

SISKIYOU STOCKMAN

What's New in the "Top of the State".

*A report for Siskiyou Livestock Producers put out by the Farm Advisors Office,
Cooperative Extension of the University of California, located at 1655 South Main Street, Yreka, California 96097*



October 2005

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- Artificial Insemination Symposium
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Calendar

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| Oct 18 | Public meeting on Draft Scott River TMDL report. Miner's Inn, Yreka, CA 6 p.m. |
| Oct 27 & 28 | Artificial Insemination and Reproduction Symposium, Reno, NV |
| Oct 29 | Annual Dinner Meeting, Siskiyou County Cattlemen and CattleWomen, Community Center, Yreka, CA |
| Nov 16-18 | California Cattlemen's Association Annual Convention, Reno, Nevada |
| Dec 4-7 | California Farm Bureau Annual Meeting, Monterey, CA |
| Dec 13-14 | California Alfalfa and Forage Symposium, Visalia, CA |
| Jan 6, 2006 | Special Feeder Sale, Cottonwood, CA |

Public Meeting on Draft Staff Report for the Scott River Watershed Sediment and Temperature Total Maximum Daily Loads (Scott River TMDLs)

A public meeting by the North Coast Regional Water Quality Control Board is scheduled for Tuesday, October 18, 2005, 6:00 p.m. at the Miner's Inn in Yreka on their action plan for the Scott River TMDLs (Total Maximum Daily Loads). All interested persons are invited to attend to hear the plan and provide comments. The plan can be obtained in advance from:

<http://www.waterboards.ca.gov/northcoast/programs/tmdl/scott/scott2.html>

At some time after the public meeting and the Board's response to comments the plan will be considered for adoption. It is important to provide comments at this time for possible inclusion in the Board's plan.

Artificial Insemination Symposium

Artificial insemination continues to expand as a key method to tap into superior genetics and is becoming more cost effective. Advances in synchronization methods and tools have helped to

make successful AI more likely. However, for many producers it is a new adventure. To increase the likelihood of that adventure being enjoyable and successful, some education is needed. I encourage you to attend a conference in Reno, Nevada on October 27th and 28th. The program has been conducted in several states and been highly successful. It is not too late to signup. Use the attached entry form or make a direct phone call.

**Siskiyou County
Cattlemen’s Fall Meeting**

Speakers at the annual Siskiyou County Cattlemen’s Association Fall meeting include Mr. Bill Dale from the California Beef Council, and Sheriff Rick Riggins. Mr. Dale will cover promotion of beef in California and Sheriff Riggins will increase our awareness of possible confrontations in the mountains of Siskiyou County during gathering and herding of cattle. The dinner is set for Saturday, October 29th at the Yreka Community Center starting with a social hour at 6 p.m. and dinner at 7 p.m.

The meeting will include a beef dinner and the opportunity to visit with friends and business associates. The Siskiyou County CattleWomen have also prepared auction and raffle items to support their efforts throughout the year.

Contact any of the following members by Wednesday, Oct. 26th to make reservations for the dinner.

Cliff Munson	467-3403
Scott Thackeray	468-2684
Joe Sammis	397-3456
Jess Dancer	398-4294

Rex Houghton	459-5437
Jack Cowley	459-5506
J.T. Martin	459-5942
Stan Sears	459-3829

Seasonal Activities

Chores are changing from irrigation and haying, to calving and working livestock. Some areas have had problems with Trichomonosis so it is wise to carefully exam results from pregnancy checking and calf crops. Usually the first year of a trich problem shows only a small decline in reproduction. If left without any control, the second year may result in calf crops of 70 percent or less. Visit with your veterinarian regarding whether a vaccination program should be started on the cows. The breeding season will be starting soon, so consider getting the bulls tested for both breeding soundness and trich.

On the feeding spectrum, we see more problems with selenium deficiency with newly-calved cows on hay. As you work the cow herd this fall, consider both selenium and copper status. Boluses are available for both trace minerals as well as injections. Mineral mixes that may be more easily made available to the cattle during the winter months can also provide both selenium and copper. Sampling has shown most herds in Siskiyou County are selenium deficient and about half are copper deficient.

Another seasonal note, if you are using fly control ear tags remember to remove them when working cattle. Removing them will help reduce the tendency for flies to develop resistance to the chemicals in the ear tag.

THURSDAY, OCTOBER 27

- 7:30 am Registration
- 8:00 Welcome—Ron Torell
- 8:10 Follicular growth & the estrous cycle
Mike Smith
- 8:50 PGF_{2α} in estrous synchronization: history, efficacy and utilization
Jim Lauderdale
- 9:20 Estrous synchronization systems - GnRH
Darrel Kesler
- 10:00 Break
- 10:30 Estrous synchronization systems-MGA
Dave Patterson
- 11:10 Estrous synchronization systems - CIDR
Cliff Lamb
- 11:50 Questions for morning speakers
- 12:00 pm Lunch
- 1:00 Recommended estrous synchronization strategies
Ron Torell
- 1:15 Factors that influence fertility in natural and synchronized breeding programs
George Perry
- 1:55 Timing of vaccinations in estrous synchronization programs
Doug Hammon
- 2:25 Cost and comparisons of estrous synchronization systems
Sandy Johnson
- 3:00 Break
- 3:20 Puberty and anestrus: dealing with non-cycling females
Jeff Stevenson
- 4:00 Nutrition & reproduction interactions
Rick Funston
- 4:35 Supplementation and weaning strategies to optimize reproductive performance
Steve Paisley
- 5:15 Questions for afternoon speakers

FRIDAY, OCTOBER 28

- 7:30 am Registration
- 8:00 Welcome—Benton Glaze
- 8:15 Breeding soundness exams
Duane Garner
- 9:00 Insemination related factors affecting fertilization in estrous-synchronized cattle
Richard Saacke
- 9:45 Semen quality assessment and sexed semen
Duane Garner
- 10:05 Break
- 10:30 Industry application of technology in male reproduction
Mel DeJarnette
- 11:20 Questions for morning speakers
- 11:45 Lunch
- 1:00 pm Embryo transfer
Cliff Lamb
- 1:30 Reproductive tract scoring
Dave Patterson
- 1:50 Ultrasound - early pregnancy diagnosis and fetal sexing
Cliff Lamb
- 2:10 Break
- 2:30 Veterinarian panel — Utilizing advanced reproductive technologies
- 4:00 Adjourn

MODERATORS

- | | |
|----------------------|----------------------|
| Thursday, October 27 | |
| Morning | Jack Whittier |
| Afternoon | Clay Mathis |
| Friday, October 28 | |
| Morning | Dave Bohnert |
| Afternoon | Dale Zobell |
| Questions/Panel | Clell Bagley |

SPEAKERS

- Mel DeJarnette, MS**
Reproduction Specialist
Select Sires, Inc., Plain City, OH
- Rick Funston, PhD**
Assistant Professor, University of Nebraska
West Central Research and Extension Center
- Duane Garner, PhD**
Professor Emeritus, Animal Biotechnology
University of Nevada
- Doug Hammon, DVM, PhD**
Clinical Assistant Professor
Utah State University
- Sandy Johnson, PhD**
Assistant Professor and Livestock Specialist
K-State Research & Extension
- Darrel Kesler, PhD**
Professor, Animal Sciences and Veterinary
Clinical Medicine, University of Illinois
- Cliff Lamb, PhD**
Associate Professor, NC Research/Outreach
Center, University of Minnesota
- Jim Lauderdale, PhD**
Lauderdale Enterprises, Inc., Augusta, MI
- Steve Paisley, PhD**
Assistant Professor, Animal Science
University of Wyoming
- David Patterson, PhD**
Professor, Animal Science
University of Missouri
- George Perry, PhD**
Assistant Professor, Animal Science
South Dakota State University
- Richard Saacke, PhD**
Professor Emeritus, Dairy Science
Virginia Polytechnic Institute

Mike Smith, PhD
Professor and Department Head
Animal Science, University of Missouri

Jeff Stevenson, PhD
Professor, Animal Science & Industry
K-State Research and Extension

Ron Torell, MS
Area Livestock Specialist
University of Nevada Cooperative Extension

PANEL MEMBERS

James England, DVM, University of Idaho
John Maas, DVM, University of CA-Davis
Doug Hammon, DVM, Utah State University

COMMERCIAL DISPLAYS

Commercial products are an integral part of Applied Reproductive Strategies in Beef Cattle. Exhibitors will be present to discuss their products.

CONTINUING EDUCATION CREDIT HAS BEEN APPLIED FOR AND IS PENDING

OBJECTIVES OF ARSBC

- 1) Improve the understanding of the physiological processes of the estrous cycle, the procedures available to synchronize estrus and ovulation and the proper application of these systems.
- 2) Improve the understanding of methods to assess male fertility and how it affects the success of AI programs.



REGISTRATION FORM

**Applied Reproductive Strategies
in Beef Cattle
October 27-28, 2005**

Name _____
 Company Affiliation _____
 Address _____
 City, State, ZIP _____
 Daytime Phone Number _____
 E-Mail Address _____

Registration fee includes lectures,
proceedings, lunch & refreshment breaks.

- ___ Registration for Thur., Oct. 27 **\$150**
on or before Sept. 26
- ___ Registration for Fri., Oct. 28 **\$150**
on or before Sept. 26
- ___ Registration for Thur. and **\$200**
Fri., Oct. 27 & 28 on or before
Sept. 26
- ___ Save \$50 if staying at the **-\$50**
El Dorado Casino Hotel
- ___ Registration after Sept. 26, add **\$25**
late fee

TOTAL ENCLOSED _____

Make check payable to: **University of
Nevada-Reno Board of Regents**

Refunds, less a \$25.00 handling charge, will
be made if notification is received by Oct.
17, 2005.

RETURN FORM AND PAYMENT TO:

Ron Torell
Area Livestock Specialist
University of Nevada Cooperative Extension
701 Walnut
Reno NV 89801
(Please photocopy this form for additional
registrations.)

PRESENTED BY

This program is sponsored by the Cooperative
Extension Service and Western Beef Resource
Committee from Arizona, California, Colorado,
Hawaii, Idaho, Montana, Nevada, New Mexico,
Oregon, Utah, Washington and Wyoming. This
program is coordinated by the North Central
Region Bovine Reproductive Task Force; a
multi-state extension activity in cooperation
with the North Central Agriculture and Natural
Resources Program Leaders Committee and
the Cooperative State Research, Education
and Extension Service.

ACCOMMODATIONS

El Dorado Hotel Casino
345 N Virginia Street
Reno NV 89501
(800) 648-5966
eldoradoreno.com

Specify "Applied Reproductive Strategies in
Beef Cattle" and group code SUR1026 when
reserving rooms. Please reserve rooms by
September 26 for special rates. Deluxe
sleeping rooms are \$50 for weeknights and
\$90 for Friday through Sunday.

QUESTIONS? PLEASE CONTACT:

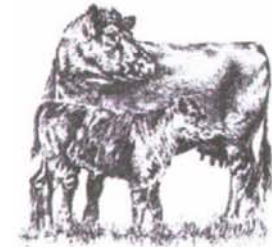
Ron Torell
(775) 738-1721
torellr@unce.unr.edu

Rick Funston
(308) 696-6703
rfunston2@unl.edu

<http://westcentral.unl.edu/beefrepro/>

**APPLIED
REPRODUCTIVE
STRATEGIES IN
BEEF CATTLE**

**October 27 & 28, 2005
El Dorado Hotel Casino
Reno, Nevada**



Sponsored by:



Western Beef Resource Committee



USDA Risk Management Agency



North Central Region Bovine
Reproduction Task Force

University of Nevada Cooperative Extension
 Ron Torell
 701 Walnut
 Elko NV 89801

westcentral.unl.edu/beefrepro/

Age, Source and Process Verification

Production practices that provide information to those further along in the production chain, feedlots and packers for example, are important in specialized marketing. This might be beef that has not received growth promoting implants, have never received antibiotics, are of a certain age or source. Age verification is especially important for export to Japan. Age and other attributes are difficult to verify except by documentation: recordkeeping. The proposed age verification for Japan is either through carcass evaluation for maturity or production records. When cattle have their ages, sources, or production practices documented, they bring higher prices at market. A UC Cooperative Extension study (Blank, Boriss, Forero and Nader), using video auction data from the west coast, found calves sold as “natural” brought a premium of \$1.11 to \$2.08/cwt (average \$1.60) from 1997 to 2003. Verification methods are limited and changing but some options are available.

The USDA has established standards for the verification process (not the actual practices) and a few larger companies and some breed associations have provided their operating procedures to the USDA for them to certify their verification systems. These would be programs that are “Process Verified Programs (PVP)”. A list of those companies can be found at: <http://processverified.usda.gov>, and an example is the Red Angus Feeder Calf program. A similar program but more limited in scope is QSA for Quality System Assessment. Some producers may want to work with those private entities to become verified in some aspect of production.

Producers that want to participate in official “verification” programs, PVP or QSA, may want to become involved with a company and fall under it’s umbrella program for verification. The company develops and maintains the approved program (twice a year audits by the USDA and ongoing internal audits), and the producer follows the operating procedures of the company.

When talking to potential PVP or QSA umbrella companies be sure they are approved for age

verification and ask what other criteria they can verify (source, breed, natural, etc). If they are not yet approved find out when they expect approval. Learn their requirements for verification. Producers that are vertically integrated with feedlots, packers and/or distributors may already be participating under the umbrella of the integrated firm.

Packers may still provide a premium to producers that can provide documentation of individual animals, age and processes even though not officially through an approved program. Some cow/calf producers have already captured additional value by simply signing statements to “verify” their practices when selling their calves with “added value”. These producers are not participating in a PVP or QSA program. These calves would not be verified by their records or their documentation but instead it is likely that the packers, for example, would use the information from the cow/calf producer to help confirm carcass maturity evaluation enabling them to sell the calves as age verified. That is, they could cross check the carcass evaluation with the paper documentation to help confirm the age of the cattle. To assist with this non-certified verification, the Board of Directors of the Siskiyou County Cattlemen’s Association and I have prepared documents and standards and are willing to provide a third party confirmation for age, source and process verification. Contact me if you are interested in this program.

For further information see:

<http://processverified.usda.gov/> or <http://www.iowabeefcenter.org/content/AgeVerificationForJapanBulletPointsAugust13.pdf>

Red Books Available

The attached order form can be used to get your "Red Book". Order now while supplies last. Red Books may serve as a tool to help with age or process verification. This type of verification has not been clearly defined and there is no universal method to verify age and processes, such as no growth promoting implants or antibiotics. However, the Red Books may serve as documentation that could help with the verification process.

Order Form for Red Pocket Calendar Books

Please send me _____ books at \$4.00 each. Enclosed is a check for the total amount made payable to UC Regents. Mail books to the address below:

NAME _____
MAILING ADDRESS _____
CITY _____ STATE _____ ZIP _____

(Please mail completed form and check to: Cooperative Extension, 1655 S Main St, Yreka, CA 96097)

This is your copy of the Siskiyou Stockman, which you requested, or which we thought would be of interest to you.

Sincerely,



Daniel J. Drake, Ph.D., PAS
Farm Advisor - Livestock & Range
530/842-2711

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Cooperative Extension
University of California
1655 So. Main Street
Yreka, CA 96097

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