

# **CITRUS (LEMONS, GRAPEFRUIT, ETC.) - SOUTHERN CALIFORNIA - SCALES**

## General Information

### APPLICATIONS

This spray oil is a straight-cut narrow boiling range petroleum oil designed specifically for use on deciduous fruit trees.

Apply so as to give total coverage to all parts of tree. Thorough drenching of trunks, limbs, twigs and leaves is essential for maximum insect control.

This product may be used as a carrier for appropriate insecticides and fungicides which are registered for use on deciduous fruits and nuts and which can be applied to give a uniform spray. Consult your local Agricultural Extension Service.

### GROUND APPLICATIONS

**Release Height:** Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

**Wind Speed:** Do not apply at wind speeds greater than 15 mph at the application site.

**Droplet Size:** Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume diameter (VMD) for spinning atomizer nozzles.

### AIRBLAST APPLICATIONS

For airblast applications, turn off outward-pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

### AERIAL APPLICATIONS

**Release Height:** For aerial applications of agricultural products, do not release spray at a height greater than 10 feet above the ground, top of crops, or above the orchard canopy.

**Boom Length:** The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

**Swath Adjustment:** When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

**Wind Speed:** Do not apply at wind speeds greater than 15 mph at the application site.

**Droplet Size:** Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume diameter (VMD) for spinning atomizer nozzles.

**LIMITATIONS ON APPLICATIONS TO CITRUS CROPS:** Maximum of 159 pounds active ingredient per acre (maximum 1500 gallons of spray mix per acre) in Florida, and 212 pounds active ingredient per acre (maximum 2000 gallons of spray mix per acre) in California (based on Thorough Coverage Spray, with 1.5 gallons of product mixed in 100 gallons of water).

**DO NOT COMBINE WITH SULFUR SPRAYS AND DO NOT APPLY** spray oil within 30 days before or after an application of sulfur except in the Northwest (Oregon and Washington) where it may be used in combination on Pears as a Post Harvest (after all fruit is off the tree), Dormant and Delayed Dormant (before the scales slip, or at or prior to bud swell) treatment and on Apples prior to or up to the Delayed Dormant (½ inch green) period.

**DO NOT MIX** with insecticides or fungicides incompatible with oil. Consult your State Agricultural Extension Service for specific compatibilities.

**DO NOT APPLY** to trees weakened by disease, drought, drying winds, or high nitrogen applications.

**DO NOT USE** this product when temperatures are above 96°F.

Use only in spray machines with powerful positive agitation. Keep agitator running at all times during spray operations. This product is formulated as a “fast break” spray oil and will not stay in solution unless agitated constantly.

Unless otherwise noted, amounts given are for 100 gallons of diluted spray. See specific instructions for concentrate and aerial application.

ORCHARD CONCENTRATE APPLICATION: Apply 3 to 6 gallons in a minimum of 50 gallons of water per acre.

Use only on crops listed on the label. Special concentrate spray equipment is necessary for this application.

Limitations, Restrictions, and Exceptions

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APPLICATION RATE

- Apply up to 10 gals. per acre to bearing trees up to 10 feet in height. Add 1 gal. of oil per acre for each foot of tree height over 10 feet. Apply as a low volume spray (LV).

COMMENTS

- For Lemons, Grapefruit, Oranges (Navels and Valencias), Tangelos and Tangerines.
- For Lemons, make applications in all months except December through February; for Grapefruit make applications July through October; for Oranges make applications on Navels July through September and on Valencias, Tangelos and Tangerines July through October.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

Broadcast/Foliar Ground

Rates

field\_rates 0

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Restricted Entry Interval

4 hours

Timings

Lemon: In all months except December through February.

Grapefruit: July through October.

Oranges (Navels): July through September.

Valencias, Tangelos and Tangerines: July through October.