



## **USDA-CSREES 2005 National Water Quality Conference**

### **Small Scale Livestock Waste Management Practices for Pacific Island Environments**

*Abstract:*

*Small Scale Livestock Waste Management Practices for Pacific Islands*

*Glen Fukumoto, Carl Evensen, Lawrence Duponcheel, Allan Sabaldica, Luisa Castro*

*Management of livestock manures and effluent is a serious concern for the Pacific Islands due to limited land for disposal and the need to protect fragile stream and coastal environments from contamination by nutrients and pathogens. Most animal waste management practices in the US are not appropriate to the small scale and limited resources of Pacific Island farms. Research and extension programs are described which protect stream and coastal water resources through promotion of waste management practices which are culturally acceptable and economically feasible. Such practices include dry litter systems, composting, and effluent irrigation. The University of Hawaii and the Northern Marianas College are the main partners in this effort, with input and assistance from the University of Guam and the American Samoa Community College. Coordination of projects and sharing of information has been accomplished through field visits, joint workshops, meetings and linked websites, reducing the isolation of these distant islands and helping to better serve our communities. This effort is supported by the USDA CSREES Water Quality Program, with additional funding and technical support from the NRCS and the USEPA.*

Author: Carl Evensen