PI Name	PI College	PI Department	Co-PI(s)	Award Amount	Title	Sponsor Name
William Wilson	AES & EXT	AES Agribusiness & Applied Econ		\$20,500.00	Market Development Support	ND Wheat Commission
William Wilson	AES & EXT	AES Agribusiness & Applied Econ		\$22,500.00	Strategy & Analysis for GM Wheat Collaborations	ND Wheat Commission
Gregory Lardy	AES & EXT	AES Agricultural & Biosystems Engineering	John Nowatzki Xin Sun	\$1,299,138.00	Advanced UAS/UAV Application and Data Management Systems and Bioinformatics Tools Integrate GxExM Data for Precision Agricultural Management	USDA Agricultural Research Service
Zachary Carlson	AES & EXT	AES Animal Sciences	Kendall Swanson Colin Tobin	\$35,050.00	Benefits of soy-based amino acids in forage- based growing diets	ND Soybean Council
Miranda Meehan	AES & EXT	AES Animal Sciences		\$16,598.00	Evaluating the Impacts of Best Management Practices to Riparian and Watershed Health	EPA / Bowman-Slope Soil Conservation District
Alison Ward	AES & EXT	AES Animal Sciences		\$175,110.00	Methyl Donor Availability in utero and Programming of Postnatal Performance in Beef Cattle	USDA-NIFA / USDA Agricultural Research Service
Gregory Endres	AES & EXT	AES Carrington Research / Extension Center	Leandro Bortolon Shana Forster Michael Ostlie	\$10,660.00	Selected Factors to Improve Consistency of Durum Seed Yield and Quality	ND Wheat Commission
Michael Ostlie	AES & EXT	AES Carrington Research / Extension Center	Dean Steele	\$26,110.00	Performance of drought-tolerant corn hybrids under varying irrigation strategies	ND Corn Utilization Council
Michael Wunsch	AES & EXT	AES Carrington Research / Extension Center		\$1,591.00	Improved white mold resistance in dry and snap beans through multi-site screening throughout major production areas	USDA-ARS / Michigan State University
Christopher Augustin	AES & EXT	AES Dickinson Research / Extension Center		\$26,780.00	Liming Impacts of Hard Red Spring Wheat and Soils in Western North Dakota	ND Wheat Commission
Ryan Buetow	AES & EXT	AES Dickinson Research / Extension Center	Christopher Augustin	\$16,695.00	In-furrow fertilizer amendment comparison for Hard Red Spring Wheat in acidic soil environments	ND Wheat Commission
Benjamin Geaumont	AES & EXT	AES Hettinger Research / Extension Center		\$8,985.00	Southwestern North Dakota Pheasant Initiative	Pheasants Forever-Cedar Creek Chapter
Thomas Baldwin	AES & EXT	AES Plant Pathology		\$25,000.00	Management and Innovative Research on Economically Important Barley Diseases	American Malting Barley Association
Andrew Friskop	AES & EXT	AES Plant Pathology		\$4,500.00	Evaluation of Fungicide Programs and Monitoring Propiconazole Sensitivity in Leaf Spot Pathogens in Wheat	ND Wheat Commission
Andrew Friskop	AES & EXT	AES Plant Pathology		\$25,190.00	Evaluating Management Tools for Fusarium Head Blight, Ergot and Bacterial Leaf Streak	ND Wheat Commission
Andrew Friskop	AES & EXT	AES Plant Pathology		\$18,090.00	Field Evaluation of Management Tools for Ergot	ND Wheat Commission
Upinder Gill	AES & EXT	AES Plant Pathology		\$3,521.00	Developing Durable Rust Resistance in Hard Red Spring Wheat by Pyramiding Non-Race Specific Adult-Plant Resistance Genes	ND Wheat Commission

		PI Department	Co-PI(s)	Award Amount	Title	Sponsor Name
Upinder Gill	AES & EXT	AES Plant Pathology		\$7,451.00	Exploring Novel Sources of Resistance Against Wheat Diseases in Wheat Progenitors and Related Species	ND Wheat Commission
Upinder Gill	AES & EXT	AES Plant Pathology		\$18,000.00	Characterization of North Dakota Wheat Stripe Rust Populations to Determine Pathogen Aggressiveness at High Temperature	ND Wheat Commission
Upinder Gill	AES & EXT	AES Plant Pathology		\$35,099.00	Characterization of North Dakota Spring Wheat Germplasm for Stem, Stripe, and Leaf Rust Resistance	ND Wheat Commission
Zhaohui Liu	AES & EXT	AES Plant Pathology	Thomas Baldwin	\$5,000.00	Identification of Bacterial Leaf Streak Susceptibility Genes in Barley using RNA-Seq Technology	American Malting Barley Association
Zhaohui Liu	AES & EXT	AES Plant Pathology		\$7,100.00	Mining Tan Spot and Bacterial Leaf Streak Resistance Genes in a Global Durum Collection	ND Wheat Commission
Zhaohui Liu	AES & EXT	AES Plant Pathology		\$40,000.00	Transferring of a Resistance Gene from Triticale to Wheat for Bacterial Leaf Streak	ND Wheat Commission
Zhaohui Liu	AES & EXT	AES Plant Pathology		\$21,480.00	Development of a Quantitative PCR-Method to Detecting Wheat Bacterial Leaf Streak Pathogen	ND Wheat Commission
Shaobin Zhong	AES & EXT	AES Plant Pathology		\$113,128.00	Genetic Characterization and Field Evaluation of Fusarium Head Blight (FHB) Resistance in Spring Wheat and Durum Wheat	USDA Agricultural Research Service
Shaobin Zhong	AES & EXT	AES Plant Pathology		\$30,000.00	FHB Resistance in Wheat	ND Wheat Commission
Elias Elias	AES & EXT	AES Plant Sciences		\$105,000.00	Expand Durum Breeding Project	ND Wheat Commission
Elias Elias	AES & EXT	AES Plant Sciences		\$18,100.00	Developing Durum Wheat Germplasm with Low Cadmium Uptake	ND Wheat Commission
Andrew Green	AES & EXT	AES Plant Sciences		\$118,500.00	Hard Red Spring Wheat Breeding	ND Wheat Commission
Richard Horsley	AES & EXT	AES Plant Sciences		\$78,000.00	Breeding and Genetics of Two-Rowed Malting Barley	American Malting Barley Association
Richard Horsley	AES & EXT	AES Plant Sciences		\$51,792.00	End Use Market Development Research for Spring Wheat	ND Wheat Commission
Richard Horsley	AES & EXT	AES Plant Sciences		\$26,100.00	HRS Quality Research	ND Wheat Commission
Richard Horsley	AES & EXT	AES Plant Sciences		\$18,520.00	HRW Quality Research Support	ND Wheat Commission
Richard Horsley	AES & EXT	AES Plant Sciences		\$74,080.00	Specialty Wheat Quality Research - Technician	ND Wheat Commission
Richard Horsley	AES & EXT	AES Plant Sciences		\$45,460.00	Specialty Wheat Quality Research Support	ND Wheat Commission
Shahidul Islam	AES & EXT	AES Plant Sciences			HRS and Durum Crop Quality Survey	ND Wheat Commission
Clair Keene	AES & EXT	AES Plant Sciences		\$19,500.00	Response of Newly Released Varieties to High Input Management	ND Wheat Commission
Xuehui Li	AES & EXT	AES Plant Sciences		\$15,000.00	Implementation of Genomic Selection to Improve Yield and Quality in Durum Wheat	ND Wheat Commission

PI Name PI College PI Department Co-PI(s) Award Amount Title Xuehui Li AES & EXT AES Plant Sciences \$35,000.00 Recurrent Geno	omic Selection to Accelerate ND Wheat Commission
Wheat	lation Improvement in Spring
Improved Grain	rum Wheat Germplasm with ND Wheat Commission n Yield under Drought N Western North Dakota
Frank Manthey AES & EXT AES Plant Sciences \$37,800.00 Impact of Kerne Durum Wheat	el Structure on Milling Quality of ND Wheat Commission
Frank Manthey AES & EXT AES Plant Sciences \$47,000.00 Durum Quality	Research Support ND Wheat Commission
Frank Manthey AES & EXT AES Plant Sciences \$34,800.00 Developing Nov	vel Dough Tests ND Wheat Commission
Gideon Marais AES & EXT AES Plant Sciences \$24,000.00 Hard Winter WI	heat Breeding Program for the ND Wheat Commission s
	sistance - QTL: Identification, USDA Agricultural Research Service and Fine Mapping in Common
	of mineral N cycling from mixed ND Wheat Commission n long-term no-till systems
Deirdre Voldseth AES & EXT AES School of Natural Resource Andrew Green \$8,609.00 Effectiveness of Sciences management of	f stem solidity alleles for ND Wheat Commission of wheat stem sawfly
Audrey Kalil AES & EXT AES Williston Research / \$39,079.00 Assessment of S	
Audrey Kalil AES & EXT AES Williston Research / Eric Eriksmoen \$7,260.00 DON Testing of Extension Center	HRSW in Western ND ND Wheat Commission
Audrey Kalil AES & EXT AES Williston Research / Eric Eriksmoen \$8,240.00 DON Testing of Extension Center	Durum in Western ND ND Wheat Commission
Abbey Wick AES & EXT Ext School of Natural Resource \$24,945.00 SHARE Farm Lar Sciences	rimore ND Wheat Commission
	unity Capacity and Resilience USDA National Institute of Food & ND Tribal Nations Agriculture
Leigh Skurupey AES & EXT Extension Center for 4-H Youth Rebecca Hager \$87,437.00 Expanding Oppor Development Native Food Sys	ortunities for Tribal Youth and USDA National Institute of Food & Agriculture
Julie Garden-Robinson AES & EXT Extension Food & Nutrition \$2,000.00 2022-23 Eat Sm	nart with Beef ND Beef Commission
Julie Garden-Robinson AES & EXT Extension Food & Nutrition \$1,500.00 2022 Eat Smart.	t. Play Hard with Canola Northern Canola Growers Association
Julie Garden-Robinson AES & EXT Extension Food & Nutrition \$1,700.00 2022 Eat Smart.	t. Play Hard with Pulse Foods Northern Pulse Growers Association
Andrew Friskop AES & EXT Extension Plant Pathology \$11,162.00 Digital Platform	n for Wheat Disease Information ND Wheat Commission
Janet Knodel AES & EXT Extension Plant Pathology \$11,000.00 Orange Wheat I	Blossom Midge Survey ND Wheat Commission
Raymond March CAFSNR Agribusiness and Applied \$4,000.00 Developing Hist Economics North Dakota St	tory of Economic Thought at Acton Institute For The Study of Religion
David Boehm CAFSNR Northern Crops Institute \$45,848.00 2022 Crop Year	Soybean Quality Survey ND Soybean Council

PI Name	PI College	PI Department	Co-PI(s)	Award Amount	Title	Sponsor Name
Kim Koch	CAFSNR	Northern Crops Institute	· ·	\$44,600.00	Comparison of Physical and Feed Production Characteristics of U.S., Argentine, Brazilian and Indian Soybean Meals	ND Soybean Council
Brian Sorenson	CAFSNR	Northern Crops Institute		\$3,000.00	NCI Plant-Based Texturized Protein Course (In- Person)	ND Soybean Council
Brian Sorenson	CAFSNR	Northern Crops Institute		\$7,500.00	NCI INT-SOY Course (In-Person)	ND Soybean Council
Brian Sorenson	CAFSNR	Northern Crops Institute		\$100,000.00	General Support for Wheat/Durum Promotion FY23	ND Wheat Commission
Brian Sorenson	CAFSNR	Northern Crops Institute		\$7,500.00	NCI-INTSOY Short Course	SD Soybean Research & Promotion Council
Nancy Hodur	CAHSS	Center for Social Research		\$148,625.00	Pregnancy Risk Assessment Monitoring System, Study of Associated Risks of Stillbirth and Evaluation of Data Management Pilot Program	CDC / ND Department of Health
Nancy Hodur	CAHSS	Center for Social Research		\$63,149.00	Pregnancy Risk Assessment Monitoring System, Study of Associated Risks of Stillbirth and Evaluation of Data Management Pilot Program 93.946	CDC / ND Department of Health
Nancy Hodur	CAHSS	Center for Social Research		\$9,697.00	Pregnancy Risk Assessment Monitoring System, Study of Associated Risks of Stillbirth and Evaluation of Data Management Pilot Program 93.994	CDC / ND Department of Health
Mijia Yang	CENG	Civil & Environmental Engineering	Yao Yu Qifeng Zhang	\$187,201.00	Harness of Sunlight through Solar Snow Fence: Implementation	MN Department of Transportation
Dharmakeerthi Nawarathna	CENG	Electrical & Computer Engineering		\$44,793.00	CAREER: Ultrafast molecular separation and integrated near-field light-metal-flurophore interactions for biomarker detection at point-of care	National Science Foundation
Lokesh Narayanan	CENG	Industrial & Manufacturing Engineering	David Grewell	\$8,537.00	Closed-loop control for strengthening 3D printed (FDM) parts through ultrasonic welding.	Center for Bioplastics and Biocomposites
Ali Amiri	CENG	Mechanical Engineering	Chad Ulven	\$8,374.00	Reducing fogging emission of natural fiber-filled polymers	Center for Bioplastics and Biocomposites
Jordi Estevadeordal	CENG	Mechanical Engineering		\$10,370.00	Integrating Advanced Monitoring Techniques to Mitigate Environmental Factors in Storage Systems to Reduce Postharvest Losses	USDA Agricultural Research Service
Daniel Friesner	СНР	Deans Office, Health Professions		\$78,645.00	Clinical Pharmacy Teaching Program	Sanford Health
Kelly Buettner-Schmidt	СНР	Nursing	Amanda Groom Donald Miller Megan Orr Kolby Schaeffer Fraase		Collaborative Tobacco Prevention and Control Activities 2022 - 2023	ND Department of Health
Sanku Mallik	СНР	Pharmaceutical Sciences	Sathish Venkatachalem	\$2,088,884.00	Center for Diagnostic and Therapeutic Strategies in Pancreatic Cancer	National Institutes of Health

PI Name	PI College	PI Department	Co-PI(s)	Award Amount	Title	Sponsor Name
Kristine Steffen	СНР	Pharmaceutical Sciences		\$117,148.00	Biobehavioral Factors and their Impact on Stress-Related Eating in Obesity	NIH / Sanford Research North
Elizabeth Skoy	СНР	Pharmacy Practice		\$9,000.00	Improving the Health of Americans through Prevention and management of Diabetes and Heart Disease and Stroke Grant	ND Pharmacy Service Corporation
Ramona Danielson	СНР	Public Health		\$89,351.00	NDDoH Promoting Health Equity	CDC / ND Department of Health
Ramona Danielson	СНР	Public Health		\$62,208.00	NDDoH Promoting Health Equity	ND Department of Health
Rick Jansen	СНР	Public Health		\$36,766.00	Sanford Research, Center for Biobehavioral Research	Sanford Research North
Pamela Johnson	СНР	Public Health		\$72,930.00	Sanford Research, Center for Biobehavioral Research	Sanford Research North
Jenny Linker Zarak	CHSE	Health, Nutrition & Exercise Sciences	Jeanette Hoffman Amber O'Shea Justin Pieterick	\$118,265.00	ND DPI Out of School Time Program 2021 Grant - TEAM Leadership Academy	DoED / ND Department of Public Instruction
Britt Heidinger	CSM	Biological Sciences		\$252,771.00	CAREER: Rapid phenotypic divergence and insulin-like growth factor 1 (IGF-1) signaling in a widespread songbird	National Science Foundation
Angela Hodgson	CSM	Biological Sciences	Julia Bowsher Edward Dochtermann Kendra Greenlee Jennifer Momsen	\$1,469,211.00	Joining the HERD: Partnering with Rural and Low-income Students for Academic Success in the Biological Sciences	National Science Foundation
Dean Webster	CSM	Coatings & Polymeric Materials	Mukund Sibi	\$16,372.00	Exploration of Bio-based Functional Building Blocks for Durable Coatings - Year 2	Center for Bioplastics and Biocomposites
Dean Webster	CSM	Coatings & Polymeric Materials		\$180,000.00	Robust coatings with amphiphilic surfaces for control of biofouling	U.S. Navy
Benjamin Laabs	CSM	Earth, Environmental, and Geospatial Sciences		\$72,164.00	Collaborative Research: a transparent-middle- layer computational and data management infrastructure for synoptic applications of cosmogenic-nuclide geochemistry	National Science Foundation
Kelly Rusch	Misc	NDSU EPSCOR	Jean Ostrom-Blonigen	\$85,500.00	NDSU NASA EPSCoR funding (FY22)	NDUS / University of North Dakota
Thomas Claeys	Misc	North Dakota Forest Service	Loretta Forsberg Lezlee Johnson Ryan Melin	\$426,400.00	FY 22 USDA FS Hazardous Fuels Reduction Grant	Forest Service
Kshitij Sharma	UGPTI	Upper Great Plains Transportation Institute	Bradley Wentz	\$6,677.00	Langdon Walkability Assessment 2022	CDC / Cavalier County Health District