

AWARD REPORT

March 2019

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
Igathinathane Cannayen	AES & EXT	AES Agricultural & Biosystems Engineering		\$ 65,000.00	Developing Tools for Better Management of Rangeland, Pastures and Forages	Agricultural Research Service
Igathinathane Cannayen	AES & EXT	AES Agricultural & Biosystems Engineering		\$ 48,606.00	UAV Based Corn Population Stand Count and Weeds Distribution with Mapping	ND Corn Utilization Council
Nurun Nahar	AES & EXT	AES Agricultural & Biosystems Engineering	Dilpreet Bajwa Gurjot Dhaliwal	\$ 47,280.00	Value Addition of Corn DDGS by Fiber Extraction (eluriation by air) and Application of DDGS Fiber to Manufacture Low-Density Particleboards.	ND Corn Utilization Council
Joel Caton	AES & EXT	AES Animal Sciences	Tammi Neville	\$ 19,477.00	Effect of dietary crude protein supply in corn-based diets on small intestinal amino acid flow and digestibility in beef cattle: Relationships to metabolizable protein supply, protein requirements, and potential environmental N burden	ND Corn Utilization Council
Carl Dahlen	AES & EXT	AES Animal Sciences	Joel Caton Bryan Neville	\$ 44,706.00	Effects of Distillers Grains and Sulfur on Reproductive Attributes of Yearling Angus Bulls	ND Corn Utilization Council
Blaine Schatz	AES & EXT	AES Carrington Research/Extension Center		\$ 8,660.00	Influence of Harvest Management Strategies on Flax Yield and Quality	AmeriFlax
Jasper Teboh	AES & EXT	AES Carrington Research/Extension Center	Kelly Cooper Michael Ostlie Szilvia Yuja	\$ 16,500.00	Comparing Corn Yield Response to Side-Dressing N at VT Versus Conventional Practices	ND Corn Utilization Council
Jasper Teboh	AES & EXT	AES Carrington Research/Extension Center	Kelly Cooper Szilvia Yuja	\$ 18,700.00	Corn Performance in Response to Sulfur, and Its Interaction with Nitrogen Fertilizer	ND Corn Utilization Council
Ryan Buetow	AES & EXT	AES Dickinson Research/Extension Center		\$ 5,000.00	2019 NSA Sunflower Production Survey	National Sunflower Association
Venkata Chapara	AES & EXT	AES Langdon Research/Extension Center	Luis Del Rio Mendoza Travis Prochaska	\$ 16,677.00	Clubroot on Canola: Survey and Outreach in North Dakota	Northern Canola Growers Association
Venkata Chapara	AES & EXT	AES Langdon Research/Extension Center		\$ 16,439.00	Evaluation of canola cultivars and the efficacy of various doses of soil amendments to manage clubroot on canola field conditions	Northern Canola Growers Association
Bryan Hanson	AES & EXT	AES Langdon Research/Extension Center	John Rickertsen	\$ 18,597.00	NDSU Syngenta Wheat Contract Testing	Syngenta Crop Protection Inc.
Brian Jenks	AES & EXT	AES North Central Research/Extension Center		\$ 1,250.00	Evaluation of Sunflower Tolerance to Fall-Applied Herbicides	National Sunflower Association
Samuel Markell	AES & EXT	AES Plant Pathology		\$ 15,500.00	Investigating the Impact of Diseases and Associated Factors on Yield	National Sunflower Association
Samuel Markell	AES & EXT	AES Plant Pathology		\$ 5,000.00	Pioneer Phytophthora Soybean Seed Treatment	Pioneer Hi-Bred International Inc.
Guiping Yan	AES & EXT	AES Plant Pathology		\$ 8,922.00	Resistance of Corn Varieties to Root-Lesion Nematodes in North Dakota	ND Corn Utilization Council
Xiwen Cai	AES & EXT	AES Plant Sciences		\$ 500,000.00	Enriching and Understanding the Wheat Genome by Inducing Secondary Homoeologous Recombination	USDA-NIFA
Bingcan Chen	AES & EXT	AES Plant Sciences		\$ 31,575.00	Designing and Formulating Crude Corn Germ Oil Based Shortenings for Baked Potatoes	ND Corn Utilization Council
Richard Horsley	AES & EXT	AES Plant Sciences		\$ 12,540.44	Acquisition of Goods and Services	Agricultural Research Service
Richard Horsley	AES & EXT	AES Plant Sciences		\$ 25,690.00	Assessing the Importance of Plant Spacing Heterogeneity (skips, doubles, gaps) on Yield, and Heritability of Seedling Emergence in Field Conditions	National Sunflower Association
Md Mukhlesur Rahman	AES & EXT	AES Plant Sciences		\$ 22,726.00	Increasing Genetic Diversity in Spring Canola (Brassica Napus L.)	Northern Canola Growers Association

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Md Mukhlesur Rahman	AES & EXT	AES Plant Sciences		\$ 80,616.00	Canola Breeding for Increasing Oil Yield Per Acre	Northern Canola Growers Association
Md Mukhlesur Rahman	AES & EXT	AES Plant Sciences		\$ 15,000.00	Flax Breeding for Increasing Yield and Oil Per Acre	AmeriFlax
Joel Ransom	AES & EXT	AES Plant Sciences		\$ 5,000.00	Corn Fertility Trial - Phosphorus	Mosaic Company
Joel Ransom	AES & EXT	AES Plant Sciences		\$ 12,000.00	Plant Growth Regulator Efficacy Testing - 2019 Season	Eastman Chemical Company
Joel Ransom	AES & EXT	AES Plant Sciences		\$ 58,725.00	Supporting Corn Hybrid Selection with Multi-Location Testing	ND Corn Utilization Council
Jiajia Rao	AES & EXT	AES Plant Sciences		\$ 25,510.00	Extraction and Characterization of Zein from Distiller's Dried Grains with Solubles (DDGS) and Modification for Food Application	ND Corn Utilization Council
Kalidas Shetty	AES & EXT	AES Plant Sciences	Dipayan Sarkar	\$ 19,373.00	Innovation to Improve Seed Vigor, Seedling Emergence, and Abiotic Stress Tolerance of Corn	ND Corn Utilization Council
Senay Simsek	AES & EXT	AES Plant Sciences		\$ 79,674.00	The Population Structure of Fusarium Pathogens of Small Grain Cereals, Their Distribution and Relationship to Mycotoxins, the Effect of Crop Management and the Development of a Risk Model for Fusarium Head Blight to Improve Cereal Quality, Yield in Canada	Agriculture and Agri-Food Canada / Western Grains Research Foundation
Senay Simsek	AES & EXT	AES Plant Sciences		\$ 73,163.00	Acquisition of Alveograph	ND Wheat Commission
Qi Zhang	AES & EXT	AES Plant Sciences		\$ 10,728.00	Evaluating Corn Tolerance to Salinity, High pH, and their Interaction	ND Corn Utilization Council
Amitava Chatterjee	AES & EXT	AES School of Natural Resource Sciences	Aaron Daigh	\$ 9,640.00	Soil and Water Management for Corn Production	ND Corn Utilization Council
Amitava Chatterjee	AES & EXT	AES School of Natural Resource Sciences	David Franzen	\$ 7,520.00	Do we need to apply additional phosphorus for corn succeeding sugarbeet?	ND Corn Utilization Council
Amitava Chatterjee	AES & EXT	AES School of Natural Resource Sciences		\$ 14,260.00	Corn response to sulfur application rates	ND Corn Utilization Council
Larry Cihacek	AES & EXT	AES School of Natural Resource Sciences		\$ 2,460.00	Plant Available Nitrogen Mineralization from Mixed Species Crop Residues in Long-Term No-Till Corn Production Systems	ND Corn Utilization Council
Thomas DeSutter	AES & EXT	AES School of Natural Resource Sciences	Francis Casey Aaron Daigh Herman Kandel Juan Osorno Joel Ransom	\$ 289,593.00	Phase I: Agricultural Promotion and Capacity Building at NASHO (Rwanda)	Howard G Buffet Foundation
David Franzen	AES & EXT	AES School of Natural Resource Sciences	Caley Gasch Abbey Wick	\$ 23,129.00	Change in Free-Living-N-Fixer Activity for Reduction of Corn N Rate Over Time with No-Till Transition	ND Corn Utilization Council
Caley Gasch	AES & EXT	AES School of Natural Resource Sciences	Thomas DeSutter Jason Harmon Abbey Wick	\$ 57,842.00	Maintaining salinity with cover crops: a whole system response (year 3)	ND Corn Utilization Council
Audrey Kalil	AES & EXT	AES Williston Research/Extension Center		\$ 2,500.00	Effect of Crop Rotation on Rhizoctonia solani AG 2-2 Soil Populations and Crown Rot Disease in Sugarbeet	Montana-Dakota Beet Growers Association
Karl Hoppe	AES & EXT	Ext Carrington Research/Extension Center		\$ 130,000.00	North Dakota SARE 2019-20 State PDP (Professional Development Program)	USDA-NIFA / University of Minnesota
Michael Ostlie	AES & EXT	Ext Carrington Research/Extension Center	Paulo Flores Xin Sun	\$ 20,525.00	Using UASs for Site-Specific Weed Management in Corn	ND Corn Utilization Council
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition		\$ 500.00	Kids Cooking School: Exploring ND Culture	ND Nutrition Council

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Abbey Wick	AES & EXT	Extension School of Natural Resource Sciences	Francis Casey Aaron Daigh Caley Gasch	\$ 24,292.00	SHARE Farm North: Expanding Soil Health Building Research and Extension Efforts	ND Corn Utilization Council
Abbey Wick	AES & EXT	Extension School of Natural Resource Sciences	Francis Casey Aaron Daigh Caley Gasch	\$ 167,290.00	Research and Extension Efforts at the Soil Health and Agriculture Research Extension (SHARE) Farm (Year 7-8)	ND Corn Utilization Council
Kalidas Shetty	CAFSNR	Plant Sciences	Dipayan Sarkar	\$ 23,373.00	Value-Added Antimicrobial Feed from Corn DDGS and Select High Phenolic Corn	ND Corn Utilization Council
Nancy Hodur	CAHSS	Center for Social Research		\$ 4,619.00	Oral Health Surveillance Data	ND Department of Health
Rebecca Weaver-Hightower	CAHSS	English		\$ 1,428.00	Taylor-Brobey Creative Nonfiction Workshops	NEH / Humanities North Dakota
Ravi Yellavajjala	CENG	Civil & Environmental Engineering	Dilpreet Bajwa	\$ 49,080.00	A New Corn Product for Winter Maintenance of North Dakota Roads	ND Corn Utilization Council
Ravi Yellavajjala	CENG	Civil & Environmental Engineering	Dilpreet Bajwa	\$ 49,580.00	Corn Starch Hydrogel as Unpaved Road Dust Suppressant	ND Corn Utilization Council
David Grewell	CENG	Industrial & Manufacturing Engineering	Nita Yodo	\$ 47,420.00	Multi Functional Biodegradable Mulch for Specialty Crop Production	ND Corn Utilization Council
Om Yadav	CENG	Industrial & Manufacturing Engineering		\$ 30,000.00	CQRME ICP Membership Fee	Horton Inc.
Ann Braaten	CHDE	Apparel, Design & Hospitality Management		\$ 7,000.00	Feasibility Study Contract	Rural Development / Spirit Lake Nation
Kyle Hackney	CHDE	Health, Nutrition & Exercise Sciences	Shannon David Misialek Christopher Kotarsky Sherri Stastny	\$ 72,500.00	Great Plains IDEa-CTR: Hackney: Effects of Eight Weeks of Concurrent Exercise Training & Time-restricted Feeding (16/8) on Body Composition Muscle Endurance, Metabolism, Cardiovascular Risk Factors, & Dietary Intake in Overweight Sedentary Males & Females	NIH / University of Nebraska-Omaha
Mari Borr	CHDE	School of Education		\$ 10,000.00	FACS Summer PD 2019	ND Dept. of Career & Technical Education
Yue Qian	CHP	Pharmaceutical Sciences	Shaobin Zhong	\$ 98,480.00	Genetic Engineering of corn to produce DGLA-enriched oil for cancer therapy	ND Corn Utilization Council
Timothy Greives	CSM	Biological Sciences		\$ 132,733.70	Methods Development to Reduce Blackbird	Animal and Plant Health Inspection Service
Jill Hamilton	CSM	Biological Sciences		\$ 40,377.00	Restoring forb diversity to combat invasive species and improve habitat quality for grassland birds: evaluating the role of seed source diversity	Nature Conservancy
Mohiuddin Quadir	CSM	Coatings & Polymeric Materials		\$ 32,763.00	Multifunctional Water Purification Systems from Corn	ND Corn Utilization Council
Andriy Voronov	CSM	Coatings & Polymeric Materials		\$ 52,522.00	New Corn Oil Based Monomer Synthesis for Latex Applications in Coating and Paints	ND Corn Utilization Council
Debra Habedank	Misc	Center for Child Development		\$ 434.36	USDA Child and Adult Care Food Program	USDA / ND Department of Public Instruction
Brandie Dixon	Misc	University Police & Safety Office		\$ 1,500.00	Traffic Safety Enforcement	DOT / ND Department of Transportation
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute		\$ 20,000.00	ND Insurance Reserve Fund	ND Insurance Reserve Fund
Bradley Wentz	UGPTI	Upper Great Plains Transportation Institute		\$ 24,340.00	North Dakota MPO Planning Support Program Master Agreement	DOT / GF-EGF Metro Planning Organization