

EXTENSION'S ROLE IN ASSURING THE SUSTAINABLE MANAGEMENT OF FRUIT FLIES IN HAWAII

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Fruit fly pests limit the productivity of Hawaiian agriculture. To increase the competitiveness of local growers, the USDA ARS, University of Hawaii, and Hawaii Department of Agriculture formed a collaborative project to implement area wide IPM programs. Sustainable fruit fly management using environmentally acceptable technologies is the intended long-term outcome. Four economically important fruit fly species are targeted. They are the *Bactrocera dorsalis*, *B. cucurbitae*, *B. latifrons*, and *Ceratitis capitata*. The implementation phase has begun on the islands of Hawaii, Maui, and Oahu. The key technologies are male annihilation, environmentally safe bait sprays, augmentative parasite releases, and sterile flies. Implementation design and field results will be reviewed.

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