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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