

62719-352

7/20/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460



OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

July 20 2012

Darin W Lickfeldt
Dow AgroSciences
9330 Zionsville Road
Indianapolis, IN 46268

Dear Dr Lickfeldt

Subject Amended label to revise the directions for use in nurseries
Dursban® W Insecticidal Chemical
EPA Registration No 62719-352
EPA Decision No 465693
Your submission dated May 16, 2012

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable. A stamped copy of the label is enclosed for your records. Please submit one copy of your final printed labeling before you release the product for shipment. Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions, please contact Julie Chao by phone at (703) 308-8735, or by email at chao.julie@epa.gov

Regards,

A handwritten signature in cursive script that reads "Venus Eagle".

Venus Eagle, Product Manger (01)
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure

Dursban[®] W Insecticidal Chemical

Insecticide

For Manufacturing Use Only

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

Contains 0.5 lb of chlorpyrifos per pound of product

ACCEPTED

JUL 20 2012

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for the
pesticide registered under

EPA Reg No 62719-352

DANGER

Precautionary Statements

Hazards to Humans and Domestic Animals

Corrosive • Causes Irreversible Eye Damage • May Be Fatal If Swallowed • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals

Do not get in eyes or on clothing Avoid contact with skin or clothing Wear protective clothing (long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks) Wear protective eyewear and a respiratory protection device (MSHA/NIOSH approved number TC-21C) when mixing and loading or working in a non-ventilated space Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet Remove contaminated clothing and wash before reuse

First Aid

Organophosphate

If in eyes Hold eye open and rinse slowly and gently with water for 15-20 minutes Remove contact lenses if present after the first 5 minutes then continue rinsing eye Call a poison control center or doctor for treatment advice

If swallowed Call a poison control center or doctor immediately for treatment advice Have person sip a glass of water if able to swallow Do not induce vomiting unless told to do so by a poison control center or doctor Do not give anything by mouth to an unconscious person

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

Note to Physician Probable mucosal damage may contraindicate the use of gastric lavage

Have the product container or label with you when calling a poison control center or doctor or going for treatment You may contact 1-800-992-5994 for emergency medical treatment information

Environmental Hazards

This pesticide is toxic to birds and wildlife and extremely toxic to fish and aquatic organisms Do not discharge effluent containing this product into lakes streams ponds estuaries oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System

(NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. The June 7 2000 memorandum of agreement between EPA and registrants of pesticide products containing chlorpyrifos only applies to registered uses of chlorpyrifos in the U.S.

Manufacturing-Use Product Labeling Requirements

After October 1 2000, any manufacturing-use product formulated from this product must bear EPA-approved labeling that is consistent with the terms of the June 7 2000 memorandum of agreement between EPA and registrants of pesticide products containing chlorpyrifos.

This product may ONLY be formulated into manufacturing-use insecticide products or end-use insecticide products for the following uses. Text in square brackets (e.g., [Terrestrial Food Crop]) after each site category heading refers to the general use group as referenced in 40 CFR 158.

Agricultural Uses

Agricultural Crops [Terrestrial Food Crop, Greenhouse Food Crop] Alfalfa, apple, asparagus, banana, bean (snap, lima), beet (sugar, table, including crops grown for seed), blueberry, brassica (cole), leafy vegetables (bok choy, broccoli, broccoli raab, Brussels sprout, cabbage, Chinese cabbage, cauliflower, collard, kale, kohlrabi), caneberry, cherimoya, cherry (sour, sweet), citrus (lemon, orange, grapefruit and citrus, other), citrus orchard floor, corn (field, sweet, including crops grown for seed), cotton, cranberry, cucumber, date, feijoa, fig, grape, kiwifruit, leek, legume, vegetables, mint, nectarine, onion (dry bulb), pea, peach, peanut, pear, pepper, plum, prune, pumpkin, radish (including crops grown for seed), rutabaga, sapote, seed and pod vegetables, sorghum (grain, milo), soybean, strawberry, sugarcane, sunflower, sweet potato, tobacco, tree nuts (almond, filbert, pecan, walnut, other), turnip, wheat, and seed treatment. In addition, this product may be used to formulate products for any additional crop uses not listed on this label if the formulator, user, group, or grower has complied with U.S. EPA data submission requirements regarding the support of such uses.

Ornamentals – Commercial Production Only [Commercial Terrestrial Non-Food Crop, Commercial Greenhouse Non-Food Crop] End-use products containing directions for use in nursery operations must be restricted to wholesale nursery operations only. Wholesale nursery operations are commercial agricultural operations which do not sell or distribute directly to consumers or the general public through retail sales. The end-use products must also contain a prohibition against selling or distributing treated plants directly to consumers or the general public through retail sales. Greenhouse, outdoor (excluding any residential outdoor use), field-grown and nursery-grown ornamentals (including flowers, shrubs, evergreens, vines, shade and flowering trees, and non-bearing fruit, nut, and citrus trees) (wholesale nursery operations only), Christmas tree plantations, nurseries (wholesale nursery operations only), forest tree nurseries (wholesale nursery operations only), sod farms, perennial grass seed crops, soil treatment of potted, containerized or balled and burlapped nursery stock plants in nurseries and greenhouses only (USDA quarantine purposes only), annual and perennial plants.

Forest Trees [Forestry] Plantations, forests, seed orchards, felled trees, and cut stumps.

If the product is labeled for reformulation into products bearing labeling for agricultural uses, the label may not contain instructions permitting formulation into products registered for tomatoes. In addition, the label must contain the following statements:

This product may only be formulated for the agricultural uses listed below if the EPA approved labeling of the formulated product bears revised worker reentry intervals (REIs) of a duration no less than the following:

For all crops: 24 hours, unless specifically noted as otherwise below.

- Tree fruits (dormant/delayed dormant trunk spray or preplant dip) 4 days
- Citrus fruits 5 days
- Citrus orchard floors 5 days
- Fig 4 days
- Cauliflower 3 days

The end-use product labeling may include the following statement Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early reentry requirement pursuant to 40 CFR Part 170

Any emulsifiable concentrate (EC) end-use product formulated from the product must be labeled as a restricted use product All other end-use products formulated from the product must either be labeled as restricted use or packaged in containers no smaller than 15 gallons of a liquid formulation 50 pounds of a granular formulation or 25 pounds of any other dry formulation

Apples Only one application of any chlorpyrifos containing product can be made per year The application can be either a pre-bloom dormant/delayed dormant to the canopy or the trunk or a post-bloom application to the lower 4 feet of the trunk

Corn Maximum of 3 lb ai per acre per season and no application to popcorn

Nurseries Wholesale nursery operations are commercial agricultural operations which do not sell or distribute directly to consumers or the general public through retail sales Plants fruit vegetables or any parts of the plants fruits or vegetables treated with this product cannot be sold or distributed directly to consumers or the general public through retail sales

Soil Treatment of Potted Containerized or Balled and Burlapped Nursery Stock Plants in Nurseries Use in nurseries is permitted for USDA quarantine purposes only

Other Uses

This product may be formulated into insecticide products for other uses for which the U S EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration excluding any use strictly prohibited by this label

Experimental Uses

This product may be formulated into insecticide products for uses for experimental purposes that are in compliance with U S EPA requirements

Other Prohibited Uses

All manufacturing-use and end-use products produced from this product must bear the following statement

This product may NOT be used for formulation into manufacturing-use or end use products for the following uses

Aquatic Uses [Aquatic Food Crop, Aquatic Non-Food] Any aquatic use including mosquito larvicide

Termite Control Uses - Wood or Wood Structure Protection Treatments [Terrestrial Non-Food]

Spot and localized termiticide treatments

Important Note Because of their properties and intended uses insecticidal formulations containing this product will require precautionary labeling differing from that given Formulators should develop their own use and precautionary labeling based on the properties and intended uses of their own finished formulations and are responsible for obtaining EPA registration of these products

(Storage and Disposal for rigid containers 5 gal or less)

Storage and Disposal

Do not contaminate water food or feed by storage and disposal

Pesticide 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 Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility

Container Handling Nonrefillable container Do not reuse or refill this container

Triple rinse or pressure rinse container (or equivalent) promptly after emptying **Triple rinse** as follows Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip Fill the container 1/4 full with water and recap Shake for 10 seconds Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal Drain for 10 seconds after the flow begins to drip Repeat this procedure two more times **Pressure rinse** as follows Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal Insert pressure rinsing nozzle in the side of the container and rinse at about 40 psi for at least 30 seconds Drain for 10 seconds after the flow begins to drip Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities

(Storage and Disposal for nonrigid containers any size)

Storage and Disposal

Do not contaminate water food or feed by storage and disposal

Pesticide 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 Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility

Container Handling Nonrefillable container Do not reuse or refill this container Completely empty bag into application equipment Then offer for recycling if available or dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities

(Storage and Disposal for refillable rigid containers greater than 5 gal)

Storage and Disposal

Do not contaminate water food or feed by storage and disposal

Pesticide 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 Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility

Container Handling Refillable container Refill this container with pesticide only Do not reuse this container for any other purpose

Cleaning the container before final disposal is the responsibility of the person disposing of the container Cleaning before refilling is the responsibility of the refiller To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank Fill the container about 10% full with water and if possible spray all sides while adding water If practical agitate vigorously or recirculate water with the pump for two minutes Pour or pump rinsate into application equipment or rinsate collection system Repeat this rinsing procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities

(Storage and Disposal for nonrefillable rigid containers greater than 5 gal)

Storage and Disposal

Do not contaminate water food or feed by storage and disposal

Pesticide 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 Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures allowed by state and local authorities.

Warranty Limitations and Disclaimer

Dow AgroSciences warrants that at the time of delivery, the product will conform to its chemical description on the label, that it will pass without objection in the trade under the contract description, that seller will convey good title thereto, and that such product will be delivered free from any lawful security interest, lien or encumbrance.

This is the only warranty made on this product. TO THE EXTENT PERMITTED BY LAW, Dow AgroSciences EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND EXCEPT AS SET FORTH IN THE ABOVE PARAGRAPH, ANY OTHER EXPRESS OR IMPLIED WARRANTIES. Buyer acknowledges the use of its own independent skill and expertise in the selection and use of the product and does not rely on any oral or written statements or representations.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

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

EPA Reg. No. 62719-352

EPA Est. _____

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**Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268**

Net Weight _____

EPA accepted ___/___/___