

Development of Research Farm

Bernard Havlovic, superintendent

Armstrong Farm

The research farm continues to grow and develop in its eighth year of operation. Erosion control improvements were made to the farm's north 80 when 1,850 feet of narrow based terraces were constructed in early May. The two remaining old farmstead buildings on the north 80 were dismantled, and the site was leveled and seeded to serve as field day parking area. A home demonstration orchard consisting of both heirloom and newly released fruit varieties were planted near the farm's learning center. This planting was made possible thanks to a grant from the East Pottawattamie Soil and Water Conservation District and will be used in future years as a site for fruit tree pruning and management classes.

Neely-Kinyon Farm

Improvements to the Neely-Kinyon Farm in 2000 included the seeding of a 25-acre field to Kura clover. Once established, this area of the farm will be used for year-round grazing trials utilizing this legume. Accessibility to the farm was improved with the widening of the farm's main entrance. The widening of the driveway allows for semi traffic to more easily enter and exit the farmstead.

Lauren Christian Swine Farm

Two improvements made to the Lauren Christian Swine Farm in 2000 included the cleaning and reshaping of the farm's drainage ditch and the construction of the farm's dead animal composting structure. The ditch was cleaned out in early spring and the six bin composting structure was completed in July.

Field Experiments

A total of 12 new field experiments were added to the farm in 2000. Both research and extension staff representing six departments at Iowa State University conducted 74 research projects or demonstrations at one of the farm's locations in 2000.

At the Armstrong farm the following new experiments were established:

- Sulfur Fertilization of Corn and Soybeans
- Soybean Seed Treatments and Early Planting Dates
- High Oil Corn Variety Date of Planting Study
- GMO Corn Combine Cleanout Evaluation
- Whole Soybeans in the Cattle Feedlot Ration
- Alternative Pasture Watering Methods
- Electromagnetic Induction Sampling

At the Neely-Kinyon Farm the following new experiments were established:

- Open Pollinated Corn Population Study
- New Forage Options Demonstration
- Pollen Drift from GMO Crops Evaluation
- Earworm Control in Organic Sweet Corn
- Corn and Soybean Tillage Demonstration

Field Days and Tours

We encourage everyone to visit the Armstrong, Neely-Kinyon, and Lauren Christian Research and Demonstration Farms. Plan on attending one or more of the regularly scheduled field days, tours or classes at one of the farms this coming year. If you need information as to field day schedules or would like to set up a tour of one of the farms just give us a call at 1-712-769-2402. The farm staff will gladly assist you in your farm tour. Information about the farms can also be obtained from our web-site at www.ag.iastate.edu/farms/index.html.

Over 4,500 visitors representing seven states and five countries attended 57 different field days, group tours, classes, or meetings at either the Armstrong, Neely-Kinyon, or Lauren Christian Swine Research and Demonstration Farms in 2000. The June field day at the Armstrong Farm was co-sponsored by Iowa State University and the Southwest Iowa Soil and Water Conservation Districts. Over 300 people attended the event and saw soil conservation projects and demonstrations. Some 275 visitors attended the Neely-Kinyon fall field day where they toured the farm's organic farming plots, specialty soybean trials, and open pollinated corn studies. The "Home Garden Tour" and the "Agricultural Career Day" continue to be popular events with each giving over 200 area gardeners and high school students a chance to visit the farm.

A list of field days, group tours, and special events at the farm in 2000 includes:

Armstrong Farm June Crops Field Day	Cass Co. Extension Council Tour
Home Demonstration Garden Twilight Tour	4 States Organic Training for Extension
Neely-Kinyon Fall Field Day	FFA Tour of Neely-Kinyon Farm
Lauren Christian Swine Farm Field Day	RAGBRI Tour of Neely-Kinyon Farm
Sustainable Weed Control Clinic (for producers)	Ag Chemical Dealers Update Meeting
Neely-Kinyon News Media Tour	USDA/Chinese Visitors Farm Tour
Wallace Foundation Annual Meeting	World Bank Tour of Farms
Farm Economy In-service	Neely-Kinyon Farm Winter Meeting
Pork ICN Meeting	USDA Pesticide Applicator Training
USDA Conservation Training	4-States Beef Conference
Crop Alliance Annual Meeting	Sustainable Ag ICN
Organic Dairy Meeting	Conservation Day Event
Feedlot Monitor Computer Training	Internet Training
USDA Rural Development ICN	GMO Conference ICN
Horse Leader Training	Production Contracts for Swine Meeting
South Dakota State – Analyzing Health Data	Feedlot Meeting
NE Iowa Research Farm Board Visit/Meeting	PQA 3 for 4-H Kids
Trends for 21st Century ICN	Farm Bureau Women's Group Meeting
Area Extension Council Meeting	Indiana Producers Farm Tour/Meeting
Master Gardener's Potluck/Meeting	Accounting Systems Workshop
Youth FS In-service	New Staff Orientation ICN
Area 4-H Council Meeting	PBA Board Meeting
Life Cycle Analysis – Stover to Ethanol	Camp Counselor Training

SOFA Orientation
Iowa Beef Center Drought Meeting ICN
Montgomery Co. Farm Bureau Women's Garden Tour
ISU Ag Engineer Summer Tour
Loess Hills Meeting
Swine Interest Group with Christian Bregendahl
Anita 6th Grade Class Visit to 3 Sisters Garden
Grazing School
Missouri Livestock Producers Feedlot Tour
Ohio State Tour Group Visit
Beef Tenderness Training Meeting
Winter Sheep ICN
Tall Corn Ethanol Meeting
Swine Advisory Committee ICN
Area Extension Specialist's Tour of Neely-Kinyon

Urban Horticultural ICN
Cumberland Women's Garden Tour
DNS Staff Retreat
IMC Day Camp Garden Tour
Hotze Family Reunion/Farm Tour
E. Pott Farm Bureau Meeting/Tour
Nishna Valley Shrine Club Garden Tour
Earth Day 2000 Event
NRCS Training for County Sanitarians
District 4 Republican Women's Meeting
Legislative Roundtable Planning Meeting
Area 4-H Council Retreat
Cornstalk Grazing/Animal Compaction
Meeting

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Adair County Pork Producers	Jim May
Cass County Pork Producers	Adair County Cattlemen
Cass County Cattlemen	Adair County Lamb & Wool Growers
Security State Bank, Casey, Menlo, Stuart	Union State Bank, Bridgewater, Greenfield
Farmers & Merchants State Bank, Orient	First State Bank, Stuart
Orient-Macksburg FFA	First National Bank, Fontanelle
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Bill Pellett	Marlin Rossell
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Atlantic News Telegraph	Iowa Western Community College
Adair County NRCS	East Pottawattamie NRCS
A&L Heartland Laboratories	Pelgas, Atlantic
Menafee Tent Rental	Pharmacia & UpJohn
Riverside Animal Hospital	JW Freund Farms
Son-Tan Farms	Atlantic Animal Health Center
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Practical Farmers of Iowa	Leopold Center for Sustainable Agriculture
Shared Visions	Vision 2000

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