



How is USDA Research Working for Hawaii?

In FY 2012, Hawaii received:

- **\$11.5 million** from the Agriculture Research Service (ARS)
- **\$700,000** from the Agriculture and Food Research Initiative (AFRI)

Agriculture Research Investments in Hawaii

- Hawaii has **3 ARS research units** including:
 - Tropical Crop and Commodity Protection Research Unit
 - Tropical Plant Genetic Resources and Disease Research Unit

The University of Hawaii is using AFRI funding to see if the addition of biochar to soil can improve soil health and increase the carbon sequestration and water retention capabilities of soil.

AFRI-funded researchers are studying how different bacteria interact with aphids in order to develop treatments that would disrupt the transmission of plant diseases by aphids.

Small Business Benefits in Hawaii

- Hawaii small businesses received over **\$200,000** through the Small Business Innovation Research and Small Business Technology Transfer programs within USDA

In Waianae, **OmniGreen Renewables**, is developing a biogas facility that converts the agricultural waste products from biodiesel production into methane gas to generate electrical & thermal energy.

Agriculture Value in Hawaii

- Hawaii has **7,500 farms** that account for **\$730 million in total commodities**, **\$560 million in agricultural exports** and over **2,000 jobs**
- U.S. public investments in agriculture research and development **produce benefit-cost ratios of 20:1 and higher**