

**FEED AND LIVESTOCK DRUGS INSPECTION PROGRAM (FLDIP)**  
**TECHNICAL ADVISORY SUBCOMMITTEE (TASC)**  
California Department of Food and Agriculture (CDFA)  
HYBRID CONFERENCE MEETING

**November 3<sup>rd</sup>, 2022**  
**9:00 AM- 12:00 PM**  
**MINUTES**

**TASC Members**

Dr. Marit Arana, Chair  
Jennifer Heguy  
Dr. Robert Poppenga  
John Martin  
Dr. Xixi Chen

**CDFA Staff**

Rachelle Kennedy  
Cathryn McCandless  
KC Gutenberger  
Samantha Moran-Defty  
Mike Davidson  
Jenna Leal

**Interested Parties**

Dr. Ed DePeters  
Dr. Katherine Swanson  
David Isen  
Hernan Rodriguez

**CALL TO ORDER**

Dr. Marit Arana, Chair, called the meeting to order at 9:00 am.

**ROLL CALL/INTRODUCTIONS-ESTABLISH QUORUM**

Self-introductions were made, and a quorum was established.

**APPROVE MEETING MINUTES FROM JULY 12, 2022**

Chair Arana requested the committee review the minutes from the previous meeting.

**MOTION:** John Martin moved to approve the meeting minutes from July 12, 2022. Dr. Xixi Chen seconded; the motion passed unanimously.

**TASC VACANCIES**

Cathryn McCandless announced that a recent advertisement for the TASC Vacancy resulted in two applicants: Dr. Noelia Silva Del Rio and David Isen. Dr. Arana stated that acceptance of the applicants will be voted on at the upcoming Feed Inspection Advisory Board (FIAB) Meeting.

**TASC BYLAWS**

Cathryn McCandless announced that the TASC Bylaws have been updated to reflect the current state of the TASC, and that input on the changes is welcome. There was no action for the TASC, as the FIAB will vote on the changes to the TASC Bylaws. No input on the changes was offered by TASC members.

**DRUG CARRYOVER DOCUMENT TECHNICAL REVIEW**

KC Gutenberg expressed that the feedback provided at the last TASC meeting was helpful and the drug carryover technical document underwent a lot of revision. Gutenberg reiterated that the California feed industry has asked questions of the Safe Animal Feed Education (SAFE) Program regarding level of drug found in flush verification results, which would represent a safe level and successful flushing procedure. Without other agency or scientific publications to provide an answer, the presented document aims to provide additional guidance and education to aid industry in the development of a food safety plan and flushing and sequencing procedures. Gutenberg requested a technical review and feedback of the newly revised document from the committee members.

Dr. Bob Poppenga stated that the shortened version of the drug carryover technical document was very clear and helpful. Dr. Chen mentioned that a lot of changes to the drug carryover technical document which were suggested at the last meeting were incorporated. Dr. Chen suggested adding headings to Figure 1 of the drug carryover technical document to further provide clarity.

Gutenberg highlighted and summarized some of the revisions of the drug carryover technical document. Dr. Arana expressed that the requirement for Category II or veterinary feed directive (VFD) drugs with low approval rates was confusing. Gutenberg added that an excel file with each individual drug will ultimately accompany this document. Dr. Arana stated that the excel file would clarify the issue and a reference to the excel file should be added to the document. Dr. Poppenga also suggested adding the statement "or not detectable using widely recognized methods of detection" to the requirements for Category II or VFD drugs with low approval rates section.

Dr. Chen recommended a review of other guidelines on this topic, such as the one provided by the firm GMP+ International Feed Certification Program. Gutenberg responded that the GMP+ certification guidelines were reviewed and compared to this document. Those guidelines are based on European Union Legislation, which differs from the U.S. Food and Drug Administration, therefore, the two are not comparable.

### **RESEARCH PROJECT UPDATES**

Dr. Katherine Swanson, University of California, Davis, provided an update of the goat hemp feeding trial. They are currently working with Dr. Don Land and have found the proper laboratory equipment to begin blood, milk, and adipose tissue cannabinoid extraction.

Dr. Swanson provided an update of the dairy cow hemp feeding trial. The cattle are all trained to the feeding gates; however, hemp has not started being fed yet. The herd health veterinarian has expressed concerns of cannabinoids in adipose tissue, and they are still working on a resolution.

Jenna Leal suggested that the project could be amended to research withdrawal times in tissue as well. Dr. Swanson, Arana, and Leal discussed potential ideas for incorporating withdrawal time into the study. Dr. Swanson asked if feeding should continue or be postponed until a resolution is met. Leal stated to keep them on trial for 30 days while they work out a resolution. Discussion of the timeline of the study and the finances of keeping cattle on trial followed. Leal stated that financial decisions do not need to be made at this time, and further discussion will occur after the FIAB meeting.

Dr. Swanson provided the nutritional composition of the hemp for the trial is similar to alfalfa and has low solvent, no pesticides, and no mycotoxins.

Dr. Swanson provided an update of the by-products capacity research study. They recently met with Jennifer Heguy, University of California Cooperative Extension, regarding the survey and know which by-products to focus on. Dr. Swanson is working with the Mitloehner lab regarding the software that will be used for the survey and are planning to start in the winter.

### **REQUEST FOR PROPOSAL DISCUSSION**

Leal provided an update that the legislature allocated 10 million dollars to the CDFA for research in enteric methane reduction using feed additives. The funds are allocated through the Office of Environmental Farming and Innovation (OEFI), which is the research arm of the CDFA. Leal stated we are currently developing a collaborative relationship with OEFI and having meetings to figure out the details of the new dynamic between OEFI and the Feed program. There is opportunity for the program, FIAB, and TASC to act as subject matter experts and ensure research funds are allocated based on relevance to the industry.

Prior to additional meetings with OEFI, Leal asked the TASC for input on the proposed path forward. The committee members agreed that this is a good opportunity for collaboration. The same four topics of focus will for research will continue with the new collaboration: by-product work with a methane emission component, feed additives research to reduce methane emissions, agriculture biomass products that are not currently in the feed channel, and prescribed grazing.

Dr. Chen stated that each of these topics focus on ruminants, while poultry production is also prominent in the state. Insect meals were mentioned as a topic of potential research interest to add to the list. Rachelle Kennedy noted that the production of insect meals is relevant to diversion of organic waste to animal feed rather than other uses or landfill.

### **PUBLIC COMMENTS**

No public comments were made.

### **NEXT MEETING/AGENDA ITEMS**

The next meeting was tentatively planned for January, pending availability of OFEI.

Future agenda items include:

- OFEI Introduction
- Research Updates

**ADJOURNMENT**

**MOTION:** Dr. Bob Poppenga moved to adjourn the meeting; John Martin seconded.  
The motion passed unanimously.

The meeting was adjourned at 10:25 am.

Respectfully Submitted By:

**ORIGINAL SIGNED BY JENNA LEAL**  
Jenna Leal, Program Manager  
Environmental Program Manager I

11/3/2022  
Date