

**2021 NCR-SARE Partnership Grant Projects Recommended for Funding**

Project #	Project Title	PI Name	Primary Grantee	State	\$ Amt Funded	Cumulative	Systems Category	Commodity Category	Brief Description
ONC21-082	Midwestern Hemp Database: Utilizing Grower-Cooperator Networks to Assess Variety Performance of Industrial Hemp Across the North Central Region	Phillip Alberti	University of Illinois Extension	IL	\$ 39,834	\$ 39,834	Crop Production	Other plants (herbs, natives, etc.)	Applied research and outreach across the North Central region assessing production practices, variety performance, and laboratory analysis methods of industrial hemp through university research trials and on-farm data collection via grower-cooperator networks and private laboratory partnerships.
ONC21-083	Harvesting and Feeding Winter Rye, Winter Triticale, and other Alternative Forages to Dairy and Beef Cattle	Luiz Ferraretto	University of Wisconsin Madison	WI	\$ 40,000	\$ 79,834	Animal Production--including aquaculture and apiary	Animals	Developing feeding guidelines using nutritional modeling software for mechanical harvesting of "cover crop" and other alternative forages for dairy and beef rations. Our hypothesis is that mechanical harvesting will greatly increase number of acres providing winter cover compared to grazing.
ONC21-084	Enhancing producer resources to build small meat processing capacity and local meat demand	Amanda Blair	South Dakota State University	SD	\$ 39,862	\$ 119,696	Animal Production--including aquaculture and apiary	Animal Products	There is growing producer interest in establishing small meat processing facilities to provide alternative marketing opportunities. This program will assist with initial concept development and provide guidance and resources to producers interested in pursuing a meat processing business.
ONC21-085	Michigan Sustainable Farm Mentors	Katie Brandt	Michigan State University	MI	\$ 39,999	\$ 159,695	Education & Training	This project is not commodity specific or doesn't apply to commodities	Seven farmers will mentor 42 new farmers. Five online/phone meetings per beginning farmer mentee will address financial, environmental and social sustainability. Aspiring farmers will focus on land/credit access and business/farm skill-building. Mentees will be paired to discuss issues with a peer.
ONC21-086	Developing Winter Barley as an Alternative Crop to Capture an Emerging Market and Increase Diversification and Sustainability	Cody Creech	University of Nebraska-Lincoln	NE	\$ 40,000	\$ 199,695	Crop Production	Agronomic	Project will evaluate feasibility of winter barley production under rainfed conditions in the High Plains. Experiments will be conducted to identify suitable varieties, populations, and fertility requirements to meet yield expectations of farmers and grain quality parameters of the grain purchaser.
ONC21-087	Soil Moisture and Temperature Monitoring in Different Field Management Conditions	Amanda Douridas	The Ohio State University	OH	\$ 39,993	\$ 239,688	Crop Production	Agronomic	Monitor and analyze soil moisture and temperature data in corn and soybean fields to determine field readiness for planting in the spring. Management practices monitored include no-till, cover crops and conventional tillage.

ONC21-088	The Future of Food Aggregation and Distribution in the Kansas City Region: Considering Infrastructure and Logistics Over the Next Ten Years	Alicia Ellingsworth	The Farm School at Gibbs Road Inc.	KS	\$ 39,260	\$ 278,948	Farm Business Management	Vegetables	KC Farm School at Gibbs Road will facilitate a discovery and analysis of food distribution from production on local farms to the institutional market and direct to consumers through various methods. The producers participating are involved in individual and grouped sales and logistics.
ONC21-089	Weed Suppression Strategies for Key Cultural Crops in the Yazidi Farming Community of the Midwest	Amy Gerdes	Community Crops	NE	\$ 39,706	\$ 318,654	Crop Production	Vegetables	This project will partner with Yazidi farmers to test different low-cost weed suppression strategies over two seasons in two culturally-important crops, eggplants and pickling peppers.
ONC21-090	Developing educational resources for improved postharvest handling of value-added wheat and rye on small and mid-sized farms	Alyssa Hartman	Global Philanthropy Partnership	WI	\$ 39,997	\$ 358,651	Education & Training	Agronomic	This project will collaboratively create a suite of digital educational materials (a handbook, case studies, videos) on postharvest handling, cleaning, and storage processes to support small and mid-size farmers interested in producing wheat and rye for high-value food-grade markets.
ONC21-091	Seed Rematriation Using a Participatory Conservation Model	Philip Kauth	Seed Savers Exchange	IA	\$ 40,000	\$ 398,651	Sustainable Communities	This project is not commodity specific or doesn't apply to commodities	Seed Savers Exchange (SSE) and eight Native farmers (nine distinct sites) will select 30-60 Indigenous crop varieties from the SSE seed bank and grow, evaluate, and save seeds from these varieties to increase seed supplies for enhanced resilience and restore seeds to their communities of origin.
ONC21-092	Harvesting Our Potential: Growing Skills, Confidence and Sustainability	Juliann Salinas	Women Food and Agriculture Network	IA	\$ 40,000	\$ 438,651	Education & Training	This project is not commodity specific or doesn't apply to commodities	Women farmers and landowners will network and learn skills necessary for increased confidence in their ability to be economically self-sufficient through sustainable agriculture careers, while also building connections with other women at all stages of their own careers.
ONC21-093	Developing a guide for farmers or local machine shops to build an affordable roller-crimper by repurposing tillage equipment	Ryan Schmid	Ecdysis Foundation	SD	\$ 39,996	\$ 478,647	Crop Production	Agronomic	Ecdysis Foundation will partner with farmers to build a roller-crimper from salvaged tillage equipment, and produce open-access step-by-step plans and videos. Ecdysis will also study cover crop termination. This project will improve accessibility to roller-crimpers and inform cover crop termination.
ONC21-094	Can "planting green" suppress troublesome glyphosate tolerant/resistant weeds in no-till soybean?	James Stute	Stute Farms	WI	\$ 39,680	\$ 518,327	Pest Management	Agronomic	This on-farm trial will investigate green planting of soybean into winter rye for suppression of problematic weeds in no-till production. We will compare this approach against current University of Wisconsin-Extension recommendations and share results with the production agriculture community.

ONC21-095	Grower to Grower: Sustainable Local Foods Marketing Panel and Resource Toolkit	Robin Trott	University of Minnesota, Extension	MN	\$ 40,000	\$ 558,327	Farm Business Management	This project is not commodity specific or doesn't apply to commodities	This project will connect experienced market growers with new and emerging growers to address challenges in product/farm marketing, developing a loyal customer base and creating a sustainable market farm business in a rural area.
ONC21-096	New and Beginning Farmer Regenerative Agriculture Fellowship Program	Jesse Womack	The Nature Conservancy	OH	\$ 40,000	\$ 598,327	Education & Training	This project is not commodity specific or doesn't apply to commodities	This project will support new, beginning, and underserved farmers through 25 weeks of education and training. Learning in the classroom and on area farm visits will cover organic production, regenerative farming, integrated pest management, rotational grazing, marketing, and business management.
ONC21-097	Farm Education for Core Curriculum: Teachers and Farmers Partnering for the Future of Food Security	Therese Zimmerman	Good Shepherd Montessori School	IN	\$ 39,999	\$ 638,326	Education & Training	This project is not commodity specific or doesn't apply to commodities	Farmers and teachers will collaborate to develop sustainable farming education adopting Next Generation Science Standards for core curriculum alignment and to provide a workshop conference for training, and demonstration of a systems approach to growing sustainable farmers and consumers.