

Managing Fruit Flies In the Home Garden

1. Sanitation

Options for disposing of infested produce:

- ❖ Compost: plastic covered & maintain internal heat of at least 140°F
- ❖ Bagging: Bag infested fruit tightly in thick plastic bags; can use as compost after 1 month
- ❖ Animal Feed: Feed infested fruit to animals; dispose of any uneaten fruit after 1 day
- ❖ Burying: Bury culls greater than 18 inches
- ❖ Drowning: Submerge fruit for at least 48 hours, then monitor for re-infestation
- ❖ Grinding: Grind up thoroughly; garbage disposal will do
- ❖ Augmentorium: tent-like structure, retains fruit flies, allows beneficial insects to escape

2. Monitoring Traps

- ❖ Choose correct lure (see below)
- ❖ Don't mix lures; limit one lure per trap



- ❖ Change gloves if handling different lures
- ❖ Hang traps in shady areas out of reach of children & animals
- ❖ Keep record of outbreaks & service dates

3. Protein Bait Spray

- ❖ Mix 1 part GF-120 in 4 to 10 parts H₂O
- ❖ Wash spray bottles thoroughly after use
- ❖ Diluted spray should not be stored for future application
- ❖ Application Rates:

For Fruit Trees:

- ✓ Several spot sprays per tree
- ✓ ¼-1 ounce solution per tree every 7 days.

For Melon Fly

- ✓ Spray several spot sprays @ ¼-1 ounce solution every 10 feet every 7 days in roosting host* or border crop
- ✓ Re-apply bait after rain
- ✓ For rainy areas, paint 1 part GF-120 to 4 parts water inside bucket or bottom half of an empty water bottle. Hang upside down on post or foliage
- ✓ Reapply GF-120 every 7 days.
- ✓ Wear personal protective clothing/use protective equipment

COMMON FRUIT FLIES IN HAWAII



Oriental Fruit Fly

- Major hosts** - breadfruit, carambola (starfruit), cherimoya, citrus, guava, mango, papaya, and peach
- Use **Methyl Eugenol** lure in traps as high as possible in/near fruit trees
 - Spray GF120 in each fruit tree in several well-saturated 5" spots in foliage/on trunks

Melon Fruit Fly

- Major hosts** - pepper, bittermelon, cucumber, eggplant, melon, pumpkin, sequa, squash, tomato, and zucchini
- Use **Cure Lure**. Hang at eye level around crop.
 - Use several spot sprays GF120 @ ¼-1 ounce solution every 10 feet on border crop or roosting hosts (*Cassava, castor bean, Christmas berry, corn, hibiscus, panax, ti, wiliwili, Sudex)



Medfly

- Major hosts** - coffee, citrus, loquat, persimmon, guava, papaya, and peach
- Use **Bio-Lure Medfly**. Hang at eye level in or near fruit trees.
 - Spray GF120 in each fruit tree in several well-saturated 5" spots in foliage/on trunks

