

62719-68

10/23/2000

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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: Dursban 50W [REDACTED]
EPA Reg No.: 62719-68
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:

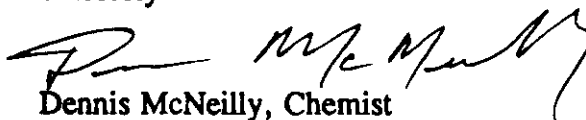
- 1) On pages one and five, add the following after "protective eyewear": "(goggles, face shield, or safety glasses with front, brow, and temple protection)".
- 2) Delete the word "porches" on page 8 of the label that list use sites at Industrial Plants. Porches are normally associated with residential structures rather than "Industrial Plant Sites" and this listing listing could be confusing.
- 3) Delete the statement; "To be applied only by commercial applicators responsible for insect control programs, or persons under their direct supervision." This statement is no longer required as this product is now labeled as Restricted Use.

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 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.

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Sincerely



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

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(Base Label):

RESTRICTED USE PESTICIDE
For use only by commercial applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

(Logo) Dow AgroSciences LLC

Dursban* 50W

To be applied only by commercial applicators responsible for insect control programs, or persons under their direct supervision.

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.

62719-68

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 Inhaled Or Absorbed Through Skin

Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust and spray mist. 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 thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs, and water supplies.

First Aid

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

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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 is present, 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. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Refer to label booklet for additional precautionary information 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.

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

EPA Reg. No. 62719-68

EPA Est. 464-MI-1

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

Specialty Insecticide

Net Contents __ lb

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(Datapack Cover):

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

Dursban* 50W

To be applied only by commercial applicators responsible for insect control programs, or persons under their direct supervision.

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.)

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Specialty Insecticide

Net Contents __ lb

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(Page 1 through end):

(datapack, page 1):

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Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

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

Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust and spray mist. 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 thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs, and water supplies.

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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 is present, 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. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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 through any type of irrigation system.

Do not formulate this product into other end-use products.

This product may not be used on farms, forests, nurseries and greenhouses which produce plants, plant materials or seed for sale, other commercial use, or for research purposes.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Storage: Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 122°F. 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 fiber can by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of containers in a sanitary landfill or by incineration if allowed by state and local authorities.

General Information

Dursban* 50W Insecticide is a wettable powder formulation designed for use as a spray to control various listed pests. The pests controlled are listed in the accompanying tables. Dursban 50W is compatible with insecticides, miticides, and fungicides commonly recommended except for alkaline materials such as Bordeaux mixture and lime. A small amount of spray mixture should be prepared to check for compatibility before a large volume of spray is mixed.

Safe Handling Procedures for Applicators: When exposure to spray mist is likely to occur, wear protective equipment and clothing (eye protection, long-sleeved coveralls, and waterproof gloves) to prevent exposure of eyes and skin. To prevent breathing of spray mist during application in confined areas, wear a respiratory protection device (MSHA/NIOSH approved number TC-21C).

Attention: Do not allow public access to treated areas until spray has dried. Keep out of fishpools and other bodies of water. Do not treat vegetable gardens. Do not allow livestock to graze in treated areas. Do not feed treated grass cuttings (hay) or seed screenings to livestock nor use hay for livestock bedding. Do not use in poultry houses.

Mixing Directions

Dursban 50W mixes readily with water to form a suspension. Mix the required amount of Dursban 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 uniform suspension of the Dursban 50W in the spray mixture. Dursban 50W contains a wetting agent. Do not use additional wetting agents, spreaders, or stickers.

Approved Uses

Turf in Golf Courses, Road Medians and Industrial Plant Sites (Maximum Use Rate of 2 lb (1 lb a.i.)/Acre)

Use Dursban 50W to control pests infesting turf in golf courses, road medians and industrial sites listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute Dursban 50W in enough water to obtain complete and uniform coverage of pest-infested areas and apply as a coarse, low-pressure spray using suitable application equipment. For best results, the turf should be moist at time of treatment. Spray when pests first appear; retreat when needed, but not more often than once every 7 days.

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Pest†	Amount of Dursban 50W per:		Specific Directions
	1000 sq ft	Acre	
ants (including foraging fire ants) armyworms (beet) (fall) (yellowstriped) centipedes chiggers ¹ chinch bugs clover mites cutworms crickets earwigs fiery skipper Fire ants (mounds) ⁴ fleas gnats grasshoppers greenbugs June beetles leafhoppers Lucerne moths millipedes mites (clover) (Bermuda grass stunt) (winter grain) mosquitoes ² pillbugs sod webworm ³ (lawn moths) sowbugs springtails ticks ¹	3/4 oz	2 lb	1. Use Dursban 50W for area control of ticks and chiggers infesting golf courses, road medians, and industrial plant sites where these pests are present and create a nuisance or a possible public health problem. Do not allow public use of treated areas during application or until spray has dried. Apply Dursban 50W in water at the rate of 1/2 lb/acre (equivalent to 1/2 oz per 2,700 sq ft) using a hydraulic sprayer, mist applicator, knapsack sprayer, or other suitable hand- or power-operated spray equipment. Treat low underbrush, grassy areas, weeds, ground surfaces and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre. 2. Mosquitoes coming to rest on areas treated for control of turf pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions. 3. For best results in controlling sod webworms , delay watering or mowing the treated area for 12 to 24 hours after treatment. 4. For individual Fire ant mounds, apply Dursban 50W at a rate of 1.5 oz per each 2 gallons of water. Gently sprinkle 1 to 2 gallons of dilution over the surface of each mound. Avoid disturbing mounds and treat new mounds as they appear.
bluegrass billbugs ¹	3/4 - 3 oz	2 lb	1. For bluegrass billbugs , spray early in the season when adults first appear. Retreat as needed.

†Superscripts refer to "Specific Directions".

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Pest Control on Outside Surfaces of and Around Buildings (Industrial Plant Sites Only)

Apply Dursban 50W by application as a residual spray to outside surfaces of buildings including porches, window frames, eaves, patios, garages, refuse dumps, and other areas where pests congregate or have been seen.

Repeat treatment as needed to maintain effectiveness. Avoid application to surfaces where visible residues are objectionable.

Pest†	Amount of Dursban 50W in Water to Make:			Specific Directions
	1 gal	10 gal	50 gal	
ants				1. To help prevent infestation of buildings, treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 4 to 16 ounces (one to four 4 oz packets) of Dursban 50W per 50 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1,000 sq ft to thoroughly and uniformly wet the band area. 2. For scorpions , remove accumulations of lumber and other materials which serve as harborage sites. Dursban 50W may be applied as a residual spray to surfaces immediately below such materials. Perimeter treatments may reduce pest immigration from surrounding areas.
bees				
boxelder bugs				
carpenter ants				
clover mites				
cockroaches				
crickets				
earwigs				
elm leaf beetles (adults)				
firebrats				
fleas				
flies				
hornets				
millipedes				
mosquitoes				
pillbugs				
scorpions ²				
silverfish				
sowbugs				
spiders				
springtails				
symphylans				
ticks				
wasps				
yellowjackets				

†Superscripts refer to "Specific Directions".

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. Plant 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 temperature, 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

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: ___/___/___

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Dursban* 50W

Insecticide

EPA Reg. No. 62719-68

Registration Notes:

Source label text based on EPA accepted text dated 02-03-99.

Proposed Changes by Amendment per EPA Memorandum of Agreement Dated June 7, 2000:

1. Added "Restricted Use Pesticide" designation per MOA paragraph 8 (D)(iii).
The Restricted Use Pesticide designation is required if this product is marketed in a package size less than 25 lb.
2. Deleted all residential uses and non-agricultural (non-crop) uses other than treatment of turf in golf courses, road medians, and industrial plant sites with a maximum use rate of 1 quart (1 lb a.i.)/acre and treatment of outside surfaces and around buildings (industrial sites only).

06Oct00 – Change made to the proposed label in response to a letter dated August 10, 2000 from Dennis McNeilly, EPA:

1. Specified that this product is a Restricted Use Pesticide (due to product package size) per MOA paragraph 8(C)(i).

Additional changes to proposed label:

2. Removed the listings of Personal Protective Equipment (PPE), User Safety Recommendations, and Agricultural Use Requirements from the Table of Contents since these sections are not part of this label.

[Editor's note: Added text is underlined and deleted text is denoted by strike-through.]

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