

## 2007 Review - Animal Science Teaching Support Group South State Avenue, Ames, Iowa

### A S. Leaflet R2373

Bob Hibbing, operations superintendent

#### History

The Animal Science Teaching Support group has existed since the mid 1960's, when the livestock production demonstration units for Beef, Sheep, and Swine were moved off campus. Two full time staff and one to four student employees have provided a variety of services for the teaching program. In the early 1990's, ISU Farm Service was closed, and the support group absorbed some of their services, notably, forage harvesting at teaching farm units.

#### Present Facilities

Buildings currently used include a brick 65'x113' barn housing an office, a shop, and equipment storage. The barn was re-roofed with metal in the fall of 2001 and received new windows on the south upper wing in 2006

Other buildings primarily used for equipment and forages storage include a 28'x48' corncrib, a 20'x84' machine shed, and a 29'x93' machine shed. Four old Quonset buildings have also been put up on 6' high railroad ties for additional shed space.

#### Equipment

The support group maintains the following equipment which is used by all of the teaching farms. Hours of use per species unit is recorded, and repairs and replacement costs are prorated accordingly. Equipment used includes 7 tractors, 2 field mowers, 2 lawn mowers, 2 skid loaders, 3 manure spreaders, 4 field rakes, 8 flat racks, 3 barge or other wagons, 3 livestock trailers, and various shop and feeding equipment.

#### Mission

To serve the teaching farms in their needs for equipment, forages, facilities, fertility, waste, weed, and livestock management.

#### Contributions

Mow about 900 acres per year

Large round bale about 2500 bales of hay and bedding per year

Small round bale and handle about 9000 bales per year

Establish about 25 acres per year in alfalfa or alfalfa/grass

Service and provide minimal repairs on all equipment

Work with ISU Facilities Planning and Management (FP&M) to install ceilings, roofs, fences, bathrooms (FP&M

provides materials; Teaching Support crew provides labor and expertise)

Work with FP&M to maintain buildings. Teaching Support group is first call; FP&M is knowledgeable notified for legitimate "cost-center" items such as furnaces, fans, ballasts, doors, drain problems.

In 2007, the lighting, outlets, and heating requirements for the new Beef Teaching A.I. shed were installed by the support staff.

Maintain approximately sixty livestock waterers. In 2007, 15 waterers were replaced with new equipment.

Move snow as needed for classes and feeding operations

Work with ISU's Land Manager on Manure Management Plan

Coordinate pumping of 950,000 gallons of liquid manure

Maintain pesticide applicators certification

Provide setup/teardown/cleaning labor for teaching labs and animal events

Provide safety training and equipment training oversight

Provide continuity amidst changing student and graduate-student workers and in carrying out administrative directives.

Maintain mortality composting site – turning, hauling material, cleaning.

Facilitate local research, including waste handling, utility and facility repairs.