

2012 Ag in the Classroom Mini-Grant Proposals

(24 applicants receive \$10,120 in funds)

Academy for Children – (Funded at \$600 for butter churn, yogurt machine, puzzles, nomenclatures, barn set) Students at the academy will have semi-monthly lesson on dairy farming and dairy products. They will learn about the parts of a cow; how to make yogurt, ice cream, butter and cottage cheese; and go on a field trip to a dairy. (75 students)

Bismarck Public School – (Funded at \$700 towards Reading Green Kit and books) Students will plant Wisconsin Fast Plant seeds and observe them growing and flowering. They will read five short stories which help them understand plant growth, life cycles, and structure and function of living things. (150 students)

Central Valley Public School – (Did not receive funding) Students in 4th and 8th grade will learn the steps it takes to grow a crop from field preparation to harvest. Students will also learn about major cash crops in the state. (55 students)

Circle of Nations Wahpeton Indian School – (Funded at \$300 towards locally sourced food products) The purpose of the project is to teach students and staff about local sustainable food systems and the Native American agricultural contributions to the state and the world. (200 students)

Corner Club 4-H – (Did not receive funding) 4-H Club members will work on agricultural related projects throughout the year and bring their projects to the fair at the end of June. (? Students)

Edgeley FFA – (Funded at \$300 for dairy foods, agricultural products, office supplies and prizes) Students in 3rd and 4th grades will attend an agricultural event hosted by the new Edgeley FFA chapter. Students will attend mini-sessions on topics that will demonstrate the impact agriculture has on their lives. Topics will include dairy station with butter and ice cream making, identifying grains, farm machinery, and ag trivia. (35 students)

Farm Safety 4 Just Kids – (Funded at \$750 towards helmets) Students will bring their parents to an ATV safety course where they will learn about safe practices and ND laws while riding an ATV. (75 students affected)

Flasher Public School – (Funded at \$600 for wood, welding rods, blades, welding gas, and drafting equipment) Students in Tech Studies classes will research, study and present on the principles behind cattle hay/feed handling equipment. They will develop and design small scale models of haying equipment and then build a full scale production. (34 students)

Gackle/Streeter FFA – (Funded at \$300 towards cheese, ice cream and supplies) A dairy foods contest will be held during lunch time at the school to test students' knowledge of different dairy food items. The contest will run for 5 days and end with an ice cream social. (90 students)

Grace Lutheran School – (Funded at \$600 towards dirt, peat, fence posts, railroad ties, and chicken wire fencing) Students in 7th and 8th grades will create a school garden which will impact all of the students in the school. (130 students)

Griggs County Extension – (Funded at \$175 towards curriculum and craft supplies) The purpose of the project is to make the students in the Griggs County Public School aware of the crops grown in the area, the products made from them and the nutritional value of the crops. (102 students)

Grimsrud School – (Funded at \$150 towards materials for making ice cream and baking bread and taste testing food) Students will learn about the nutritional plate model, make healthy choices, experience how plants/crops are grown, and learn about food produced from ND crops. (43 students)

Louis L'Amour Elementary – (Funded at \$500 towards iPad) Students from kindergarten, first and second grade will learn how food arrives at their table. The teacher will use several nutrition apps on an iPad to reinforce food concepts. Some of the apps are Peekaboo Fridge, Eat and Move-O-Matic, Fruits and Vegetables, Eat Right, Food Find, Old McDonald Had a Farm, iGO to the farm. (60 students)

Maddock FFA – (Funded at \$350 towards animals, straw bales, educational materials, and grain & processed products) FFA members will provide an agriculture education booth and display and a petting zoo at the Maddock Renaissance held in October. Over 200 students are expected to participate. (200 students)

Metigoshe Ministries – (Funded at \$470 towards seeds, plants, trellis supplies, fertilizer, seedlings, and potting soil) Metigowshe Garden will provide fresh and natural produce for nutritious camp menus while teaching campers and staff about where their food comes from, care for the earth and making healthy food choices. (600 youth)

With the grant funds we have purchased over 36 varieties of seeds, plus seedling trays and domes, potting soil and peat pots. Asparagus crowns and strawberry starts have been purchased and are waiting to be shipped until the ground temperature is correct. We have started flats indoors with a wide variety of herbs, edible flowers and vegetables. Because of the weather this spring we have not yet been able to get our donated raspberry canes dug and transplanted, but we did purchase the lumber and wire to build the trellis support system.

We will begin outdoor planting as soon as the snow melts and ground temperature warms enough for cold season crops. We expect to serve over 600 youth in the garden from June through August. The youth will work in the garden, complete a curriculum, as well as harvest and eat the fresh

produce. There will also be approximately 150 adults who will be involved in the garden in such roles as volunteer labor, adult camper, and summer staff trained in garden procedures.

Minot FFA – (Did not receive funding) FFA members will work with students in K-5 grades to help them understand the different types of products made from wheat, durum, and other various grains. (780 students)

ND Stockmen's Association – (Funded at \$600 towards event expenses) The association will hold a Junior Beef Expo in June which draws junior beef cattle breeders from across the state to learn more about the beef industry, show their heifers and steers, and network with other junior beef producers. The funds will be used for the Carcass Merit Contest which explores the importance of producing beef with high carcass values. (100 students)

The 2013 Junior Beef Expo will be held June 29-30, in Williston, N.D., at the Upper Missouri Valley Fairgrounds. The weekend will begin Saturday afternoon with a steer weigh-in and ultrasound with the cattle shows taking place the following day.

The data collected from Saturday's ultrasound scan will be used in the Carcass Merit contest, which is where we intend to use the generous \$600 Ag in the Classroom grant.

The purpose of the Carcass Merit contest is to give the exhibitors a hands-on experience with the use of technology in beef production. It is an opportunity for the students to better understand and actually see why it is so important to feed balanced, complete rations to ensure a high quality product. Exhibitor numbers were down slightly last year, so we are anticipating anywhere from 40 to 60 participants from across the state.

On behalf of the North Dakota Stockmen's Association and the Junior Beef Expo planning committee, I thank you again for the opportunity to be a part of this program.

Oakes/Sargent Central FFA – (Funded at \$500 towards seed mounts and flashcards for agronomy) Students will study seed mounts, grain classes, disease and pest ID materials to understand agronomy. (? Students)

Powers Lake FFA – (Funded at \$170 towards redworms and Worm-A-Way composting kit) Powers Lake FFA members will learn and teach younger students about worms, soils, compost, moisture, fertility, waste management, bacteria and plant growth. (110 students)

Richland 44 FFA – (Funded at \$450 towards hotel rooms) Students will tour seven agricultural companies over the course of two days, studying the career opportunities in mechanics/engineering, food processing, plant research, veterinary science and natural resource management. (24 students)

Rugby FFA – (Funded at \$550 towards curriculum focusing on veterinary science) Students in the animal science class will learn about veterinary science, livestock, small animals and wildlife through new

curriculum. (13 students)

SE Regional Career & Tech Center – (Funded at \$400 towards materials, meals) Junior high students from the region will be invited to attend a Junior High Ag Activities Day in Oakes. They will learn about agriculture opportunities, careers and the FFA. (200 students)

Stanley FFA – (Funded at \$450 towards safety supplies and snack foods) FFA members will teach mini-lessons on agricultural products to elementary students during National FFA Week. Topics will include soil, corn, pigs, beef, dairy and farm safety. A Farm Safety Day in the spring will also bring awareness to students. (500 students)

Sunrise Elementary Ms. Vetter – (Funded at \$280 towards field trip) Students will go on a study trip to learn how dairy cows are cared for and milked. They will learn about dairy products and nutritional value of dairy products. (88 students)

Sunrise Elementary Ms. Tschosik – (Funded at \$260 towards wool and supplies) Students in kindergarten and 2nd grade will learn about life on the farm with a focus on sheep and wool production. They will felt their own wool to take home. (190 students)

Turtle Lake/Mercer FFA Alumni – (Funded at \$165 towards product give-aways and office supplies) The FFA alumni group will host an ag career event in February. Students will be exposed to a variety of ag careers in a breakout session format. (100 students)

Velva FFA – (Funded at \$500 towards welding helmets, welding gloves and welding jackets) Funds will go towards purchasing welding equipment for students learning welding. (30 students)

Wishek Public School -- (Did not receive funding) Fourth grade students will travel across the state to look at different facets of the economy and landscape. They will tour the agricultural industry in ND. (14 students)