nursing, Sanford Bismarck		\$ 1,000.00	Enhancing the Nursing Experience	NDSU Foundation & Alumni Association
Brenda Field	CHP	Nursing, Sanford Bismarck		\$ 5,000.00	Simulation Equipment: Tools for Active Learning in Nursing Education	NDSU Foundation & Alumni Association
Jagdish Singh	CHP	Pharmaceutical Sciences		\$ 1,437,570.00	Enhanced APOE2 Expression into Brain for Effective Therapeutic Strategy for Alzheimer's Disease	National Institutes of Health
Gretchen Dobervich	CHP	Public Health		\$ 7,500.00	North Dakota Alzheimer's Disease State Plan	CDC / University of North Dakota
Ryan Eagle	CHP	Public Health		\$ 10,000.00	Intersections of COVID-19 and inequities in maternal and infant health outcomes in, relation	Health Resources in Action, Inc.

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Vanessa Tibbitts	CHP	Public Health		\$ 200,000.00	HRSA Rural Health Care Services Outreach	Health Resources and Services Administration
Kyle Hackney	CHSE	Health, Nutrition & Exercise Sciences		\$ 13,390.00	Graduate Assistant at Concordia College - Lauren Konkol	Concordia College
Kyle Hackney	CHSE	Health, Nutrition & Exercise Sciences		\$ 5,000.00	Graduate Assistantship at Concordia College- Hannah Hofstad	Concordia College
Kyle Hackney	CHSE	Health, Nutrition & Exercise Sciences		\$ 12,231.00	Graduate Assistant at Essentia Health - Mickaella Langer	Essentia Health
Kyle Hackney	CHSE	Health, Nutrition & Exercise Sciences		\$ 11,330.00	Graduate Assistant at Valley City State University (VCSU) - Katellynn Smedley	Valley City State University
Kyle Hackney	CHSE	Health, Nutrition & Exercise Sciences		\$ 11,330.00	Graduate Assistant at Valley City State University (VCSU) - Caroline Martinez	Valley City State University
Joel Hektner	CHSE	Human Development & Family Science		\$ 8,583.00	North Dakota Afterschool Network Graduate Assistantship	ND Afterschool Network
Christine McGeorge	CHSE	Human Development & Family Science		\$ 6,605.00	Climate Survey Work for the University of Minnesota Duluth	University of Minnesota Duluth
Amanda Cordova	CHSE	School of Education		\$ 2,500.00	Library Endowment Grant Program:, Life and Work of Youth Shaping Diversity and Equity	NDSU Foundation & Alumni Association
Stacy Duffield	CHSE	School of Education		\$ 600.00	Teacher Preparation Common Metrics: Partnership with St. Catherine University	St. Catherine University
Julia Bowsher	CSM	Biological Sciences		\$ 2,400.00	Influence of provision microbiome on the development of Megachile rotundata	NDSU Foundation & Alumni Association
Kendra Greenlee	CSM	Biological Sciences		\$ 14,000.00	Effects of Spring Storage Duration during Development on Reproductive Fitness in the Alfalfa Leafcutting Bee, Megachile rotundata	USDA Agricultural Research Service
Steven Travers	CSM	Biological Sciences		\$ 3,339.00	Risk-Assessment and Monitoring of Feral Canola Populations in North Dakota	NDSU Foundation & Alumni Association
Mukund Sibi	CSM	Chemistry and Biochemistry		\$ 500,000.00	Template Driven Access to Highly Congested Stereocenters: Synthetic and Mechanistic Studies	National Science Foundation
Shane Stafslie	CSM	Coatings & Polymeric Materials		\$ 11,500.00	Surface Active Polymers for Enhancement in Biofouling Control and Viable Non-toxic Marine Coatings	DoD / Adaptive Surface Technologies, Inc
Marc Wallman	IT	VP for Information Technology		\$ 257,843.00	Campus Cyberinfrastructure (CC*) Team: Piloting a CI-enabled Tribal Research Collaboration	NSF / American Indian Higher Education Consortium
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute	Timothy Horner Jill Hough	\$ 71,732.00	NDDOT Transit Provider Vehicle Facility Audit	FTA / ND Department of Transportation
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute	Seguy Tchakounte-Wakem	\$ 29,480.00	Assessment and Empirical Support for Behavioral Programs In ND Traffic Safety CFDA 20.616	National Highway Traffic Safety Administration / ND Department of Transportation