

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

**July 12, 2022
10:00 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

Interested Parties

Dr. Ed DePeters
Dr. Katherine Swanson
Carry Rosenstine

CALL TO ORDER

Dr. Marit Arana, Chair, called the meeting to order at 10:00 am.

ROLL CALL/INTRODUCTIONS-ESTABLISH QUORUM

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

APPROVE MEETING MINUTES FROM OCTOBER 22, 2021

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

MOTION: John Martin moved to approve the meeting minutes from October 22, 2021.
Dr. Robert Poppenga seconded; the motion passed unanimously.

VICE CHAIR ELECTION

Chair Arana announced the need for a Vice Chair, explained that all members are eligible, and asked for nominations. John Martin was nominated to serve as Vice Chair. Chair Arana noted there were no other nominations and called for a vote.

MOTION: Chair Arana moved to nominate John Martin as Vice Chair. John Martin seconded; the motion passed unanimously.

TASC VACANCIES

Chair Arana noted the TASC membership currently has five members out of seven possible and asked members to seek additional candidates for the committee. Dr. Robert Poppenga asked if there are areas of expertise which are more desirable for future members to have. All members gave a brief introduction of their background, and Chair Arana stated the committee could use technical experts, a public member, or members from other public agencies. Rachelle Kennedy stated that a Vacancy Announcement was posted last month with no applicants. Kennedy added that an

additional announcement can be made if members know of someone interested in applying.

OVERVIEW OF TASC ANNUAL OBJECTIVES

Chair Arana provided an overview of TASC primary functions. The purpose of the TASC is to advise the FIAB on feed/food safety issues and serve as an expert scientific panel on matters concerning animal nutrition, labeling, and utilize grant funding to promote scientific research and technological advancements in human food waste diversion to livestock.

DRUG CARRYOVER DOCUMENT TECHNICAL REVIEW

KC Gutenberger stated 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 food safety plans and flushing and sequencing procedures. Gutenberger requested technical review and feedback from the committee members.

Chair Arana requested clarification on numbers from the National Research Council's Maximum Tolerable Levels Mineral Chart which refers to the total diet an animal consumes. Martin stated that further research should be conducted on the Copper value in the document. Chair Arana noted Fluorine and Boron do not need to be included in the paper because they are not added in feed. Dr. Poppenga advised the document may benefit from clarification and simplification. Chair Arana agreed and recommended a simple step layout to sequencing and flushing. Dr. Poppenga suggested removal of the word "zero" and replacement with a standard industry term, such as "not detected."

Dr. Poppenga recognized drugs are listed in two different charts and noted this may be confusing to someone using this document. Chair Arana stated that many of the drugs listed are not commonly used in the California feed industry. Gutenberger clarified that the lists contained drugs which are approved for feed by the United States Food and Drug Administration. Kennedy asked if this should be further clarified. Martin suggested creating a column for commonly used drugs. Dr. Xixi Chen stated keeping a full list of drugs is valuable.

Dr. Poppenga asked for a project timeline for this document. Kennedy suggested that the TASC provide a timeline to the program and edits based on this conversation will be made and then document reviewed again at the next meeting. Chair Arana and Dr. Poppenga stated they would like to see edits made and be given more time to review prior to the next TASC meeting.

RESEARCH PROJECT UPDATES

Cathryn McCandless presented an outline of proposed research grant process for the SAFE program, modeled after the CDFA's Fertilizer Research and Education Program. The proposed grant process takes a calendar year. McCandless stated a tentative launch date could be October 2022 beginning with a public Request for Proposals.

Dr. Katherine Swanson provided an update regarding the Goat Hemp Research Feeding trial. Dr. Swanson stated that there continues to be delays with analysis of the adipose tissue, due to delays in the cannabinoid extraction assay development. Dr. Swanson noted a novel protocol is concurrently being developed specifically for this research project and requires specific extraction methods and lab equipment.

Dr. Swanson provided an update for the Dairy Hemp Research feeding trial. Dr. Swanson noted she received a hemp residue sample from a Cannabidiol (CBD) oil producer. The hemp residue was analyzed using near-infrared (NIR) spectroscopy. Dr. Swanson continued that compared to the hemp residue used in the prior goat hemp research trial, this has much lower fat due to differences in extraction methods. Dr. Swanson reported that the samples contained very low levels of cannabinoids found, the sample is dry, and there were no pesticides or mycotoxins found.

Dr. Swanson reported the 4,000 pounds of hemp by-product for the trial will be donated by a firm which produces CBD oil. The trial will include six weeks of sample collection, including milk, fecal, blood, and adipose tissue samples. Dr. Poppenga inquired about the product's consistency. Dr. Swanson answered that it is not consistent, and they will be taking hemp by-product samples throughout the study. Dr. Poppenga and Chair Arana expressed interest in tracking the animal's post-trial. Dr. Ed DePeters stated the researchers will need to consider residue in the tissues of the cattle and discuss post-trial and discuss with the dairy manager about how best to manage the cattle at the end of the trial.

Dr. Swanson provided a By-products Capacity Study update. Dr. Swanson said the research team are working on developing survey questions and would like a list of processors registered with CDFA to target the study towards those processors. Dr. DePeters stated they will need to develop survey questions and that a student worker may be needed to assist with this work.

REQUEST FOR PROPOSAL IDEAS

McCandless presented several ideas for the 2022/23 Request for Proposal including: 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. Chair Arana asked how much funding is available for the proposed projects. Kennedy answered the current funding is \$75,000 and the next FIAB meeting is a budget meeting if TASC wants to seek additional funding. The program is also seeking additional funding from other sources.

Chair Arana suggested not ranking the proposal ideas in any way and presenting all of them to the TASC for review and consideration. Kennedy stated that the by-products with a methane emission component could be rolled into current capacity study with a revised scope of work and additional funding. Chair Arana asked the researchers if there was interest in doing so. Dr. Swanson stated they have been in communication with a grad student that has interest in collaborating on the project to conduct a life cycle analysis. Kennedy stated they would need to propose what additional funding is needed and at the next meeting TASC can review how to split the funds.

PUBLIC COMMENTS

No public comments were made.

NEXT MEETING/AGENDA ITEMS

The next meeting will be determined for a date and time between October 3-4, 2022.

Future agenda items include:

- SAFE Drug and Mineral Carryover Document
- Member Vacancies
- Discuss Request for Proposal Funding
- Research Updates
- Review and Approve Bylaws

ADJOURNMENT

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

The meeting was adjourned at 11:39 am.

Respectfully Submitted By:

ORIGINAL SIGNED BY JENNA LEAL

Jenna Leal, Program Manager
Feed and Livestock Drugs Program

7/12/2022

Date