

GRAPES - LEAFHOPPER - CONCENTRATE

General Information

USE SITE RESTRICTIONS

This product may be applied on the plants listed on the label which are growing in or around habitable buildings, along city streets and other rights-of-ways, as well as in agricultural settings. Refer to the appropriate table for the application rate specified to control a specific pest on a specific plant.

PESTS CONTROLLED

This product may be used to control adelgids, aphids, lace bugs, leafhoppers, leafminers (larvae), mealybugs, mites, plant bugs, psyllids, sawfly larvae, scales, thrips, whitefly and eggs of aphids, mites and hairless caterpillars on vegetables, fruits, tree nuts, certain field crops, shrubs, trees, greenhouse plants, ornamental foliage plants and flowers. This product may be applied up to harvest.

APPLICATION INSTRUCTIONS

The target pest must be completely covered with spray. Oil residue on the plant surface often acts as a feeding and oviposition deterrent. However, the primary target is the pest itself as oil is a contact pesticide.

DILUTE APPLICATIONS: Use the minimum number of gallons needed to completely cover all the tree surfaces, but not to the point of runoff. For most tree fruits this can be as much as 300-400 gallons per acre or as low as 100 gallons per acre for smaller trees. For mature citrus trees this can be as much as 800-1500 gallons per acre. Dilute applications typically provide better coverage than concentrate applications.

CONCENTRATE APPLICATIONS (usually from 45 to 125 gallons spray per acre) may reduce coverage and effectiveness. Concentrate application includes the use of low volume (from 10 to 100 gallons spray per acre) sprayers. A concentrate application can provide satisfactory results as long as the spray unit is properly engineered, calibrated and operated. Speed of travel for ground application is extremely important. Tractor speed from 1 M.P.H. to 4 M.P.H. is recommended depending on

crop, crop size and target pest. Low volume applications of SunSpray Ultra-Fine Spray Oil will require approximately the same amount of oil per acre as dilute sprays but applied with much less water. Spray oil calculations should be based on no runoff of the oil phase of the mixture.

TIMING THE TREATMENT

Applicator must determine the precise timing to fit local growth and climatic conditions. **DO NOT EXCEED MAXIMUM RATES OR APPLY MORE OFTEN THAN INDICATED IN THIS BOOKLET. THIS PRODUCT MAYBE USED UP TO DAY OF HARVEST.**

- 1 gallon of oil/100 gallons of water = 1 quart of oil/25 gallons of water = 32 fluid ounces of oil/25 gallons of water

- 1 quart = 0.95 liters. 1 gallon = 3.785 liters

Limitations, Restrictions, and Exceptions

- Concentrate Spray: (40-100 Gals. Spray per Acre)

- Sprays after grapes are more than 1/4" diameter may affect bloom.

- Apply before mites reach high populations. Vineyard should be vigorous and supplied with ample water prior to application. Do not allow excessive webbing or burning.

No sensitivity to SunSpray Ultra-Fine Spray Oil treatments has been seen in the vineyards of cabernet, merlot, chardonnay or ribier when used for insect control. Do not mix SunSpray Ultra-Fine Spray Oil with dicofol (Kelthane), Captan, or sulfur since all can cause phytotoxicity in some varieties.

Avoid more than 4 consecutive sprays. Some varieties of grapes may be sensitive to 4 or more consecutive sprays.

Concentrate Spray: Air-carrier or air-blast type sprayers are strongly recommended to avoid plant injury and reduce effect on bloom of table grapes.

NR = Not Recommended

Method

[Spray](#)

Rates

[field_rates 0](#)

[field_rates 1](#)

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Restricted Entry Interval

4 hours

Timings

[During first brood, if possible.](#)