

Equine

UPDATE

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

Department of Animal Sciences & Industry

August 1997

Where are the Horses Located in Kansas?

Have you ever wondered how many horses are in the state of Kansas? Or where they may be located? Or how much the average person spends on equine care? The Kansas Equine Survey, released this past spring, has all this information available and may be of use to Chambers of Commerce or local businesses trying to attract equine activities and/or potential businesses. The top 10 counties, in terms of total equine and their reported value, are:

	<u>Equine (#)</u>	<u>Value</u>
1. Sedgwick	6,515	\$ 11,858,000
2. Johnson	4,455	\$ 10,884,000
3. Reno	3,325	\$ 5,960,000
4. Butler	3,260	\$ 4,883,000
5. Franklin	2,875	\$ 5,385,000
6. Saline	2,355	\$ 3,134,000
7. Montgomery	2,325	\$ 6,786,000
8. Jackson	2,150	\$ 2,447,000
9. Shawnee	2,110	\$ 4,435,000
10. Miami	2,015	\$ 3,627,000

The state has a total of 103,000 equine with a reported value of \$183,019,000.00. If one takes into account land, fences, vehicles, equipment, tack and feed; Kansans have a little over *\$1 Billion* dollars invested. The breed most represented in the state is the American Quarter Horse with 58,900. The second and third most popular breeds are the Pinto and Paint horses (7,050) and the Arabian (6,000).

According to the survey, Kansans spend approximately \$342.82/head/year on feed, \$59.20/ head/year on veterinarian fees, \$17.09/ head/year on "other health," and \$56.12/head/ year on farrier

expenses. This comes to about \$475.23/head/year or \$1.30/head/day for animal maintenance costs. Recognize this figure represents an average across all types of management programs. The figure is probably an under estimation for horses housed in stalls and slightly high for horses pastured.

Kansas State University Well Represented at Equine Nutrition & Physiology Society Meetings

Students from K-State's Department of Animal Sciences & Industry recently presented the results of several research projects at the Equine Nutrition & Physiology Society's meeting. Presentation titles and authors include:

1. "*Effects of exogenous porcine somatotropin administration on reproductive efficiency, milk production, and milk composition*" L.S. Lugar, R.H. Raub, M.J. Arns & J.P. Kayser.
2. "*Effects of density gradient composition on in vitro maturation of stallion sperm*" J.L. Turner & M.J. Arns.
3. "*Effect of different salt solutions on the motility of cold-stored stallion spermatozoa*" G.W. Webb (Colby Comm. College) & M.J. Arns.
4. "*Preserving Reproductive tracts: An old method revisited*" T.J. Rathbun & M.J. Arns
5. "*Transforming growth factor beta-1 concentration in synovial fluid from horses of various ages*" L.D. Anderson, R.H. Raub and D.M. Grieger.

The ENPS meetings attract equine scientists, educators and extension personnel from across the United States and several foreign countries. The abstracts for the K-State presentations are available from Mark Arns.

K-State to Release New Equine Ration Balancing Program This Fall

K-State Research and Extension has offered a number of software programs used to evaluate different feeding programs for cattle and sheep. This fall, *K-Horse*, a ration program for horses, will be available from K-State Research & Extension.

The programs are designed so that producers and agents can do quick checks to determine if a feeding program is meeting the nutrient requirements of the animal. The programs evaluate only the "major" nutrients, and, thus, have some limitations to their use. The programs are intended to be very user friendly and to allow novices to check the basic nutrition program of their animals. Adjustments can be made for weight gains, weather conditions, reproduction, growth, etc.

K-Horse will allow users to determine whether or not adequate amounts of energy, protein, lysine, calcium, phosphorous, copper and zinc are included in the diet. The program was developed by Cathy Bandyk, Extension Assistant, and Mark Arns, Extension Specialist—Horses. Instructions for ordering will be available in the next issue of the *Equine Update*.

Equine Reproductive Management Schools Set for This Winter/Spring

This fall will mark the eighth year that K-State Research & Extension, in cooperation with Colby Community College, will offer workshops on Equine Reproductive Management. The schools are scheduled for November 15–16, 1997, March 14–15, 1998, and April 4–5, 1998.

The schools offer approximately eight hours of instruction and eight hours of "hands-on" activities. The lectures will cover basic reproductive physiology of the mare and stallion. Wet labs will allow participants to become comfortable with semen collection, evaluation and processing for on the farm use and when used in a semen transportation program.

The schools are limited to 10 active participants and 10 non-active (lectures and lab observation, no live animal work) participants. Fees range from \$150 (audit) to \$425 (active) and include all lectures, labs, meals, text (active only), supplies, and semen transportation device (active only). For further information contact Mark Arns at 785-532-1246 or Gary Webb at 785-462-3984 (Ext. 255).

K-State's Department of Animal Sciences & Industry Hires New Horse Unit Manager

Jason Turner has accepted managerial duties for the Department of Animal Sciences & Industry's Horse Unit. Jason will oversee the every day management of the unit and will teach the Equine Reproductive Technologies course this spring. Jason replaces Pat Kayser who has resigned to pursue his graduate studies.

Jason completed his bachelor's degree at Oklahoma State University and his master's degree in equine reproductive physiology from Kansas State University. Prior to returning to K-State, Jason served as the Livestock Coach at Fort Scott Community College.

We look forward to having Jason on board. If you're in the neighborhood, feel free to stop in at the Horse Unit, as Jason looks forward to meeting and working with the State's producers.

Horseman's Conference Scheduled for March 7, 1998

The 16th Annual KSU Horseman's Conference is scheduled for March 7, 1998, and will be held at the K-State Student Union. The conference will be similar to last year's and will feature an educational session and the industry-sponsored trade show. The KSU Invitational Horse Sale will follow the conference.

Although speakers are still being lined up, tentative topics for this year's presentations include "*Trailing Horses: What Does the Horseman Need to Consider in Regards to Hauling and Purchasing a Trailer?*" "*Emergency Care: What Do Horsemen Need to Know in Case of an Emergency? And What Should be Kept on Hand?*," "*Bits & Bitting: What are some of the popular bits today? How do you determine what constitutes a good bit?*," "*Massage Therapy: What is it? Where does it fit into an Animal Maintenance Program?*," "*Fashion Tips for Showing: What can be Done to Create a Professional Image While on a Budget?*" If you have a particular interest or speaker suggestion, please feel free to contact Mark Arns or Monika Walburger with any suggestions. A tentative schedule should be available in the next issue of the *Equine Update*.

Kansas State Fair to Hold Ground Breaking Ceremonies During State 4-H Horse Show for the "F. E. Bliss" Office Complex

Shortly after Mr. Bliss' death in September 1994, the assistant superintendents of the different breed and youth horse shows formed a committee to raise funding to build an office complex in his memory. The F. E Bliss Memorial Fund has reached it's goal of \$14,000.00. The fund will be matched by

the Kansas State Fair, thus making the addition of the new office and announcers stand a reality. The office complex will be located in the Exhibition Center. Construction is set to start following completion of the 1997 Fair and will be completed by the 1998 Fair.

Ground breaking ceremonies will be held during the State 4-H Horse Show on Saturday, September 13, at 3:00 p.m.

Upcoming Events

August

26 Horse Project Action Committee Fall Meeting

October

11–12 Fall Horsemanship/Horse Training Clinic

18–19 American Royal 4-H Horse Show

November

15–16 Equine Reproducing Management School

March 1998

7 16th Annual KSU Horseman's Conference

14–15 Equine Reproducing Management School

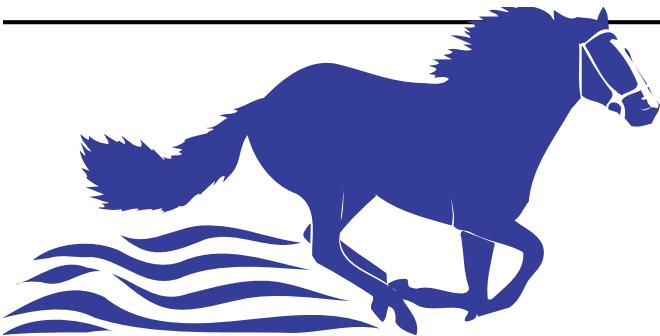
April 1998

4–5 Equine Reproducing Management School

Notes:

COOPERATIVE EXTENSION SERVICE
U.S. DEPARTMENT OF AGRICULTURE
KANSAS STATE UNIVERSITY
MANHATTAN, KANSAS 66506

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

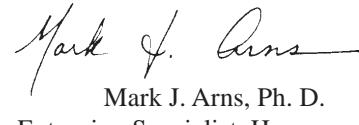


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Agricultural Experiment Station
and Cooperative Extension Service**

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K-State, County Extension Councils and U.S. Department of Agriculture Cooperating.
All educational programs and materials available without discrimination on the basis of race, color, religion, national origin, sex, age or disability.



A handwritten signature in black ink that reads "Mark J. Arns".

Mark J. Arns, Ph. D.
Extension Specialist, Horses