

GUIDELINES FOR USE IN THE STATE OF CALIFORNIA

MALATHION INSECTICIDE

For control of Quarantined members of the fruit fly family Tephritidae

It is a violation of federal law to use a pesticide product in any manner inconsistent with its labeling. These guidelines are in compliance with FIFRA Section 2(ee). Follow all applicable directions, restrictions, and precautions on the EPA registered label.

GUIDELINES FOR USE

To control: Quarantined members of the fruit fly family Tephritidae in host crops listed on commercially available Malathion Insecticide labels registered in California.

Commercial Grown Host Crops: Apply 2.4 ounces (oz.) technical active ingredient (a.i.) of malathion mixed with approximately 9.6 fluid ounces (fl. oz.) protein hydrolase (or similar substance) bait per acre. Amount of bait may vary according to type, viscosity, medium, or tank needs. Add water which has been buffered to near 7.0 pH, if required, according to the amounts given below, per acre.

Ground or Aerial Application: 2.4 oz. technical grade a.i. malathion, 9.6 fl. oz. (approx. bait) per acre

Active Ingredient Concentration	Amount of Malathion Product	Bait	Water
Technical Grade	2.4 fl. oz.	9.6 fl. oz.	1 gal field and row crops 3 gal trees and vines
8 lbs. a.i. per gallon	2.8 fl. oz.	9.6 fl. oz.	1 gal field and row crops 3 gal trees and vines
5 lbs. a.i. per gallon	3.8 fl. oz.	9.6 fl. oz.	1 gal field and row crops 3 gal trees and vines

Frequency/Timing of Application:

Aerial and/or ground applications shall commence immediately upon establishment of treatment zones, or boundaries.

Ground or aerial applications will be conducted at scheduled intervals as determined by the label, and shall continue as needed.

Restricted Entry Interval (REI): Exception from the Worker Protection Standard, including any REI under 40 CFR, Part 170.103, wide-area public pest control programs sponsored by government entities.

Treatments are intended to be quarantine and eradication only and therefore shall be conducted under the direct supervision of federal, state, or county authorized agricultural personnel.

These Guidelines are in compliance with the federal regulations 7CFR301.32

Premises: Fields, groves, or areas that are located within a quarantined area but outside the infested core area and that produce regulated articles may receive regular treatments with either malathion or spinosad bait spray as an alternative to treating fruits and vegetables as provided in 7 CFR 305. These treatments must take place at 6- to 10-day intervals, starting a sufficient time before harvest (but not less than 30 days before harvest) to allow for development of fruit fly egg and larvae. Determination of the time period must be based on the day degrees model for the specific fruit fly. Once treatment has begun, it must continue through the harvest period. The malathion bait spray treatment must be applied by aircraft or ground equipment at a rate of 2.4 oz of technical grade malathion and 9.6 oz of protein hydrolysate per acre. The spinosad bait spray treatment must be applied by aircraft or ground equipment at a rate of 0.01 oz of a USDA-approved spinosad formulation and 48 oz of protein hydrolysate per acre. For ground applications, the mixture may be diluted with water to improve coverage.

