

CITRUS FRUITS - THRIPS AND MEALYBUGS (CALIFORNIA AND ARIZONA)

General Information

Product Information

Lorsban Advanced insecticide is an emulsion in water for use in listed crops. This product resists washoff once it is dry. Target pests and application rates are provided in the accompanying tables.

Use Precautions and Restrictions

Insect control may be reduced at low spray volumes under high temperature and wind conditions.

Some reduction in insect control may occur under unusually cool conditions.

Flood irrigation: To avoid contamination of irrigation tail waters, do not flood irrigate within 24 hours following a soil surface or foliar application of Lorsban Advanced.

Do not aerially apply this product in Mississippi.

Insecticide Resistance Management (IRM)

Lorsban Advanced contains a Group 1B insecticide. Insect/mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Lorsban Advanced or other Group 1B insecticides.

To delay development of insecticide resistance:

- Avoid consecutive use of insecticides with the same mode of action (same insecticide group) on the same insect species.
- Use tank mixtures or premix products containing insecticides with different modes of action (different insecticide groups) provided the products are registered for the intended use.
- Base insecticide use upon comprehensive Integrated Pest Management (IPM)

programs.

- Monitor treated insect populations in the field for loss of effectiveness.
- Contact your local extension specialist, certified crop advisor, and or manufacturer for insecticide resistance management and/or IPM recommendations for the specific site and resistant pest problems.
- For further information or to report suspected resistance, you may contact Dow AgroSciences by calling 800-258-3033.

Application Directions

Broadcast Foliar Application

Apply with conventional power-operated spray equipment using nozzles and spray pressures specified for insecticides. Apply Lorsban Advanced in a spray volume of not less than 2 gallons per acre (gpa) for aerial application equipment (fixed wing or helicopter) or not less than 10 gpa for ground equipment, unless otherwise specified. Increase spray volume to ensure adequate coverage with increased density and height of crop canopy.

Ground Application: Orient the boom and nozzles so that uniform coverage is obtained. The swath width should not be wider than the boom. Follow nozzle manufacturer's specifications for insecticide nozzles with respect to nozzle type, pressure, and spacing.

Broadcast Soil Application

Apply with conventional power-operated spray equipment that will apply the product uniformly to the soil surface. Use nozzles that produce medium or coarse droplets (255 to 400 microns). Unless otherwise indicated, a spray volume of 10 gpa or more is needed. For band application, use proportionally less spray volume.

Aerial Application

Use a minimum spray volume of 2 gpa. Mark swaths by mechanical flagging, permanent markers or GPS equipment.

Chemigation Application

Apply Lorsban Advanced through properly equipped chemigation systems for insect control in alfalfa, almond (orchard floors only), citrus (orchard floors only), corn (field and sweet), cotton, cranberry, peppermint, sorghum, soybeans, spearmint,

sugarbeet, orchard floors (pecan and walnut), and wheat, or other crops as specified in Dow AgroSciences supplemental labeling. Do not apply this product by chemigation unless specified in crop-specific directions in this label or Dow AgroSciences supplemental labeling. Do not apply to labeled crops through any other type of irrigation system.

Note: Unless otherwise indicated in specific use directions, the application rates for chemigation are the same as those specified for broadcast application.

Limitations, Restrictions, and Exceptions

Citrus Fruits

(Not for use in Mississippi)

Apply as a concentrate or dilute spray using conventional, power operated spray equipment. Use a higher rate in the rate range when there is increased pest pressure. Use sufficient water to ensure thorough and complete coverage of the foliage and fruit. For dilute sprays (greater than 200 gpa), use a spray concentration of at least 0.5 pints of Lorsban Advanced per 100 gallons of finished spray. Complete coverage is not necessary for outside canopy sprays targeting certain pests such as lepidoptera insects and katydids. Treat when pests become a problem or in accordance with the local spray schedule as specified by your State Agricultural Experiment Station, certified Pest Control Advisor, or Extension Service Specialist. To avoid excessive ridging, do not apply Lorsban Advanced to citrus from December 1 up to the initiation of bloom (5 % visible bloom).

Low Volume Application (for use in Florida only): Apply

Lorsban Advanced at the rate of 3 to 5 pints per acre as a low volume application (e.g., 2 to 5 gallons of water) to control Asian citrus psyllid. Do not make low volume applications when wind speed is more than 5 mph. Regardless of the application method used (air, low volume, airblast), treat only a few acres when using the lower rate or a new application method to determine the effectiveness in the citrus grove.

Use of Spray Oils: To improve control of aphids, mealybugs, scale insects, and thrips, a petroleum spray oil specified for use on citrus trees may be added to spray mixtures at up to 1 gallon per 100 gallons of spray.

Pest-Specific Use Directions:

1. Lubber grasshoppers: Effective control requires direct contact with spray when grasshoppers are small (less than 1 inch in length).
2. Citrus rust mites: For control, use a spray concentration of at least 1 pint of Lorsban Advanced per 100 gallons.
3. In Los Angeles, Monterey, Orange, San Diego, San Luis Obispo, Santa Barbara, and Ventura Counties in California, Lorsban Advanced may be tank mixed with petroleum spray oils registered for control of mites in citrus. Follow all label directions and precautions for Lorsban Advanced and tank mix partners. Do not exceed 1.8% oil v/v or 1.8 gallons of oil per 100 gallons of spray. Use only on citrus species and varieties for which Lorsban Advanced is registered.
4. Citrus psylla: For control, add citrus oil at 2% v/v in a tank mix with Lorsban Advanced.

Specific Use Precautions:

- Observe local recommendations for tank mix combinations especially with regard to use of Lorsban Advanced with spray oil. Do not use penetrating surfactants in tank mixes with Lorsban Advanced. Consult with a county farm advisor, county agency, extension service personnel, agricultural commissioner, pest control advisor, or local Dow AgroSciences representative for local recommendations.
- Do not apply when trees are stressed by drought or high temperatures.
- Lorsban Advanced is highly toxic to bees exposed to direct treatment and must not be applied when bees are actively visiting the area. During the citrus bloom period in California, apply from 1 hour after sunset until 2 hours before sunrise.
- Do not use Lorsban Advanced in combination with spray oil when temperatures are expected to exceed 95°F on the day of application or for several consecutive days thereafter.

Specific Use Restrictions:

- Preharvest Interval: Do not apply within 21 days before harvest for applications of up to 7 pints of Lorsban Advanced per acre or within 35 days for application of rates

above 7 pints per acre.

- Do not make more than two applications of Lorsban Advanced or other product containing chlorpyrifos per year (does not include citrus orchard floors).
- Do not apply more than a total of 7.04 lb ai chlorpyrifos (16 pints of Lorsban Advanced) per acre per year.
- Do not make a second foliar application of Lorsban Advanced or other product containing chlorpyrifos within 30 days of the first application.
- The use of application rates greater than 4 lb ai chlorpyrifos (8.5 pints of Lorsban Advanced) per acre are allowed only in the following counties in California: Fresno, Tulare, Kern, Kings, and Madera.
- Do not allow meat or dairy animals to graze in treated areas.

Method

[Foliar spray](#)

Pre-Harvest Interval

35 days

Rates

[field rates 0](#)

•

Restricted Entry Interval

5 days

Timings

[When pests become a problem.](#)