

AWARD REPORT
December 2022

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Project Title	Sponsor Name
Steve Zwinger	AES & EXT	AES Carrington Research / Extension Center		\$ 13,230	Expanding the Cover Crop Breeding Network: New species and traits for organic growers	USDA-NIFA / Cornell University
Janet Knodel	AES & EXT	AES Plant Pathology		\$ 7,500	Research and Extension on Emerging Soybean Pests in the North Central Region	North Central Soybean Research Program / Ohio State University
Febina Mathew	AES & EXT	AES Plant Pathology		\$ 35,000	Biology and Management of Soybean Stem Diseases	United Soybean Board / Iowa State University
Febina Mathew	AES & EXT	AES Plant Pathology	Samuel Markell	\$ 1,583	Quantification of Yield Loss from Rhizopus Head Rot in Sunflower	National Sunflower Association
Febina Mathew	AES & EXT	AES Plant Pathology		\$ 15,861	Determining Fungicide Effectiveness to Manage Phomopsis Stem Canker	National Sunflower Association
Joseph Ikley	AES & EXT	AES Plant Sciences		\$ 34,000	Reducing Risk in Soybean Production by Building Sustainability in the Best Management Practices for Herbicide-Resistant Weeds (FY23)	United Soybean Board / Purdue University
Quincy Law	AES & EXT	AES Plant Sciences		\$ 19,775	Cloaking and Controlling Quackgrass in Golf Course Turf	U.S. Golf Association Inc.
Carrie Miranda	AES & EXT	AES Plant Sciences		\$ 31,602	Manipulating the Soybean Seed Oil and Protein Reserves for the Development of High Value Soybean Cultivars and Germplasm (Year 1 of 3)	United Soybean Board / Ohio State University
Deirdre Voldseth	AES & EXT	AES School of Natural Resource Sciences		\$ 25,000	Research and Extension on Emerging Soybean Pests in the North Central Region (Year 2)	North Central Soybean Research Program / Ohio State University
Ryan Buetow	AES & EXT	Dickinson Research / Extension Center		\$ 3,250	2023 Western Soybean School	ND Soybean Council
Sulaymon Eshkabilov	CAFSNR	Agricultural & Biosystems Engineering		\$ 735	How to Measure and Control Temperature and Humidity inside Grain Bins	ND Grain Dealers Educational Foundation
Leon Schumacher	CAFSNR	Agricultural & Biosystems Engineering	Paulo Flores Kenneth Hellevang Xin Sun	\$ 250,000	Enhancing educational opportunities for the next generation of precision agriculture practitioners	CHS Foundation
David Boehm	CAFSNR	Northern Crops Institute		\$ 80,900	Analytics for Isoflavones, 11S7S and Soymilk / Tofu Yields for a Soy Foods Database	U.S. Soybean Export Council
Casey Peterson	CAFSNR	Northern Crops Institute		\$ 8,438	Webinar Based Educational Material	American Soybean Association
Lokesh Karthik Narayanan	CENG	Industrial & Manufacturing Engineering	David Grewell	\$ 3,622	Closed-loop control for strengthening 3D printed (FDM) parts through ultrasonic welding	Center for Bioplastics and Biocomposites
Ali Amiri	CENG	Mechanical Engineering	Chad Ulven	\$ 3,552	Reducing fogging emission of natural fiber-filled polymers	Center for Bioplastics and Biocomposites
Elisabetta Liverani	CHP	Pharmaceutical Sciences		\$ 75,000	Investigating the role of platelets in cancer patients undergoing treatment with PD-1/PD-L1 inhibitors	NIH / University of North Dakota

AWARD REPORT
December 2022

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Project Title	Sponsor Name
Kristine Steffen	CHP	Pharmaceutical Sciences	Benjamin Balas Daniel Friesner Clayton Hilmert Leah Irish Jeffrey Johnson Megan Orr Michael Robinson Mukund Sibi	\$ 4,226	Center for Biobehavioral Mechanisms of Eating Behavior (CBMEB)	NIH / Sanford Research North
Brody Maack	CHP	Pharmacy Practice	Allison Hursman	\$ 194,197	ND DoH Collaborative Tobacco Prevention and Control	ND Department of Health
Jayne Steig	CHP	Pharmacy Practice		\$ 5,000	Improving Utilization of Chronic Disease Evidence Based Programs by Screening for the Geriatric 4Ms in a Community Pharmacy	National Association of Chain Drug Stores Foundation
Ryan Eagle	CHP	Public Health		\$ 4,500	2022 Tribal Maternal Child Health Symposium	ND Department of Health
Bakhtiyor Rasulev	CSM	Coatings & Polymeric Materials		\$ 191,801	RII Track-4: NSF: Data-driven Computational and Machine Learning Assessment of Structure-Toxicity Relationship of Micro/NanoPlastics	National Science Foundation
Dean Webster	CSM	Coatings & Polymeric Materials	Mukund Sibi	\$ 6,946	Exploration of Bio-based Functional Building Blocks for Durable Coatings - Year 2	Center for Bioplastics and Biocomposites
Benjamin Laabs	CSM	Earth, Environmental, and Geospatial Sciences		\$ 34,396	Surficial geologic mapping of three 7.5 quadrangles and production of a glacial geologic map of the Taylor Valley, Colorado	U.S. Geological Survey
Andrew Croll	CSM	Physics	Wenjie Xia	\$ 50,000	Guided Energy Absorption in Crumpled Polymer Sheets	U.S. Army
Katherine Duggan	CSM	Psychology	Thomas Krumel	\$ 40,000	North Central Regional Center for Rural Development	USDA-NIFA / Purdue University
Mark Coppin	Misc	Accessibility & Disability	Canan Bilen-Green Erika Berg Susan Ray-Degges	\$ 132,000	Post Secondary and Transition Program for Students with Intellectual Disabilities	Department of Education / Minot State University
Thomas Claeys	Misc	North Dakota Forest Service	Lezlee Johnson	\$ 900,000	North Dakota Statewide Windbreak Renovation Initiative 3.0	ND Industrial Commission
Canan Bilen-Green	Misc	Office of the Provost	Gregory Lardy	\$ 60,800	Circling Back, Affording Tribal Students Opportunities to Flourish	National Institute of Food & Agriculture
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute		\$ 25,000	Western Dakota Energy Association 2022-2023	Western Dakota Energy Association
Pan Lu	UGPTI	Upper Great Plains Transportation Institute		\$ 26,752	NCHRP 17-99 Assessing Safety Effectiveness of Treatments and Technologies at Highway-Rail Grade Crossings	FHA / Oklahoma State University
Bradley Wentz	UGPTI	Upper Great Plains Transportation Institute		\$ 308,615	2023 Advanced Traffic Analysis Center	FHA / ND Department of Transportation