



September 22, 2006

UPCOMING DATES:

September 26, 2006
Goat Production Meeting
Perry County

September 28, 2006
Winter Feeding Cattle
Ripley Co. Fairgrounds
Doniphan, MO

October 5, 2006
Winter Feeding Cattle
Reynolds County

October 5-7, 2006
Madison County Fair
Fredericktown, MO

October 12-14
Iron County Fair
Ironton, MO

October 27, 2006
SEMO Bull Sale
Farmington Livestock Barn

October 31-November 2
Cattle Artificial
Insemination School
Wayne or Butler County

November 2, 9, 16
Horse Seminar
Piedmont, MO

December 2, 2006
Show-Me-Select Heifer sale
Fruitland, MO

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GOAT PRODUCTION MEETING:

Nutrition and parasite control are topics of a goat production meeting being held on September 26, 2006 at the Don Light farm in Perryville. Speakers for the program include Rebecca Atkinson, PhD in Animal Science Food and Nutrition from Southern Illinois University, Carbondale, and myself. Dr. Atkinson will be speaking on parasite control and nutrition. I will cover hay testing and by-product usage in goat rations. Don Light will also speak about his goat operation and we will have a short tour of his farm. There is no fee for the program and refreshments will be served. We ask that you please pre-register with the Perry County Extension office by calling 573-547-4504 before September 25th. Remember to bring your lawn chairs!

Don Light's farm is located at 13878 Hwy B. Take I-55 exit 123 south (Highway B) past Buchheits Feed Mill, JoAnn's Greenhouse, and Apple Creek Bridge. Take the second lane to the right and go for about 1/2 mile until a pavilion. (Watch for signs.)

PASTURE MANAGEMENT AND WINTER FEEDING BEEF CATTLE:

Winter is fast approaching and you should start planning now on how you are going to feed your cattle through the winter. Hay may be in short supply or low in quality and other feeding methods may be required to maintain your cattle through the cold months.

The Ripley County Extension Council is sponsoring a program on pasture management and winter feeding beef cattle. The program will be held Thursday, September 28, 2006 from 6:30 to 9 p.m. inside the 4-H building at the Ripley County Fairgrounds in Doniphan. Speakers and topics to be covered include: Bruce Beck, Agronomy Specialist speaking on fall pasture management and stockpiling fescue; Russell Ramsey, Ag Business Specialist speaking on prevention of hay waste and economics of substituting corn for hay; Kendra Graham, Livestock Specialist speaking on winter feed rations and nutrient requirements of beef cows.

We ask that you pre-register for this program by calling the Ripley County Extension office at 573-996-2921. There is a \$5 per person charge to cover program costs.

A similar program will be offered in Reynolds County October 5. For more information or to register call the Reynolds County Extension office at 573-663-2251.

SEMO BULL SALE:

The SEMO Bull sale will be October 27 at 7 p.m. in the Farmington Livestock Auction barn. We have 52 bulls consigned including 30 Angus, 6 Purebred Simmental, 4 $\frac{3}{4}$ Simmental, 9 Charolais, and 3 Polled Herefords. The weighing and grading will begin at 8 a.m. Friday morning if anyone wants to attend.

CATTLE ARTIFICIAL INSEMINATION SCHOOL:

If you are interested in learning how to artificially inseminate your cattle there will be an AI school October 31 through November 2. The school will be held in the evenings starting at 5:00 p.m.. We must have a minimum of 7 people to hold the school. Costs will run in the neighborhood of \$400 to \$450 per person but you can get a \$200 rebate when purchasing semen. The location is still unknown but the two possibilities are Wayne and Butler counties. Call me soon to sign up.

SHOW-ME-SELECT HEIFER PROGRAM:

The fall Show-Me-Select heifer sale will be Saturday, December 2, 2006 at the Fruitland Livestock Auction barn. The sale starts at 1 p.m. but heifers will be ready for viewing at 8 a.m. that morning. There will be about 200 heifers for sale. This is a great opportunity to buy some good genetics to help improve your herd.

HORSE PRODUCTION COURSE:

Wayne County Extension is offering a three-evening horse program focusing on several aspects of horse production on Thursdays, November 2, 9, and 16, 2006. On November 2nd Mark Kennedy, NRCS grasslands specialist, will speak about horses pastures followed by Greg Onstott, Animal ID Specialist—Missouri Department of Agriculture, who will speak on the National Animal ID program. November 9th will focus on horse nutrition and foaling with Dr. Preston Buff, post-doctoral fellow with University of Missouri Veterinary Biomedical Sciences. The third evening, November 16, a veterinarian will speak about horse health and diseases. For more information contact the Wayne County Extension office at 573-224-3035.

DISTILLERS GRAINS:

It is well-known that Sikeston will be a location for an ethanol plant. This plant will take in 35.6 million bushels of corn each year and put out 100 million gallons of ethanol and 320,000 tons of distiller's grains per year. The question that arises is how do you feed distillers grains to livestock? Research is limited at this point but all studies have shown that distillers grains can be economically fed to beef, dairy, horses, rabbits, dogs, sheep and swine. Some studies have also shown that distillers grains can be fed to cattle free-choice with no negative effects and the feed acts as a self-limiter. One of the biggest challenges to feeding distillers grains is the handling. Some ethanol plants offer condensed distillers solubles (CDS) which is a very wet feed sometimes fed in lick tanks. The CDS generally only last 3-4 weeks during the winter and 1-2 weeks during the summer before molding. Another product, dried distillers grains (DDGS) can be light, dusty and very hard to handle. It will be a while before the Sikeston ethanol plant is open for business but you may want to consider how you could benefit from feeding distillers grains in your livestock operation.

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DISTILLERS GRAIN CATTLE STUDY:

During the 2005-2006 winter, a research study was performed on heifers at the MU Forage System Research Center (FSRC) in Linneus, MO. The three treatments consisted of #1: hay and 5 lbs. of soy hulls; #2: hay and 5 lbs. of soy hulls with the addition of 2 pounds of condensed distillers solubles (CDS); #3: hay and 5 lbs. of soy hulls with the addition of free choice CDS in a wheel lick tank. Weights were gathered and reproductive information was evaluated. Beginning weights were taken on 12/2/06 and end weights were taken on 3/15/06. Below is the results.

	No CDS Trt 1	Limit Fed Trt 2	Free Choice Trt 3
Beg wt.	634.8	637.7	627.7
End Wt.	805.1	839.9	874.4
103 d. ADG	1.66	1.96	2.4
ADG Diff from control	0	0.3	0.74
Avg, Daily CDS lbs/hd/day	0	2	13.3
Cost of CDS hd/day	0	\$0.02	\$0.133
Cost of additional gain	0	\$0.07	\$0.18
Pelvic area	172.4	183.1	176.5
Reproductive tract score	4.05	3.95	3.9
Hip height	49	48.5	48.6
AI pregnancy totals	9/15	10/15	13/20
AI pregnancy percentage	60%	67%	65%

HAY TESTING:

We have recently received a grant to do a hay testing program. Through this program we will sample the hay of 30 different producers, analyze it and review the results making recommendations on how the hay matches the livestock nutritional needs and if supplementation is necessary. Bruce Beck or I will travel to each farm to do the sampling with no cost to the producer for the test. An evening program will be held to inform producers how to read the test result. This grant is limited to Wayne County producers only. If you are interested in having your hay sampled please let me know. We will select the 30 producers on a first-come-first-served basis. We will also try to make sure the hay sampled came from different locations or different cuttings.

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