

**United States Department of Agriculture
Project Initiation**

Project Data for Accession Number 1020663

Project Title

2019 Food Animal Residue Avoidance Databank (FARAD) Program: University of Florida Component

Project Details

Sponsoring Institution National Institute of Food and Agriculture	Project Status COMPLETE
Funding Source NIFA Non Formula	Grant Year 2019
Grant No. 2019-41480-30295	Cumulative Award Amt. \$255,000.00
Proposal No. 2019-05289	Multistate No. (N/A)
Project Start Date Sep 01, 2019	Project End Date Jul 30, 2021
Program Code [FARAD] Food An. Res. Avoidance Database,FARAD	

Project Director

Maunsell, F.

Recipient Organization

UNIVERSITY OF FLORIDA
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Performing Department

(N/A)

Non Technical Summary

The Food Animal Residue Avoidance Databank (FARAD) program is a chemical food safety program that has been in existence for more than 30 years. This has been a collaborative effort by scientists for four veterinary colleges at North Carolina State University, University of California Davis, University of Florida, and Kansas State University with the addition of Virginia Tech/Virginia-Maryland in 2018-2019 (subaward in 2017-2018). The goal of FARAD is to provide the most updated information resulting in the production of safe foods of animal origin through the prevention and mitigation of volatile chemical (drug, pesticide, natural toxins, and environmental contaminant) residues. The program accomplishes this through its objectives which are to identify, extract, assemble, evaluate and distribute reviewed information about residue avoidance programs throughout the United States. Each of the FARAD centers has expertise for delivery of the required information which eliminates redundancies and allows for smooth collaboration of collective talents unique to the field of veterinary pharmacokinetics research and related database management. The

United States Department of Agriculture Project Initiation

primary role of FARAD at UF is to collect and enter data for the US Approved Animal Drug Database (US-AADD), maintain and update the publicly-accessible FARAD website (www.farad.org) as well as develop and maintain associated web-based interactive databases and mobile platforms, including the Veterinarian's Guide to Residue Avoidance Management (VetGRAM) and apps for smartphones and other mobile devices. These FARAD products provide complete information about approved animal drugs, including dosing information, disease indications, species and use class restrictions as well as the associated withholding times for meat, milk, eggs honey, and other products following label approved drug treatments.

Animal Health Component

Animal Health Component: 100%

Research Effort Categories

Basic	50%
Applied	25%
Developmental	25%

Classification

Knowledge Area (KA)	Subject of Investigation (SOI)	Field of Science (FOS)	Percent
308	3610	1180	10%
308	3510	1180	13%
308	3210	1180	25%
308	3260	1180	10%
308	3820	1180	20%
308	3410	1180	22%

Knowledge Area

[308] Improved Animal Products (Before Harvest)

Subject Of Investigation

[3610] Sheep, live animal

[3510] Swine, live animal

[3210] Egg-type chicken, live animal

[3260] Poultry meat

[3820] Goats, meat and mohair

[3410] Dairy cattle, live animal

Field Of Science

[1180] Pharmacology

United States Department of Agriculture Project Initiation

Keywords

Antibiotics, Drug Residues, Food Animal Health, Food Safety, Food Security, Extra Label Drug Use

Goals / Objectives

The primary focus areas of the University of Florida FARAD component for 2019-2020 are as follows: (1) to collaborate with Kansas State University, University of California Davis, Virginia Tech and North Carolina State University, to validate (via in vivo studies) many of our computational estimates of a safe withdrawal time; (2) to support and maintain all web-based interfaces and electronic resources, including the FARAD website (www.farad.org), the on-line Veterinarian's Guide to Residue Avoidance Management (VetGRAM) as well as an on-line tool for finding established recommendations for drug withdrawal intervals, and (3) to develop, maintain and support interfaces that enable database access for mobile devices, mobile apps for smartphones and other information resources.

Project Methods

The UF component supports outreach extension to veterinarians and producers via the FARAD web resources and proprietary smartphone apps. Data that support these platforms are mined from numerous sources, including federal regulatory publications, peer-reviewed scientific publications, proprietary information from drug manufacturers and other sources.