Development of Research Farms

Bernard J. Havlovic
Iowa State University, bhavlovi@iastate.edu

Follow this and additional works at: http://lib.dr.iastate.edu/farms_reports
Part of the Agricultural Science Commons, and the Agriculture Commons

Recommended Citation
Havlovic, Bernard J., "Development of Research Farms" (2002). Iowa State Research Farm Progress Reports. 1557.
http://lib.dr.iastate.edu/farms_reports/1557

This report is brought to you for free and open access by Iowa State University Digital Repository. It has been accepted for inclusion in Iowa State Research Farm Progress Reports by an authorized administrator of Iowa State University Digital Repository. For more information, please contact digirep@iastate.edu.
Development of Research Farms

**Abstract**
Includes:

Armstrong Farm
Lauren Christian Swine Farm
Neely-Kinyon Farm

**Disciplines**
Agricultural Science | Agriculture
Development of Research Farms

Bernard Havlovic, farm superintendent

Armstrong Farm
The research farm continues to grow and develop in its ninth year of operation. Erosion control improvements were made to the farm’s southwest 80 in mid-April, when 3,650 feet of narrow-based terraces were constructed and seeded. The southwest 80 also was the site of construction of the farm’s wetland demonstration area, completed June 2001. Both surface and tile drainage water from a 23-acre area is filtered through three wetland berms prior to exiting the property.

Several improvements to the farm’s feedlot area were completed in 2001, including reshaping of the west mound and installation of a landscaping fabric in the cattle-working pen to improve drainage. Extensive improvements were made to the farm residence following spring hailstorms. These included replacement of the old roof and chimney with new sheeting and asphalt shingles.

Lauren Christian Swine Farm
Significant scheduling changes were made in 2001, when the farm converted from a weekly farrowing schedule to a biweekly farrowing. Other changes designed to better accommodate ongoing research projects included conversion of the automated feeding system in the east hoop structure to feeding stalls as well as improvements to the auger feeding system in the nursery buildings.

Neely-Kinyon Farm
Thirty acres of the Neely-Kinyon Farm, including the 17-acre block for the Long-Term Agroecological Research (LTAR) study, were “certified organic” in 2001. Remaining portions of the farm are in the three-year transitioning process leading toward organic certification.

Field Experiments. Seventeen new field experiments were established at all the farms in 2001, and a total of 71 research projects, demonstrations, and training courses were conducted by ISU research and extension staff representing six departments. The farm has become a major supplier for research project pigs for scientists on the ISU campus as well as other outlying research farms.

New experiments established at the Armstrong Farm:
- Animal Manure Time-of-Application Study
- Soil Test Nitrogen and Carbon Experiment
- Long-term Crop Rotation/Nitrogen Study
- Winter Triticale Variety Trial
- Corn Seed Treatment Study
- Corn Row Spacing Study
- Soybean Bean Leaf Beetle Insecticide Evaluation
- All-America Selections Display Garden
- Flowering Shrub Demonstration Planting
- Vitamin D in the Feedlot Ration Study
- Yeast in the Starter Feedlot Ration Study
- Implant Comparison for Feedlot Cattle
- Feedlot Management Shortcourse

New experiments established at the Lauren Christian Swine Farm:
- USDA Nursery Pig Feeding Trial
- 4-H Pig Project
- Mycoplasma Pneumonia Trial

New experiments established at the Neely-Kinyon Farm:
- Organic Grape Production Study
- Organic Measures to Control Soybean Seed Staining
- Edamame Soybean Evaluation
- Year-round Beef Cattle Grazing Demonstration