2025 NCR-SARE Graduate Student Projects Recommended for Funding

Project	Title	Graduate Student	Major Professor	Primary Grantee	State	$$ Amt Funded	Cumulative
GNC25-406	Refining environmental risk factors to improve Soybean white mold management efficiency.	Roshani Baral	Dylan Mangel	University of Nebraska-Lincoln	NE	$ 20,000	$ 20,000
GNC25-407	Healthy herds, resilient ranchers: Leveraging precision livestock biometric data to implement sustainable grazing practice and monitor livestock health	Kali-Jo Bentz	Ira Parsons	South Dakota State University	SD	$ 17,628	$ 37,628
GNC25-408	Demonstrating relay intercropping as a sustainable soybean intensification option	Yuri Adriano Bezerra Gross	Rachel Cott	Kansas State University	KS	$ 19,970	$ 57,598
GNC25-409	Leveraging Farmer-Reported Data to Improve Yields, Water-Use Efficiency, and Profitability in Kansas Wheat Systems	Claire Bott	Romulo Lollato	Kansas State University	KS	$ 19,602	$ 77,200
GNC25-410	Evaluating the impact of soil type on the synergy between chemical and biological control strategies for Asiatic garden beetle in mint	Cristian Cabrera Castellanos	Elizabeth Long	Purdue University	IN	$ 19,567	$ 96,767
GNC25-411	Site-specific Irrigation Management in Alfalfa by Estimating Crop Water Stress and Spectral Responses	Sourajit Dey	Gaurav Jha	Kansas State University	KS	$ 15,970	$ 112,737
GNC25-412	Development of a Wheat Tiller Density Mapping Tool (Wheat-TDM) Using Multiscale Remote Sensing to Support Nutrient Management and Yield Prediction	Hillson Ghimire	Maitiniyazi Maimaitijiang	South Dakota State University	SD	$ 19,999	$ 132,736
GNC25-413	Co-Managing Soil Health and Disease Risk: Assessing the Interaction Between Rye Cover Crops and Soilborne Plant Diseases in Soybean and Dry Bean	Hunter Kluegel	Megan McCaghey	University of Minnesota	MN	$ 19,961	$ 152,697

GNC25-414	A Market Analysis of Grower Interest and Operational Feasibility of Local Strawberry Plug Production in Kansas	Shubham Kumar	Ravneet Sandhu	Kansas State University	KS	$ 19,910	$ 172,607
GNC25-415	Cover Crops and Carbon: Integrating Field and Stream Carbon Budgets in Tile-Drained Indiana Farmland	Mitchell Liddick	Jennifer Tank	University of Notre Dame	IN	$ 19,943	$ 192,550
GNC25-416	Sustainable Ventilation Strategies for Calf Barns: On-Farm Computational Fluid Dynamics (CFD) Modeling and Ammonia Sensor Integration	Nilroth Ly	Neslihan Akdeniz	University of Wisconsin-Madison	WI	$ 19,999	$ 212,549
GNC25-417	Ergonomic Auxiliary Handles for Hand Tools (Optimized): Improving Health and Productivity for Under-resourced Farmers	Felix Michael Oguche	Jianfeng Zhou	University of Missouri	MO	$ 19,892	$ 232,441
GNC25-418	Exploring the Feasibility of Replacing Fishmeal with Asian Carp Protein Hydrolysates in Largemouth Bass (Micropterus nigricans) Aquaculture in MO	Sadiat Onileowo	Moureen Matuha	Lincoln University of Missouri	MO	$ 19,921	$ 252,362
GNC25-419	Toward Sustainable Intensification: Evaluating Modern Plant Density Effects on Winter Wheat Grain Yield, Quality, and Nitrogen Use Efficiency	LUIZ PRADELLA	Romulo Lollato	Kansas State University	KS	$ 19,905	$ 272,267
GNC25-420	Self-organization for Farm to School: Building a Resilient Local Food System in South Dakota	Blake Pulse	Kristine Lang	South Dakota State University	SD	$ 20,000	$ 292,267
GNC25-421	Rotational Grazing Adoption in Ohio and Missouri	Alexandre Rehbinder	Douglas Jackson-Smith	The Ohio State University	MO	$ 19,952	$ 312,219
GNC25-422	Prescribed burn policies and community norms in agricultural landscapes: Understanding the social dynamics of fire use in rangeland management	Caroline Ruto	Audrey Joslin	Kansas State University	KS	$ 19,905	$ 332,124
GNC25-423	Reducing Fusarium Wilt Pressure in Organic Tomato Production Systems using Allium Species	Sidra Saleem	Harlene Hatterman-Valenti	North Dakota State University	ND	$ 19,993	$ 352,117

GNC25-424	An ecological and genetic assessment of Colorado potato beetle insecticide resistance risk on Wisconsin organic potato farms	Emma Terris	Sean Schoville	University of Wisconsin-Madison	WI	$ 19,894	$ 372,011
GNC25-425	Management Driven Changes in Soil Organic Matter on CRP Land	Sarah Wilson	Anna Cates	University of Minnesota	MN	$ 20,000	$ 392,011
GNC25-426	Quantifying Nitrogen and Sulfur Release from Winter Hardy Legume Cover Crops Using 15N and 34S Stable Isotopes Labeling	Adam Yakubu	Richard Roth	Iowa State University	IA	$ 19,998	$ 412,009
GNC25-427	Collaborative Design of Photovoltaic-Powered Ventilation for Deep Winter Greenhouses in the North Central Region Using Computational Fluid Dynamics	Yoonhong Yi	Neslihan Akdeniz	University of Wisconsin-Madison	WI	$ 19,999	$ 432,008