

62719-39

10/23/2000

1/16

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Oct 23, 2000

John J. Jachetta, Ph.D.  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

Subject: Lorsban 50W [REDACTED]  
EPA Reg No.: 62719-39  
Resubmission dated Oct 6, 2000

Dear Dr. Jachetta:

The revised labeling referenced to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable provided that you make the labeling changes indicated before you release the product for shipment bearing the amended labeling:

- 1) On pages one and five, add the following after "eye protection": "(goggles, face shield, or safety glasses with front, brow, and temple protection)".
- 2) The Statement on page 8 under Apple Restrictions: "In California: Do not work involving contact with trees within 2 days after treatment." must be deleted. The REI statement on the label "Do not enter into treated areas during the restricted entry interval (REI) of 4 days unless PPE required for early entry is worn." obviates the need for this additional statement and it could cause confusion.
- 3) The Statement on page 13 under Nut Crop Restrictions: "Do not work involving contact with trees within 2 days after treatment." must be deleted. The REI statement on the label "Do not enter into treated areas during the restricted entry interval (REI) of 4 days unless PPE required for early entry is worn." obviates the need for this additional statement and it could cause confusion.

As requested in your letter of July 5, 2000, the conditions of paragraph 5 of the June 2000 Memorandum of Agreement apply to this label amendment, specifically this amended

2/16

label is effective Dec 1, 2000. Failure to comply with any of the conditions of registration set forth in Paragraph 10 the MOA shall be grounds for cancellation of the affected registration(s) under FIFRA section 6(e). Submit one copy of the revised final printed label before releasing the product for shipment. If the conditions enumerated above are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e).

A stamped copy of the label is enclosed for your records. If you have questions, please contact me on (703) 308-6742 or electronically at [McNeilly.Dennis@EPA.gov](mailto:McNeilly.Dennis@EPA.gov).

Sincerely,



Dennis McNeilly, Chemist  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

3/16

(Base Label):

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

(Logo) Dow AgroSciences LLC

# Lorsban\* 50W Wettable Powder Insecticide

For control of various insects on certain fruit, nut and vegetable crops

Active Ingredient:

chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2 pyridinyl) phosphorothioate ..... 50%

Inert Ingredients ..... 50%

Total ..... 100%

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
OCT 23 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

62719-38

Keep Out of Reach of Children

## DANGER PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

**Corrosive • Causes Irreversible Eye Damage • May Be Fatal If Swallowed • Harmful If Absorbed Through Skin Or Inhaled**

**Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust or spray mist. Work to windward to stay out of spray drift or mist. Keep away from food, feedstuffs and water supplies.**

#### Personal Protective Equipment

**Applicators and other handlers (other than mixers and loaders) must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

**Mixers and Loaders must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant headgear
- Dust/mist filtering full-face respirator (MSHA/NIOSH approval number prefix TC-21C). Replace respirator and/or filtering elements if an increase in breathing resistance is experienced.

4/16

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### First Aid

#### Organophosphate

**If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Note to physician:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

### Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water exists or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Avoid use when bees are actively foraging or if bees are likely to come in contact with wet or re-wetted treated surfaces. Protective information may be obtained from your Cooperative Extension Service. This product may pose a hazard to certain Federally endangered fish species. Refer to the "Endangered Species Restrictions" under the General Use Precautions section of this label for any geographic restrictions.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use Including Storage and Disposal.

**Notice:** Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

5/16

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-39

EPA Est. \_\_\_\_\_

\*Trademark of Dow AgroSciences LLC  
Produced for Dow AgroSciences LLC  
Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

**Insecticide**

**Net Weight** \_\_\_\_

6/16

(Label Booklet)

**RESTRICTED USE PESTICIDE**  
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

(Logo) Dow AgroSciences LLC

# Lorsban\* 50W Wettable Powder Insecticide

**For control of various insects on certain fruit, nut and vegetable crops**

Active Ingredient:  
chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-  
2 pyridinyl) phosphorothioate ..... 50%  
Inert Ingredients ..... 50%  
Total ..... 100%

**Keep Out of Reach of Children**

**DANGER PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**Agricultural Use Requirements**  
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations and Directions for Use Including Storage and Disposal.**

**Notice:** Read the entire label. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-39

EPA Est. \_\_\_\_\_

\*Trademark of Dow AgroSciences LLC  
Produced for Dow AgroSciences LLC  
Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

## Insecticide

**Net Weight** \_\_\_\_

7/16

(Page 1 through end):

---

**Precautionary Statements**

---

**Hazards to Humans and Domestic Animals****Keep Out of Reach of Children****DANGER****Corrosive • Causes Irreversible Eye Damage • May Be Fatal If Swallowed • Harmful If Absorbed Through Skin Or Inhaled****Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust or spray mist. Work to windward to stay out of spray drift or mist. Keep away from food, feedstuffs and water supplies.****Personal Protective Equipment (PPE)****Applicators and other handlers (other than mixers and loaders) must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

**Mixers and Loaders must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant headgear
- Dust/mist filtering full-face respirator (MSHA/NIOSH approval number prefix TC-21C). Replace respirator and/or filtering elements if an increase in breathing resistance is experienced.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**First Aid****Organophosphate****If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Note to physician:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

### Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water exists or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Avoid use when bees are actively foraging or if bees are likely to come in contact with wet or re-wetted treated surfaces. Protective information may be obtained from your Cooperative Extension Service. This product may pose a hazard to certain Federally endangered fish species. Refer to the "Endangered Species Restrictions" under the General Use Precautions section of this label for any geographic restrictions.

---

### Directions for Use

---

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the [REDACTED]

Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early reentry requirements pursuant to 40 CFR Part 170.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure



9/16

### **Storage and Disposal**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 100°F for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

**Pesticide Disposal:** Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### **General Information**

Lorsban® 50W Wettable Powder insecticide is designed for use as a cover or foliar spray to control various pests. The pests controlled are listed in the accompanying table. Generally Lorsban 50W is compatible with insecticides, miticides, and fungicides commonly recommended for agricultural crops except for alkaline materials such as Bordeaux mixture and lime. Prepare a small amount of the spray mixture and check for compatibility before mixing a large volume of spray.

Test compatibility of the intended tank mixture before adding Lorsban 50W to the spray or mix tank. Add proportionate amounts of each ingredient to a pint or quart jar, cap, shake, and let set 15 minutes. Formation of precipitates that do not readily redispense indicates an incompatible mixture that should not be used.

### **General Use Precautions**

#### **Endangered Species Restrictions**

The use of Lorsban 50W may pose a hazard to certain Federally endangered fish species. This product cannot be used on sour cherry trees in the following counties:

**Colorado:** Delta, Larimer and Mesa

**Ohio:** Washington

**Utah:** Emery, Grand, Utah and Washington

**Wisconsin:** Iowa, Pierce, Richland and Vernon

### **Mixing Directions**

Lorsban 50W mixes readily with water to form a suspension. Mix the required amount of Lorsban 50W with a small quantity of water and add this premix while filling the spray tank. Alternatively, fill the tank with the required amount of water and then add the premix. Maintain sufficient agitation during both mixing and application to ensure uniformity of the spray mixture. Lorsban 50W contains a wetting agent. Additional wetting agents, spreaders, or stickers are not necessary and should only be used if previous experience with the combination indicates that undesirable crop safety effects will not occur under current conditions of use.

### **Approved Uses**

#### **General Application Directions**

Use Lorsban 50W at the dosages indicated by application as a foliar spray to control pests listed in the following tables. Where a rate range is listed in the use directions, use the higher rate for more severe infestations. Mix the required dosage in sufficient water to ensure adequate coverage and apply as a concentrate or dilute spray using conventional, power-operated ground spray equipment or by aircraft (fixed-wing or helicopter). For dilute sprays applied to tree fruits and nuts, mix the required dosage in

10/16

sufficient water to allow for spray to run off. For concentrate sprays, apply an equivalent amount of Lorsban 50W per acre. Treat when pests appear or in accordance with local conditions. Mow or beat down orchard blooming weed cover tops before applying spray to tree fruit crops to reduce hazard to bees. This step is especially important in relation to early spring cover sprays when morning conditions may be wet from dew. Lorsban 50W will perform best in an almond or walnut pest control program that includes winter sanitation (removal of mummy nuts) and regular monitoring of target pests. To suppress pecan leaf scorch mite on pecans, use in a preventative program. For best pecan *Phylloxera* control, use two applications 7 to 10 days apart starting at bud swell and ending by early leaf expansion. For ant control on pecans, do not apply where weed growth or other obstructions would impede uniform coverage of the orchard floor. Consult your state agricultural experiment station, certified pest control advisor, or extension service specialist for specific use information in your area.

## Apples

**Worker Restricted Entry Interval:** Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days unless PPE required for early entry is worn.

### Restrictions (All Use Areas)

- Make no more than 8 applications per season.
- Do not apply to apples post-bloom.
- Do not allow livestock to graze in treated orchards.

### Additional Restrictions (By Geographic Location)

- **In California:** Do not do work involving contact with trees within 2 days after treatment.

Use Lorsban 50W to control the pests listed in the following table at the rates indicated.

### Use And Dosage Recommendations

Geographic Location	Pests Controlled	Dosage Recommendations	Remarks
All Areas	climbing cutworm dogwood borer (trunk spray) obliquebanded leafroller pandemis leafroller rosy apple aphid San Jose scale	3 lb/acre	Apply only as a dormant or delayed dormant spray. Delayed dormant sprays may be made from silver tip through the 1/2 inch green tip stage. Trunk sprays may be applied during the dormant or delayed dormant stages.  Additional wetting agents, spreaders, or stickers are not necessary and should only be used if previous experience with the combination indicates that undesirable fruit finish effects will not occur under current conditions of use.

11/16

## Citrus Crops

**Worker Restricted Entry Interval:** Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 5 days unless PPE required for early entry is worn.

Use Lorsban 50W at the rates indicated for specific pests according to directions for designated geographic areas. Use the lower rates for light infestations and increase the dosage for heavier infestations.

Where recommended, a petroleum spray oil approved for use on citrus trees may be added to dilute spray mixtures at a rate of up to 1.8 gallons per 100 gallons of finished spray to improve control of aphids, mealybugs, scale insects, and thrips (see Mixing Directions). Treat when insects become a problem or in accordance with the local spray schedule recommended by your state extension service specialist.

Lorsban 50W may be applied in tank mixtures with ethion<sup>†</sup>, dicofol, Agri-Mek<sup>†</sup>, or Vendex (<sup>†</sup>Not registered in California). Read and carefully follow all applicable directions, restrictions and precautions on labeling of products used in combination with Lorsban 50W.

### Precautions

Observe local use recommendations for tank mix combinations especially in regard to application of Lorsban 50W plus spray oil. Consult with a county farm advisor, county agency, extension service personnel, agricultural commissioner, pest control advisor, or local Dow AgroSciences representative for information applicable to your local area.

Do not apply with liquid fertilizer or oil as a carrier.

Do not apply when trees are stressed by drought or high temperatures.

Lorsban 50W is highly toxic to bees exposed to direct treatment and should not be applied when bees are actively visiting the area. During the bloom period in California and Arizona, apply from one hour after sunset until two hours before sunrise.

### Restrictions

Do not apply more than 2 applications or more than 15 pounds of Lorsban 50W per acre per year.

Do not make a second foliar application within 30 days after the first application.

Do not treat within 21 days of harvest for applications up to 7 pounds of Lorsban 50W per acre or within 35 days of application of rates above 7 pounds per acre.

Do not allow livestock to graze in treated areas.

12/16

## Use and Dosage Recommendations

Crop	Geographic Location	Pest	Dosage of Lorsban 50W (lb/acre)	Dilute Spray Volume (gal/acre)	Remarks
grapefruit, lemon, orange, and other citrus fruit	California Arizona	aphids katydids Lepidopterous larvae avocado leafroller cutworms fruit tree leafroller orange tortrix western tussock moth	2 - 4	ground: 100 - 750	Do not use a spray concentration of Lorsban 50W of less than 1/2 lb per 100 gal of finished spray.  <b>Additional Precautions for California and Arizona:</b> Lorsban 50W should not be used in combination with spray oil when temperatures are expected to exceed 95°F for several consecutive days after treatment.
		scale insects black scale brown soft scale California red scale	8 - 12	100 - 2400	
		thrips (suppression) mealybugs	6 - 12	100 - 750	Do not apply during the months of December, January and February.
grapefruit, lemon, orange, and other citrus fruit	Florida	aphids grasshoppers † orange dogs mealybugs scale insects snow scale Florida red scale purple scale long scale chaff scale black scale brown soft scale	2 - 7	100 - 1400	Do not use a spray concentration of Lorsban 50W of less than 1/2 pound per 100 gal of water per acre.
		citrus rust mites	4 - 7	100 - 700	Do not use a spray concentration of Lorsban 50W of less than 1 pound per 100 gal of water per acre.
		† Lubber grasshoppers must be controlled when they are small (less than 1 inch in length) by direct contact with the spray.			
grapefruit, lemon, orange, and other citrus fruit	Texas	aphids cutworms katydids mealybugs scale insects barnacle scale black scale brown soft scale California red scale chaff scale	4 - 7	200 - 700	Do not use less than 1 lb of Lorsban 50W per 100 gal of finished spray in dilute applications.
		citrus rust mite (suppression)			

13/16

small transplanted grapefruit, lemon, orange, and other citrus fruit trees	Texas	aphids cutworms katydids mealybugs scale insects brown soft scale California red scale chaff scale	maximum of 7	(see Remarks)	Apply Lorsban 50W at a rate of 1 oz/1 gal of water with a backpack sprayer. Apply to runoff.
--	-------	---	--------------	---------------	--

**Brassica (Cole) Crops**

Use Lorsban 50W to control the pests listed in the following table at the rates indicated.

**Use and Dosage Recommendations**

Crop	Insects Controlled	Dosage Lorsban 50W	Restrictions
brassica (cole) broccoli Brussels sprout cabbage cauliflower collards kale kohlrabi	cabbage aphid cutworms imported cabbageworm striped flea beetle (adult) armyworms (including beet armyworm) diamondback moth <sup>1</sup>	2 lb/acre	<p>Make no more than 6 applications per season.</p> <p>Do not apply within 21 days before harvest.</p> <p>To avoid phytotoxicity in brassica crops, do not treat plants that are under stress from extreme heat and/or lack of moisture.</p> <p>For aerial applications, apply in a minimum of 5 gal of water per acre. Control may be reduced at low spray volumes.</p> <p>Tank mixing is recommended only if previous experience indicates that the combination will not result in phytotoxicity under the current conditions of use, and the other pesticides and spray adjuvants are registered for this use<sup>2</sup>. Read and carefully follow all applicable directions, restrictions, and precautions on labeling for other products used in combination with Lorsban 50W.</p>

<sup>1</sup> Significant organophosphate insecticide resistance has been reported for diamondback moth populations in Texas. Lorsban 50W will not control organophosphate-resistant populations of diamondback moth. Consult your local extension service for resistance management information.

<sup>2</sup> For regional information regarding a specific tank mix, contact your local Dow AgroSciences representative. Tank mixes with Thiodan 3EC, Thiodan 50WP, or cottonseed oil are not recommended. Refer to the "General Information" section of this label for directions on testing tank mix compatibility.

14/16

## Nut Crops

**Worker Restricted Entry Interval:** Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 2 days unless PPE required for early entry is worn.

Lorsban 50W may also be used on almonds and walnuts as a dormant/delayed dormant treatment applied at the dosages indicated in a dilute or concentrate spray. Proper equipment must be used to obtain complete coverage of the entire bark area. If scale infestations are severe, dilute sprays should be used to ensure complete coverage. Use oil as recommended by your state agricultural experiment station, state extension service specialist, or certified pest control advisor. Do not use oil with Lorsban 50W on walnuts. Because dry or cold conditions may cause Lorsban 50W plus oil sprays to infuse trees resulting in bud damage or drop, do not apply until winter rains or irrigation has replenished soil moisture such that bark and twigs are not desiccated.

### Use and Dosage Recommendations

Crop	Insects Controlled	Dosage Lorsban 50W	Restrictions
Almonds	navel orangeworm peach twig borer San Jose scale	4 lb/acre	Make only one dormant/delayed dormant spray application and no more than three foliar spray applications on almonds per season, one dormant/delayed dormant spray application and no more than two foliar spray applications on walnuts per season, and no more than three foliar spray applications on filberts per season. Do not apply within 14 days of harvest. Do not allow livestock to graze in treated orchards. Do not apply as a dormant spray application on almonds in the following counties in California: Butte, Colusa, Glenn, Solano, Sutter, Tehama, Yolo and Yuba.
Walnuts	codling moth walnut scale walnut husk fly	4 lb/acre	
Filberts	eyespotted bud moth filbert aphid filbert leafroller filbertworm obliquebanded leafroller omnivorous leaftier winter moth	3 - 4 lb/acre	
Pecans	black pecan aphid hickory shuckworm pecan leaf scorch mite (suppression)	2 lb/100 gal	Make no more than 5 applications per season. Do not apply within 28 days of harvest. Do not allow livestock to graze in treated orchards.
	pecan nut casebearer <i>Phylloxera</i> spp. fall webworm spittlebug	1 lb/100 gal	
	fire ants and other ant species (orchard floor)	2 lb/acre	

**Sour Cherries**

**Worker Restricted Entry Interval:** Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days unless PPE required for early entry is worn.

Use Lorsban 50W to control the pests listed in the following table at the rates indicated.

Crop	Insects Controlled	Dosage Lorsban 50W	Restrictions
Sour Cherries	borers (American plum) (lesser peachtree) (Pacific flatheaded) (peach twig) (peachtree) (shothole) climbing cutworm green fruitworm leafrollers (fruittree) (obliquebanded) (pandemis) (redbanded) lesser appleworm tarnished plant bug moth eyespotted bud mineola scale European fruit lecanium San Jose stink bug	2 - 3 lb/acre	Make no more than 8 applications per season. Do not apply within 14 days of harvest. Do not allow livestock to graze in treated orchards. In California, do not do work involving contact with trees within 2 days after treatment.  Do not use on sweet cherries.  Refer to the "Endangered Species Restrictions" section of this label for geographic restrictions on the use of Lorsban 50W on sour cherries.
	black cherry aphid cherry fruit fly plum curculio rose chafer	3 lb/acre	

**Warranty Disclaimer**

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

**Inherent Risks of Use**

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

**Limitation of Remedies**

16/16

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

\*Trademark of Dow AgroSciences LLC  
EPA-accepted \_\_\_/\_\_\_/\_\_\_