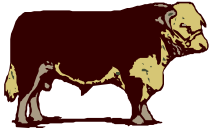




UNIVERSITY OF CALIFORNIA
COOPERATIVE EXTENSION~SUTTER/YUBA COUNTIES
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HERD 'ROUND THE RANGE

March 2003

BEEF & RANGE FIELD DAY
UC SIERRA FOOTHILL RESEARCH & EXTENSION CENTER
APRIL 17, 2003

AGENDA

This year's program at the Field Station will focus on cattle grazing and rangeland topics.

- 9:30a.m. Welcome – Mike Connor, Superintendent, UC-SFREC
9:45a.m. How to Tell Nutrition by Looking at Cow Pats - Roger Ingram & Angie Jinks,
10:10a.m. Management of Rangeland Weeds - Glenn Nader
10:35a.m. Riparian Friendly Grazing - Theresa Ward
11:15a.m. Porter Creek Area - (3/15 minute sessions)
 1. Fire impact on Range Species - Neil McDougald
 Replacement Value of lost forage - Dustin Flavell,
 2. Fire and Grazing Impacts to Oaks - Doug McCreary,
 3. Grazing Riparian Areas - Theresa Ward
- 12:30p.m. LUNCH – Tri-tip BBQ
During Lunch: CCA Officers Industry Update
- 1:45p.m. Travel to out in to the field to see research projects
2:15p.m. Using GPS Collars on Cows to Study Grazing Behavior - Mel George
2:35p.m. Ungrazed Buffers for Filtering Runoff - Ken Tate
2:55p.m. Wildlife Pathogens - Rob Atwill
- 3:15p.m. Return to SFREC Headquarters and adjourn

For more information or directions see the SFREC web site at
http://danrrec.ucdavis.edu/sierra_foothill/home_page.html

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THE UNIVERSITY OF CALIFORNIA PROHIBITS DISCRIMINATION AGAINST OR HARASSMENT OF ANY PERSON ON THE BASIS OF RACE, COLOR, NATIONAL ORIGIN, RELIGION, SEX, PHYSICAL OR MENTAL DISABILITY, MEDICAL CONDITION (CANCER-RELATED OR GENETIC CHARACTERISTICS), ANCESTRY, MARITAL STATUS, AGE, SEXUAL ORIENTATION, CITIZENSHIP, OR STATUS AS A COVERED VETERAN SPECIAL DISABLED VETERAN, VIETNAM-ERA VETERAN OR ANY OTHER VETERAN WHO SERVED ON ACTIVE DUTY AUTHORIZED). UNIVERSITY POLICY IS INTENDED TO BE CONSISTENT WITH THE PROVISIONS OF APPLICABLE STATE AND FEDERAL LAWS. INQUIRIES REGARDING THE UNIVERSITY'S NON-DISCRIMINATION POLICIES MAY BE DIRECTED TO THE AFFIRMATIVE ACTION/STAFF PERSONNEL SERVICES DIRECTOR, UNIVERSITY OF CALIFORNIA, AGRICULTURE AND NATURAL RESOURCES, 1111 FRANKLIN, 6TH FLOOR, OAKLAND, CALIFORNIA 94607-5200 (510) 987-0096.

MIDWEST BEEF TOUR

The California Beef Cattle Improvement Association (CBCIA) is organizing an educational Midwest Tour. If you are interested in seeing first hand what happens to those cattle you ship or intend to ship to the Midwest to feed and harvest, curious about alternative programs to help you market your cattle, and current academic research on beef cattle? Then, you may want to join CBCIA and California Cattlemen's Association (CCA) on a tour of the Midwest beef cattle industry on May 19 to May 22, 2003.

A complete copy of the itinerary can be viewed on the CBCIA Web Page at <http://calcattlemen.org/cbcia> or can be provided via fax by calling one of the three contacts at the bottom of this article. Each individual or couple will be responsible to arrive at the NCBA office at 2:00 pm central time, Monday, May 19th to start the tour. The NCBA address is 9110 East Nicholas Avenue, Suite 300, Centennial, CO, phone number 303.694.0305. Transportation to NCBA is available at the airport. Transportation, via tour bus, will be provided for the balance of the tour.

Tour space is limited to one tour bus with an allotted capacity for 40 individuals. The total cost, per person, will vary for the tour bus and hotels depending upon single or couple/double occupancy of the hotel. The total cost per person is as follows:

Couples/Double Occupancy - \$258.00 (\$516.00/couple) - (Read Note below)
Single Occupancy - \$347.00 - (Read Note below)

NOTE: If you are traveling by yourself, we will try to match you with a roommate to secure the Couples/Double Occupancy rate to reduce the per person cost. However, that may not always be possible, thus you would be charged a single occupancy rate as stated above. A single occupancy rate will be charged to those specifically requesting single accommodations, subject to availability.

Costs for restaurants, airline arrangements, and other incidental expenses will be borne by each individual or couple. April 15, 2003 is the cut off date for paid reservations. Send your non-refundable check to CBCIA, 644 Coolidge Street, Davis, CA 95616. We will, however, refund your money in case of an emergency.

For additional information please contact:

Jerry Johnson, (530)639-8806, e-mail: gjohnson@ucdavis.edu

Dr. Jim Oltjen, (530)752-5650, e-mail: jwoltjen@ucdavis.edu

Terry Jochim, (530)274-9543, e-mail: dustytrl@cattlemen.net

LOCAL MINERAL NUTRITION

Many ranchers are asking what they should provide in the way of minerals for their animals. The best way to know what to supplement is to work with your veterinarian to test your animals. Another way is to look at other existing test results in your area. Below is information that was put together by UC Livestock Farm Advisor, Dan Drake and UC Extension Veterinarian, John Maas based on UC field research projects and animal submissions to the Diagnostic Laboratory at the UCD Vet School. It will give you a good picture of the mineral status of beef cattle in Yuba and Sutter Counties. For more information refer to the following web site - <http://animalscience.ucdavis.edu/Projects/MineralProject/>

YUBA COUNTY MINERAL DATA

◆ Selenium

339 samples in Yuba County had an overall whole blood selenium average of 0.032 ppm, which is considered deficient (less than 0.04 ppm). The lowest individual cattle were 0.011 ppm, while the highest was 0.15 ppm, which is adequate. Samples selected randomly throughout the county (to represent all cattle) had an average whole blood selenium level of 0.027 ppm, clearly deficient.

Beef heifers (n=99) sampled at near Loma Rica had a whole blood selenium value of 0.0165 ppm. Cattle (n=85) near Marysville had levels of 0.030 ppm. The area around Brown's valley had herd averages (n=96) of 0.043 ppm. This contrasts to cattle near Linda with a herd average of 0.081 ppm. However, these cattle (n=12) were Holstein cows and may not accurately reflect beef cattle and their management.

Therefore, cattle in Yuba County are usually selenium deficient but depending on specific management or possibly location (near Linda) may be adequate. Until further work identifies better associative factors, individuals should conduct sampling to assess their selenium status.

◆ Copper

Samples (n=25) selected at random from throughout Yuba County had an average serum copper level of 0.78 ppm, which is considered adequate. This evidence would suggest copper is usually not a problem in Yuba County. However, limited Class 3 liver samples show a wide variation in Cu levels with some deficient. Cattle that are symptomatic of copper deficiency should be tested for copper levels.

◆ Zinc

Limited data suggests adequate Zn levels.

◆ Phosphorus

Insufficient data are available for conclusions.

SUTTER COUNTY MINERAL DATA

◆ Selenium

Samples from 7 herds (64 head) had an average whole blood selenium value of 0.039 ppm, which is barely deficient (less than 0.04 ppm). Usually cattle at these levels will respond to supplemental selenium. It is likely that individual cattle and herds will vary. Thus, individual herd sampling is recommended.

◆ Copper

Samples from 7 herds and 35 head had an average serum copper value of 0.69 ppm, which is adequate (0.7 ppm or more). Usually cattle at these levels will not respond to supplemental copper. Due to the small number of samples, individual herd sampling is recommended.

◆ Zinc

Insufficient data are available for conclusions.

◆ Phosphorus

Insufficient data are available for conclusions.

Dates to Remember

April 17.....UC Sierra Foothill Research & Extension Center Field Day

THIS ISSUE CONTAINS

- ◆ UC SIERRA FOOTHILL RESEARCH & EXTENSION CENTER FIELD DAY
- ◆ MIDWEST BEEF TOUR
- ◆ LOCAL MINERAL NUTRITION

COOPERATIVE EXTENSION
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