The HAW-FLYPM project on Kauai involves four growers. Two are in the Kalaheo area on the South-central portion of the island and the other two are in Anahola and Moloaa on the Northeast side of Kauai. The major fruit fly pest is the Oriental fruit fly on the tropical fruits, as all of the growers grow mango, lychee, longan, papaya, and citrus. Our growers in Kalaheo have peach trees, which are often attacked by the Mediterranean fruit fly, or Medfly. The Kalaheo area is surrounded by coffee fields, a host of the Medfly. The farms are spread far from each other and few if any of the surrounding farms and residences implement fruit fly management techniques. Kauai also has lots of undeveloped lands with host plants such as wild guava and mango.

Fruit fly damage varies by farm but some varieties of mango have Oriental fruit fly infestation rates hitting around 100 percent. Last year, the fly populations were monitored with wet traps using the McPhail traps with liquid protein bait. This year, we are using the male lures in plastic buckets with soapy water to drown the flies. We have been catching very high numbers of male Oriental fruit flies.

GF-120 bait sprays began in the first week of April and have been applied weekly thereafter. The amount of flies caught has decreased but the counts are still quite high despite the weekly application of GF-120. Depending on the farm, the flies caught per trap day has been as low as 22 to as high as 469 oriental fruit flies per trap after nearly three months of weekly GF-120 sprays. Growers will estimate the fruit fly damage at the end of the mango season. This year however, the amount of mango fruits on the trees has not been as plentiful as last year. Even the lychee and atemoya yields are lower than usual.

In addition to the farm trials, the Kauai project has presented HAW-FLYP displays at the Kauai County Farm Bureau Farmer Trade Show in January 2004 and the KCFB/CTAHR Garden Fair in April 2004. The KCFB Farmer Trade Show was attended by about 100 people, and the Garden Fair was attended by about 1,000 people. The fruit fly management techniques were also taught to 12 Kauai Master Gardener trainees and 4 landscape trainees this past March.

Richard H. Ebesu is an Associate Extension Agent for the Kauai Extension Office at the State Office Building, 3060 Eiwa Street, Room 210 Lihue, HI 96766. He may be reached at (808) 274-3471 or via email at rebesu@hawaii.edu.