HAW-FLYPM
Hawaii Area Wide Fruit Fly Integrated Pest Management Program

Cooperating Agencies: United States Department of Agriculture, Agricultural Research Service (USDA-ARS), University of Hawaii Cooperative Extension Service (UH-CES) and the Hawaii Department of Agriculture (HDOA)

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PROGRAM UPDATE
Kula, Maui

The HAW-FLYPM program recently completed several educational workshops and on-farm demonstrations for growers in the Kula area. These workshops covered fruit fly identification, male lures, fruit fly biology/lifecycle, and in-field sanitation practices. In the next few weeks, the HAW-FLYPM program will focus its energy towards evaluating the new protein bait, GF-120 for fruit fly suppression. Data obtained from this study will be distributed and discussed at an upcoming HAW-FLYPM workshop. Stay tuned.

On the implementation end, the HAW-FLYPM program has officially started fruit collection and rearing at the Kula Agricultural Station. Samples of host material within the grid area will be collected on a routine basis and held to evaluate the extent of infestation. Further, wild host and cultivated host plants in the grid area have been identified and mapped using Global Positioning Systems (GPS). This new information, along with baseline and grid trapping data, will assist HAW-FLYPM in developing a strategic plan for male annihilation in Kula, Maui.

Grant McQuate, USDA-ARS biologist, is leading the HAW-FLYPM program in implementing a mass trapping program for the Med fly in upper Kula orchard areas. The HAW-FLYPM program is working closely with growers to set up and place Biolure traps in appropriate areas.

On-Farm Demonstration Data: In-Field Sanitation

Culled fruit left in field create a breeding area for fruit fly species. In May 2001, HAW-FLYPM aimed to uncover fruit fly population levels in culled fruit taken from the Kula area in Maui. Culled fruit were separated into 4 treatments:

1) Whole Fruit,
2) Whole Fruit on Mesh Material,
3) Smashed Fruit, and
4) Smashed Fruit Sprayed with Malathion

The purpose of this newsletter is to provide you with current updates on fruit fly populations in the Kula area. We hope this information will be useful to you.

Jari S. Sugano
HAW-FLYPM Extension Coordinator

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