Please join us for a discussion of antimicrobial stewardship, what it means for dairies and strategies to effectively and economically adhere to new regulations.

**Wednesday, July 31, 2019**
UC Cooperative Extension- Glenn County  
821 East South St  
Orland, CA 95963  
(same building as Superior Court)

Lunch and Registration **12:00 pm**  
Program **12:30 – 2:30 pm**

**Veterinarian’s Viewpoint: What do changes in antibiotic regulation mean for my dairy?**  
Mike Karle, DVM  
Mid-Valley Veterinary Hospital

**Principles of antimicrobial stewardship and resistance**  
Richard V. Pereira, DVM, PhD  
Professor of Clinical Livestock Herd Health  
UC Davis School of Veterinary Medicine

**Research Updates**

**Antimicrobials in waste milk and impacts on calf health**  
Richard V. Pereira, DVM, PhD  
Professor of Clinical Livestock Herd Health  
UC Davis School of Veterinary Medicine

**Antibiotic resistance in adult cows**  
Emmanuel Okello, DVM, PhD  
Cooperative Extension Specialist in Antimicrobial Resistance  
UC Agriculture and Natural Resources and UC Davis School of Veterinary Medicine

**Dry Cow Therapy: options to selectively treat**  
Emmanuel Okello, DVM, PhD  
Cooperative Extension Specialist in Antimicrobial Resistance  
UC Agriculture and Natural Resources and UC Davis School of Veterinary Medicine

RSVP appreciated to assist with lunch planning.  
Betsy Karle 530-865-1156 (voice), 530-519-4395 (text) or bmkarle@ucanr.edu
Meeting Announcement:

Antimicrobial Stewardship: Challenges, Solutions & Next Steps

July 31, 2019
UC Cooperative Extension- Glenn County

Betsy Karle, Dairy Advisor
Northern Sacramento Valley

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