

# Complying with California Senate Bill 27 Livestock: Use of Antimicrobial Drugs



Annette Jones, DVM  
State Veterinarian and Director  
Animal Health and Food Safety Services  
California Department of Food And Agriculture

# SB 27 Livestock: Use of Antimicrobial Drugs

- I. Limits Use (January 1, 2018)
- II. Stewardship Guidelines
- III. Monitoring/Surveillance

# Limits Use

- Effective January 1, 2018
- Applies to use in livestock, but not species usually kept as pets (what does that mean?)
- Specific to medically important antimicrobials as defined by FDA GFI 152 Appendix A, including updates
- Can only be administered if ordered by a veterinarian via prescription or veterinary feed directive, under a valid veterinarian-client-patient relationship

# Limits Use

- Can only be used when in the judgement of a licensed veterinarian is necessary to treat, control and in some cases, prevent disease or infection
- Prevention / Prophylaxis
  - ❖ If related to surgery or medical procedure
  - ❖ If “in the professional judgement of a licensed veterinarian, it is needed for prophylaxis to address an elevated risk of contraction of a particular disease or infection”
  - ❖ If used to prevent disease beyond when related to surgery or medical procedure, *can not be used in a “regular pattern”*
- Can never use solely for weight gain or feed efficiency

# Limits Use

- Medically important antibiotics labeled by FDA for over the counter (OTC) sales can still be obtained from retailers *with prescription or VFD*
  - ❖ Veterinary Food Animal Drug Retailer (B&P)
  - ❖ Retail License for Restricted Drugs (FAC)
  - ❖ May need regulations to add clarity
- Violations
  - ❖ Licensed veterinarian: Practice Act disciplinary sanctions
  - ❖ Others: Up to \$250/day; second violation up to \$500/day

# Stewardship

- ▶ No delay in implementation
- ▶ Requires that CDFA work with others to develop “antimicrobial stewardship guidelines and best management practices for veterinarians and livestock owners and employees”
- ▶ Must include scientifically validated best practices such as vaccination, sanitation and other management practices that may limit the need for antibiotics

# Stewardship

- ▶ Must include guidance on selection of most appropriate antimicrobial drug, dose, duration and route of administration
- ▶ Must include guidance on limiting the number of animals treated and minimizing the duration of treatment

# Monitoring

- ▶ No delay in implementation
- ▶ Leveraging federal efforts, gather information that may lead to a better understanding of the links between use patterns and resistance
- ▶ Gather antimicrobial sales and use data, conduct surveillance for resistance, and gather management practice data (including health outcomes)
  - ❖ California's major livestock segments
  - ❖ Regions with significant livestock production
  - ❖ Representative segments of the food production chain



# Monitoring

- ▶ Willing participants and respecting veterinary-client-patient confidentiality
- ▶ Authority to request and receive copies of VFD's
- ▶ Information must be held confidential unless aggregated
  - ❖ Can be shared with VMB for enforcement of Practice Act or Federal entities if confidentiality will also be protected under federal law
- ▶ Report to the legislature January 1, 2019

# What now?

- ▶ Extensive use of ad hoc advisory committees comprised of stakeholders as well as technical specialists and scientific advisors for specific topics
- ▶ Stakeholders include:
  - ✓ Department of Public Health
  - ✓ Board of Pharmacy
  - ✓ Veterinary Medical Board
  - ✓ Producers and producer organizations
  - ✓ Feed mills and feed industry organizations
  - ✓ Retail stores distributing or potentially distributing antibiotics
  - ✓ Pharmaceutical companies and business organizations
  - ✓ Veterinarians and veterinarian professional organizations
  - ✓ Schools of Veterinary Medicine
  - ✓ Consumer advocates
  - ✓ CA Animal Health and Food Safety Laboratory
  - ✓ United States Department of Agriculture (USDA)
  - ✓ Food and Drug Administration
  - ✓ Others TBD

# Phase I Funding

- ▶ 8 Positions and \$1.393 million General Fund
  - ▶ Program Administration
    - ▶ 2.5 positions: implementation management, including efforts to attract supplemental funds (federal grants, etc.), regulation development and supervision
  - ▶ Regulated Use (2018):
    - ▶ 1 position for outreach (Feed mills)
  - ▶ Monitoring (2016)
    - ▶ 2.5 positions for coordination with national efforts & development and initial implementation of the CA monitoring strategy and gather and analyze appropriate VFD and Registered Retailer sales data
    - ▶ \$50,000 to initiate strategy and capability for pathogen resistance monitoring at CAHFS Laboratory System
  - ▶ Stewardship (2016)
    - ▶ 2 positions to develop strategy and initiate development
    - ▶ \$50,000 in contract funding for species or production type specific expertise

# Lessons

- ▶ Engage
- ▶ Drive the dialogue
- ▶ Veterinarian and physician professional groups and academia important for credibility
- ▶ Communicate with commodity groups based on a history of trust

Producers

The diagram features three green ovals arranged in a triangle around a central green five-pointed star. The top oval is labeled 'Producers', the bottom-left oval is labeled 'Consumer Advocates', and the bottom-right oval is labeled 'Veterinarians'. The central star contains the word 'trust'. The background is white with green geometric shapes on the right side.

Consumer  
Advocates

Veterinarians

trust

A scenic view of a large body of water, likely a lake or bay, with mountains in the background. Several birds are visible: one in flight in the top left, another in flight in the center, and several others on the water's surface. The word "Thanks!" is overlaid in green text on the left side of the image.

Thanks!

Annette Jones, DVM  
State Veterinarian and Director  
Animal Health and Food Safety Services  
California Department of Food and Agriculture  
[Annette.jones@cdfa.ca.gov](mailto:Annette.jones@cdfa.ca.gov)