

62719-364

7/20/2012

1 of 6

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® 20 MEC Microencapsulated Insecticidal Concentrate
EPA Registration No 62719 364
EPA Decision No 465836
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[®] 20 MEC Microencapsulated Insecticidal Concentrate

Insecticide

For Manufacturing Use Only

Active Ingredient	
chlorpyrifos O O diethyl O (3 5 6 trichloro 2 pyridinyl) phosphorothioate	20%
Other Ingredients	80%
Total	100%

ACCEPTED
JUL 20 2012
Under the Federal Insecticide Fungicide,
and Rodenticide Act as amended, for the
pesticide registered under

EPA Reg No 62719-364

Contains petroleum distillate

Precautionary Statements

Hazards to Humans and Domestic Animals

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 Contains petroleum distillate – vomiting may cause aspiration pneumonia

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 broccoli 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 distributed 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

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 Do not store above 122°F or below 32°F Storage below 32°F may result in solidification If warmed to 32 F product will return to original form Freezing does not adversely affect this product

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 refillable rigid containers greater than 5 gal)

Storage and Disposal

Do not contaminate water food or feed by storage and disposal

Pesticide Storage Do not store above 122°F or below 32°F Storage below 32°F may result in solidification If warmed to 32 F product will return to original form Freezing does not adversely affect this product

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 Do not store above 122°F or below 32°F. Storage below 32°F may result in solidification. If warmed to 32 F product will return to original form. Freezing does not adversely affect this product.

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. 62719-364

EPA Est. _____

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

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60 of 60

Page 5

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Net Contents _____