RANGE BULLETIN

Livestock & Natural Resources Newsletter

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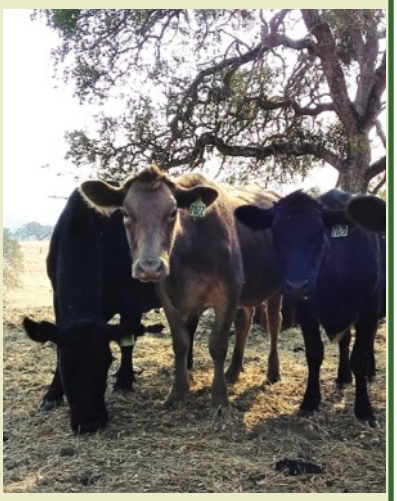

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Find us on Facebook! Search for **@UCCEFresnoMaderaLivestock** or visit the page directly at **https://www.facebook.com/UCCEFresnoMaderaLivestock/** for regular updates on upcoming events, recent news, and research information.

Beef Cattle Health Webinar Recordings & Resources

University of California Cooperative Extension and University of California Davis Veterinary Medicine is excited to share with you the recordings from their March 2022 webinar series. This series was cohosted by University of California Cooperative Extension advisors Tracy Schohr, Grace Woodmansee, Rebecca Ozeran and specialist Dr. Gabriele Maier.

The video recordings and additional resources from the webinar series can be found at https://ucanr.edu/sites/Rangelands/CattleHealth/

The video topics include:

1. **Whole Herd Health Plans and Vaccination Schedules** - Featured Speakers: Dr. Gabriele Maier, Specialist for Beef Cattle Herd Health and Production, UC Davis and Dr. Tom Talbot, a large animal veterinarian in Bishop, Calif.
2. **Herd Bull Health, Diseases and Injuries** - Featured Speaker: Dr. Bret McNabb, DVM, UC Davis School of Veterinary Medicine
3. **Pinkeye in Cattle** - Featured Speaker: Dr. John Angelos, professor, UC Davis School of Veterinary Medicine
4. **Toxic Plants and Livestock** - Featured Speaker: Dr. Robert H. Poppenga, DVM, PhD, DABVT, Head Toxicology Section, California Animal Health and Food Safety Laboratory, School of Veterinary Medicine, University of California
5. **Why Did it Die? California Animal Health Food Safety Laboratory** - Featured Speakers: Dr. Gabriele Maier, Specialist for Beef Cattle Herd Health and Production, UC Davis and Dr. Katherine Watson, Anatomic Pathologist at California Animal Health and Food Safety Laboratory.

For questions or suggestions on future topics please contact Tracy Schohr, livestock and natural resources advisor for Plumas, Sierra and Butte Counties at tkschohr@ucanr.edu or 916-716-2643.

California Ewe Mastitis & Lamb Survivability Survey

Rose Digianantonio, DVM, MPH, Livestock Reproduction and Herd Health Resident, UC Davis
Rosie Busch, DVM, Sheep and Goat Extension Veterinarian, UC Davis

**This article was originally created in May 2022. The survey is still open as of late June 2022.*

Overview:

Mastitis impacts productivity and profitability of your flock.

Mastitis can be caused by injuries, viruses, or bacteria.

Some mastitis is obvious and causes pain and redness of the udder. Others only cause a decrease in milk production.

Help us improve our knowledge of mastitis in ewes and common production practices in California by taking this anonymous survey.

Has the lambing season left you sick of grafting orphaned lambs and/or dealing with bottle babies?
It may be necessary to improve ewe udder health on your farm.

To highlight areas for future research, Dr. Rosie Busch, Sheep and Goat Extension Veterinarian at UC Davis, and her research lab in collaboration with UCCE Livestock Advisors have developed a survey for sheep producers about management of ewes and care of mastitis. If you own or manage breeding ewes and are willing to participate, please scan the QR code below or click here and complete the survey. This survey will take less than 10 minutes and can help us improve ewe and lamb health in California!

What is Mastitis and why do we want to prevent it?

In pasture-raised sheep operations, the highest percentage of lamb losses occur within the first 72 hours of birth. This directly impacts productivity and profitability of the flock. Udder pain is one of the main reasons for ewes to reject lambs. In range or pasture rearing systems, rejection of the lamb by the ewe can create orphan lambs or lead to lamb starvation if noticed too late.

Mastitis (inflammation of the mammary gland, aka udder) in ewes is a significant cause of lamb morbidity, but research is lacking in prevention and control of the disease. In the most recent Sheep NAHMS Survey, producers across the United States noted mastitis as one of the top reasons for culling ewes and for antibiotic use in breeding animals. Mastitis can be caused from trauma to the udder as well as different types of viral (OPP) and bacterial (Staph, E.coli, Mannheimia) infections that can be passed from animal to animal or from the environment to the animal. The risk for mastitis can vary due to the ewe's nutritional status, housing conditions, number of lambs, and other management practices.

This article continues ►

Survey continued

Mastitis can be classified as clinical or sub-clinical. Clinical cases of mastitis have visual signs of milk or udder abnormalities (see photo). Ewes with clinical mastitis will typically not allow lambs to nurse due to udder pain, leading to increased lamb morbidity. Ewes may become sick from their mastitis, or have scarring in the mammary gland that prevent them from being able to produce milk for their current lambs or future lamb crop. Thus, it is very important to monitor and control for signs of clinical mastitis.

Sub-clinical mastitis indicates that there are no visual abnormalities of the milk or udder, but the ewe may have a drop in milk production. Sub-clinical mastitis is diagnosed by testing for increased numbers of inflammatory cells in the milk (i.e. California Mastitis Test, see photo). Sub-clinical mastitis can become clinical. "Hard bag," which is typically related to mastitis caused by the Ovine Progressive Pneumonia (OPP) virus, is a chronic infection leading to the udder feeling firm and having little to no milk production.

A ewe that can't raise a twin lamb and has an asymmetrical udder and wool break should be checked for mastitis.
Source: Dan Macon/Roger Ingram

All of these forms of mastitis lead to production losses on the farm.
Mastitis prevention and control may limit lamb production losses, the number of bottle lambs, and improve lifetime productivity of your ewes.

Help us improve our knowledge in this area by taking our survey. It takes less than 10 minutes!

Scan the QR code below or click here to complete the survey.

Upcoming Webinars and Workshops

Working Rangelands Wednesdays, Drought Series: Beginning June 29!
Register for free here: bit.ly/WRW2022

Questions? Contact Dan Macon, dmacon@ucanr.edu, or Grace Woodmansee, gwoodmansee@ucanr.edu

Working Rangelands Wednesdays

The WRW webinar series highlights applied, land manager-oriented solutions for rangeland management challenges.

June-September, biweekly Wednesdays, 6pm-6:45pm

- Learn about upcoming FSA program deadlines.
- Evaluate drought strategy tradeoffs using research updates & resources from speakers.

June 29: FSA programs
July 13: Creating a drought plan
July 27: Early Weaning
Aug. 10: Culling vs. feeding
Aug 24: Irrigating with limited water
Sep. 7: Forecast & remote sensing

Have specific questions? Topic ideas?
Include them with your registration!

Register at:
https://bit.ly/WRW2022

UC CE USDA FSA FARM SERVICE AGENCY

The Art and Science of Vineyard Grazing

July 18, 2022
1:00 - 3:30 PM

Register for free here: surveys.ucanr.edu/survey.cfm?surveynumber=37507

Topics

Mark Battany, UCCE, Water Management and Biometeorology Advisor
"Why do we grow cover crops in our vineyards anyway?"

Morgan Doran, UCCE Livestock and Natural Resources Advisor
"What you need to know before grazing a vineyard"

Cristina Lazcano, UC Davis, Assistant Professor
"Evaluating short-term changes in C and N cycling to assess environmental benefits and tradeoffs of sheep grazing in vineyards."

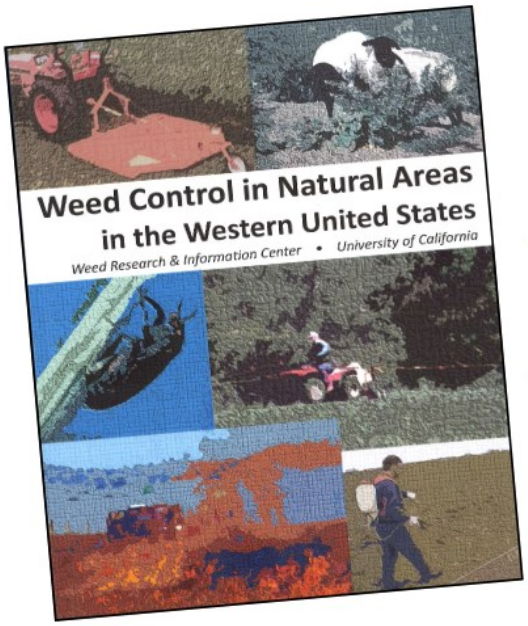
Kelsey Brewer, UC Davis, PhD Candidate, Gaudin Agroecology Lab
"C sequestration potential and soil health outcomes of sheep grazing in vineyards"

Producer Panel and Discussion

Sheep producers:
Robert and Jaime Irwin, Kaos Sheep Outfit, Lake County
Kelly Mulville, Paicines Ranch, San Benito County

Vineyard producers:
Kari Flores, Robert Sinskey Vineyards, Napa County
Sarah Cahn Bennett, Navarro Vineyards & Winery, Mendocino County

For more information, contact Matthew Shapero, UCCE Livestock & Range Advisor:
mwkshapero@ucanr.edu, 805-645-1475



Weed Control in Natural Areas in the Western United States is the first comprehensive book to focus on control options for invasive plants in natural areas.

The book has detailed control methods for 340 species in 13 western states, covering rangelands, grasslands, pastures, riparian and aquatic areas. Each species account includes chemical, mechanical, biological and cultural control options.

Sale Price

$30.00 (includes tax and shipping)

Book is normally $37 plus tax and shipping.

Get your discount today while supplies last.

ucanr.edu/weedbook