

P-4112 4611-332

SEP 16 1987

Mr. Robert F. Bischoff
Dow Chemical U.S.A.
Agricultural Products Department
P.O. Box 1706
Midland, MI 48640

Dear Mr. Bischoff:

Subject: Add Dormant/Delayed Dormant
Treatment for Almonds and Walnuts
EPA Registration No. 464-522
Your Applications Dated October 2, 1986 and June 23, 1987

The amendments referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), are acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
 2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

15858: I: Edwards: 201478: E-13: KENCO: 8/19/87: 9/01/87: CFIS: ek: lisa: ron:

CONCURRENCES

SYMBOL	DISPOSITION	CONSEQUENCES	
SURNAME			
DATE			

ACCEPTED
with COMMENTS
to EPA Letter Dated

SEP 16 1987

Specimen Label

Lorsban® 50W

Wettable Powder Insecticide

For Control of Various Insects on Certain Fruit and Nut Crops

Active Ingredient(s).

Chlorpyrifos [O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate] 50%

Inert Ingredients

E.P.A. Registration No. 464-552

E.P.A. Est. 477-TX-1

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO:

PRECAUCION AL USUARIO:

Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

MAY BE FATAL IF SWALLOWED • HARMFUL IF ABSORBED THROUGH SKIN OR INHALED • CAUSES EYE IRRITATION

Avoid Contact With Eyes, Skin, Or Clothing

• Avoid Breathing Dust or Spray Mist •

Wash Thoroughly With Soap And Water

After Handling And Before Eating Or

Smoking • When Loading the Spray Tank or

Handling the Powder, Wear a Pesticide

Respirator Jointly Approved by the Mining

Enforcement and Safety Administration

(formerly the U.S. Bureau of Mines) and by

the National Institute for Occupational Safety

and Health Under the Provisions of 30 CFR

Part II • Wear Protective Clothing Such As

Long Pants, Long Sleeve Shirt, Gloves, Hat,

And Boots When Loading The Spray Tank

Or Handling The Powder And During

Application Of The Spray Mixture • Work To

Windward To Stay Out Of Spray Drift Or Mist

• Remove Contaminated Clothing and Wash

Before Reuse • Do Not Apply This Product

in Such a Manner as to Directly or Through

Drift Expose Workers or Other Persons •

The Area Being Treated Must Be Vacated by

Unprotected Persons • Keep Away From

Food, Feedstuffs And Water Supplies

STATEMENT OF PRACTICAL TREATMENT II

Swallowed Call a physician or Poison Control Center

Drink 1 or 2 glasses of water and induce vomiting by

touching back of the throat with finger. Do not induce vomiting

attention if irritation persists. **If In Eyes:** Flush with plenty of water for 5 minutes. Get medical attention if irritation persists. **If Inhaled:** Remove to fresh air if effects occur. Get medical attention.

NOTE TO PHYSICIANS: 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. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water by cleaning of equipment or disposal of waste. 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. Protective information may be obtained from your Cooperative Agricultural Extension Service.

NOTICE

Read and understand the entire label before using. Use only according to label directions.

Before buying or using this product read WARRANTY LIMITATIONS AND DISCLAIMER elsewhere on this label. If terms are not acceptable, return unopened package at once to seller for full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under WARRANTY LIMITATIONS AND DISCLAIMER.

IN CASE OF AN EMERGENCY

endangering life or property involving this product, call collect 517-636-4400

AGRICULTURAL CHEMICAL

Do Not Ship or Store with Food, Feeds, Drugs

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

General Information

LORSBAN 50W insecticide is a wettable powder formulation designed for use as a cover spray to control various pests. The pests controlled are listed in the accompanying table. LORSBAN 50W is compatible with other pesticides, miticides, and fungicides commonly recommended in orchard spray schedules except for alkaline materials such as Bordeaux mixture and lime.

Test compatibility of the intended tank mixture before adding LORSBAN 50W to the spray or tank mix. 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 redisperse indicates an incompatible mixture that should not be used.

Mixing Instructions

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 the 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. Do not use additional wetting agents, spreaders, or stickers.

Use and Dosage Recommendations

Use LORSBAN 50W at the dosages indicated by application as a foliar spray to control pests listed in the following table. Mix the required dosage in sufficient water to ensure thorough and complete coverage of the foliage and crop and apply via a concentrate or dilute spray using conventional power operated spray equipment. For all sprays applied to tree fruits and nuts mix the required dosage in sufficient water to allow for spray to run off. For dormant treatments apply an equivalent amount of product rate (4 lb per acre). Test when pests appear to determine how well the product controls them. LORSBAN 50W is post-hatch larvicide and will help to stop a program that includes a walk-around treatment of mummy fruit and regular monitoring of the pest. To control apple aphid infestation apply spray every 10 to 14 days on a preventative schedule. To suppress a peach leaf curl infestation, apply spray in a preventative program. 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.

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 spray should be used to ensure complete coverage. The rates are recommended by your State Agricultural Experiment Station, State Extension Service Specialist, or Certified Pest Control Advisor. Do not mix oil with LORSBAN 50W or water. Because dry sand conditions may cause LORSBAN 50W particles to clog, always use fine sand - no larger than 1/8" diameter. Do not apply until water runs or irrigation has been applied to soil surface such that bark and twigs are saturated and moist.

DOSAGE AND USE RECOMMENDATIONS for LORSBAN 50W Wettable Powder

Crop	Insects Controlled	Dosage LORSBAN 50W	Recom- mendations
Apple	Apple aphid, Apple maggot, Codling moth, European apple sawfly, Eyespot, Ted bud moth, European corn borer, Fruittree leafroller, Green fruitworm, Lesser appleworm, Orange-banded leafroller, Orange tortrix, Pandemis heparana, Thrip, Trunk moth, Plum curculio, Red spider, Leafhoppers, Scale (e.g., Asian citrus, Boxelder, Cottony scale, Leafhopper, Plant bug, Tattered apple borer, Variegated leafroller, Woolly aphid, Dogwood borer (trunk spray))	3 lb per acre	Make application earlier than (On no to spray orchard do not spray trees before treat)
Apricot	Adult orangeworm, Peach twig borer, and/or scale	4 lb per acre	Make dormant treatment
Walnut	Adult orange moth, Adult scale	4 lb per acre	Make dormant treatment
Pecan	Adult orange moth, Adult scale, and/or leafroller, Winter moth	4 lb per acre	Make dormant treatment
Peach	Black peach aphid, Hickory shuckworm, Peach nut casebearer, Peach weevil, Phylloxera spp., Fire ants, and other ant species, Orchard floors	1 lb per 100 gallons	Make application when pest is present

REENTRY STATEMENT

Do not allow reentry into treated areas without protective clothing is worn. Protective clothing includes a hat or other suitable head covering, shirt and long-legged trousers or a coverall type, or a heavy woven fabric covering the body, and imp. shoes and socks. Because certain reentry more restrictive reentry intervals for

treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. These oral warnings shall inform workers of areas or fields that may not be entered without protective clothing and actions to take in case of accidental exposure as shown by the Statement of Practical Treatment section on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

WARNING Area treated with LORSBAN 50W wettable powder (insert trade or product name) Do not enter without protective clothing for 24 hours. In case of accidental exposure (insert actions to take as shown by the Statement of Practical Treatment section on this label)

STORAGE AND DISPOSAL

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

Pesticide Disposal: Wastes 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.

WARRANTY LIMITATIONS AND DISCLAIMER

The Dow Chemical Company 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 thereon under normal con-

tions of use. THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller.

When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify in writing The Dow Chemical Company of any claims to be eligible to receive either remedy given below. The EXCLUSIVE REMEDY OF THE BUYER OR USER and the LIMIT OF LIABILITY of The Dow Chemical Company or any other seller will be one of the following, at the election of The Dow Chemical Company:

(1) **Refund of purchase price** paid by buyer or user for product bought, or

(2) **Replacement** of amount of product used.

The seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations And Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations And Disclaimer in any manner.

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E886



THE DOW CHEMICAL COMPANY

Midland, Michigan 48674 U.S.A.

••• SPECIMEN LABEL 86 177 / DATE CODE E886
••• REPLACES 86-1777 DATE CODE D1185
DISCARD PREVIOUS SPECIMEN LABELS

REVISIONS INCLUDE
1) REVISED PRECAUTIONARY STATEMENTS
2) ADDITIONAL PESTS
3) ADD DORMANT/DELAYED DORMANT