

Research Opportunity for Integrated Crop-Livestock Farms

Project Background

We are seeking farmer participants for a study accessing the dynamics of foodborne pathogens (pathogenic *E. coli* (STEC) and *Salmonella*) in integrated crop-livestock systems involving grazing in orchards (fruit & nut trees).

Small ruminants and poultry are the most common species used for rotational grazing for crop management.

This study aims to develop scale-sized management practice recommendations to reduce foodborne pathogen risk for integrated crop-livestock farms producing nuts or fruits.

Benefits

Free testing for individual farms participating in the study.

Completely confidential reports to each farm and we will answer any questions regarding interpretation of the results.

Workshop webinars summarizing product findings and best management practices will be conducted.

How You Can Participate

UC Davis, School of Veterinary Medicine and Agriculture Natural Resources Cooperative Extension wants to enroll farms

that fit these criteria:

- Integrate livestock grazing in orchards (fruit or nuts).
- Grazing with sheep/goats or poultry.

Sampling occurs June-Sep, 2021

- Farms will be visited once
- Farmers will be asked to complete a short survey about farm management practices.
- We will collect feces, and soil. These will be tested for *E. coli* and *Salmonella*. Soil will also be tested for soil health indicators.
- This study is voluntary, and all locations and names will be kept confidential at all times.

Project Contacts

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