

## 2006 Review - ISU Horse Teaching Farm Pammel and Stange Roads, Ames, Iowa

### A.S. Leaflet R2246

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Animal Science Horse Teaching Unit

#### History

The need for a horse barn was established in 1868 by the Iowa State College trustees, but construction did not begin until 1870. In 1900, the original barn was razed and a new barn built which would serve as the Horse Barn. In 1923, construction began on two new barns and the Horse Farm was moved to what is now the corner of Pammel and Stange Roads. The center wing was constructed in 1926 completing a U-shape design with the two barns. A third barn was built in 1927 and used as a horse barn until 1957 when it was remodeled for use in basic ruminant nutrition research. This barn was reassigned to the Horse Farm in the 1990's though it still bears the name of Ruminant Nutrition Lab.

#### Mission

To provide the highest quality active learning environment that promotes life-long learning in both career and life skills for students dedicated to horses while serving the equine community through extension and outreach activities.

#### Facilities

Two barns and a central archway create a u-shape structure with a courtyard that has been fenced in to serve as a turnout paddock. The west wing consists of six large box stalls, 15 tie stalls, feed room, and student apartment. While it has been designated as the stallion barn, the tie stalls are used by students for various classes. The central archway contains an enclosed lab and equipment and bedding storage area. The lab houses a high-speed equine treadmill used for research and teaching and a set of stocks used for treatment and grooming. The east wing is made up of 7 large box stalls, 4 over-sized stalls that open out to paddocks, a feed room and a student apartment. This barn has been named as the mare barn but is generally a multi-purpose barn.

The third barn has been redesigned as the breeding barn. Due to the remodeling by the Ruminant Nutrition Group the barn is now climate controlled and houses two large foaling stalls, three box stalls, a breeding area with stocks, a teasing wall and collection phantom, a semen processing lab, a classroom and an office. In the fall of 2005, renovation began on the three barns. The windows were replaced in all three barns and all wooden doors were replaced. All additional exterior wood was repaired and

painted. There are a total of 12 paddocks on the Horse Farm. Three of these paddocks are designated for stallion turnout, four of them are attached to the over-sized stalls of the mare barn providing shelter and the others are multi-use paddocks, with the two larger paddocks containing shelters. An arena and two round pens are used for classes and additional turnout.

#### Farm Area and Land Use

There are two small pastures on the north side of the railroad tracks. Both pastures have shelters and automatic waterers were added in 2005 to allow use of the pastures throughout the winter months. A 15-acre pasture on the corner of 13<sup>th</sup> Street and Haber Road has heated water and is used year round to house broodmares and research geldings. Three pastures totaling 20 acres at the old dairy farm site on Mortensen Road are used for grazing. Water must be hauled out due to lack of running water preventing use of the pastures during the winter.

#### Classes

ANS 101 Lab – farm visit that covers facilities, breed types and general uses of horses.

ANS 216 - Equine Science – basic equine science designed to increase the student's knowledge of horses and the horse industry.

ANS 217 - Horse Management Marketing Enterprise – intensified management of equine enterprises through facility management, web development for advertising and marketing and research of commercial facilities.

ANS 316 - Training the Horse – course that discusses the principles of horse behavior and training with each student assigned a horse to train through biting, longeing, saddling and riding.

ANS 332 – Lab Methods in Reproduction – farm visit that includes setting up an a.v., collecting a stallion, processing and analyzing semen and inseminating a mare.

ANS 336 – Livestock Behavior – farm visit that covers basic equine behavior demonstrations.

ANS 415 - Equine Systems Management – teaches management techniques including current topics of concern in the horse industry, nutritional and breeding management, business management, advertising and marketing.

ANS 417 - Horse Management Breeding Enterprise – hands on experience in facility management, breeding management and student supervision.

#### Horse Teaching Herd

Approximately 50 head of horses either owned by the university or leased for teaching purposes are housed on the farm. The Horse Farm currently stands one Thoroughbred

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stallion, one Paint stallion, and 1 Quarter Horse stallion with two of those stallions being owned by the university. The broodmare band is comprised of approximately equal numbers of Thoroughbreds, Quarter horses, and Paint mares. Between 10-15 foals are produced every year and are used for teaching purposes and then sold to the general public. Four canulated geldings are maintained for teaching and research needs.

### Extension

At the beginning of the breeding season, a breeding management clinic open to the public is held in February

that teaches mare and stallion physiology, hormone treatments, foaling problems, stallion collection and semen processing, and artificial insemination.

### Outreach Activities

4-H Round Up  
Numerous farm tours for area schools  
Horse Barn Open House

### Other Activities

Block and Bridle's Little North America  
VEISHEA pony rides

