

PM-19

) Reg # 62719 - 90,

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JUN 27 1995

Mr. John R. Fitt
DowElanco
9330 Zionsville Road
Indianapolis, Indiana 46268-1054

Subject: Revised Labeling
Dursban ME02
EPA Registration Number 62719-90
Your Application Dated September 23, 1994

Dear Mr. Fitt:

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

Delete the claims, "Lasts up to 90 Days (3 months)," "Long Lasting - Up to 90 Days (3 months)," "Weather Resistant," "UV (Ultraviolet) Light Resistant," and "Humidity Resistant."

(You have submitted data to support these claims. We will notify you when our review of the data has been completed.)

Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

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Dursban* ME02

EPA Reg. No. 62719-90

Label Amendment

Current label text based on EPA-accepted copy dated 10/13/93.

Amendments:

1. Addition of alternative statements to sale copy.
2. Moved product type description (Microencapsulated Insecticide) to bottom of front panel.
3. Added "Read all directions carefully before applying this product." statement to beginning of directions of use section.
4. General Information: Added section of product characteristics.
5. General Pest Control Indoors: (1) Minor editing throughout; (2) Revised section on cockroach control (3) Revised section on flea control.
6. General Pest Control Outdoors: Added specific directions for control of fire ants.
7. Added Editor's Note option for supplying Directions for Use for trigger sprayer if supplied with product.
8. Revised wetlands statement in Environmental Hazards section in accordance with PR Notices 93-3 & 93-8.

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

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUN 27 1995

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

62719-90

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

(Product Label)

Dursban* ME02

Controls Numerous Pests In and Around Households and Other Structures

Lasts up to 90 Days (3 months)

and/or

Long Lasting - Up to 90 Days (3 months)

and/or

Kills Roaches, Fleas, Ants, Spiders, Ticks, Crickets, and many other insect pests

and/or

Use Indoors and Outdoors

and/or

Weather Resistant

and/or

Water Based

and/or

and/or

Non-Staining

Controls Insects When Spray Has Dried

and/or

and/or

Low ~~Odor~~ Odor

Microcapsules Activate When Spray Dries

and/or

and/or

Microencapsulated

Microcapsules Work When Spray has Dried

and/or

and/or

Time Released

Time Released Activity

and/or

and/or

UV (Ultraviolet) Light Resistant

Shake Well Before Use

and/or

and/or

Humidity Resistant

Shake Well Before Using

and/or

and/or

Contains Microencapsulated Dursban

Shake Frequently During Use

and/or

Dursban is a Trademark of DowElanco

Active Ingredient (s):

| | |
|--|---------------|
| chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate | 0.2% |
| Inert Ingredients | 99.8% |
| <u>Total</u> | <u>100.0%</u> |

Keep Out of Reach of Children

CAUTION

ACCEPTED
with COMMENTS
in EPA Letter Dated

Refer to back/side panel for additional precautionary information.

JUN 27 1995

EPA Reg. No. 62719-90

EPA Est. No. _____ (Subregistrant)

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

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62719-90

DowElanco • Indianapolis, Indiana 46268 U.S.A.

Microencapsulated Insecticide

Net Contents _____

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Precautionary Statements

Hazards to Humans and Domestic Animals
Keep Out of Reach of Children

CAUTION

May Be Harmful If Swallowed • Harmful If Absorbed Through The Skin

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

First Aid:

If Swallowed: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person.

If On Skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

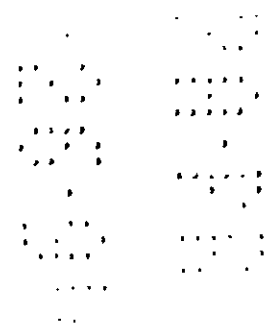
If In Eyes: Flush with plenty of water for 5 minutes. Get medical attention if irritation persists.

If Inhaled: Remove to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.

Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. 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. Do not apply directly to water, or 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. Do not contaminate water by cleaning of equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters.



DIRECTIONS FOR USE

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

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 or fertilizers. Do not store above 122°F for extended periods of time. Preferred storage is above 32°F. Storage below 32°F may result in solidification. If warmed to above 32°F, product will return to original form. Freezing does not adversely affect this product. 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 may be disposed of on site according to labeled uses or at an approved waste disposal facility.

Container Disposal: Do not reuse empty container. Wrap empty container in heavy paper, e.g. newspaper, and place in trash.

General Information

Shake Well Before Use / Shake Well Before Using

~~Dursban® ME02 insecticide is a flowable microencapsulated concentrate designed for use as a residual spray to control various pests in and around residential and non-residential structures designed to effectively control insect pests in and around structures (homes).~~ Dursban ME02 may be sprayed on any surface which will not be damaged or stained by water. A visible deposit may appear on some hard surfaces. This deposit can be easily removed with a cloth or damp sponge. Always spot test for color fastness of surfaces prior to making a full treatment.

Dursban ME02 has the following important characteristics:

Microencapsulation: Dursban ME02 consists of many microscopic capsules that contain the active ingredient. The microcapsules release the active ingredient slowly and steadily, so that Dursban ME02 provides consistent, lasting protection against insect pests.

Initial Results Take Time: As Dursban ME02 dries, the active ingredient is gradually released from the microcapsule. The microcapsules may adhere to the insect. The insect dies either through contact with the insecticide or through ingestion. Because the active ingredient is released slowly, maximum effectiveness may not be observed immediately.

Minimal Odor: Microencapsulation of the active ingredient reduces the odor of this product. Although you may notice little or no odor after application, please be assured that the product is active, effective, and long lasting.

Frequent Agitation is Recommended During Application: The microcapsules will gradually settle to the bottom of the container. **SHAKE WELL BEFORE USING and CONTINUE TO SHAKE WELL AT FREQUENT INTERVALS DURING APPLICATION.**

Do not apply this product to conduits, motor housings, junction and switch boxes, or other electrical equipment because of possible shock hazard.

Attention: Do not allow spray to contact food or food-contacting surfaces, feedstuffs, or water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product. Remove pets and cover fish bowls (tanks) before spraying. Do not use in fogging equipment to apply the product indoors. Do not allow adults, children, people or pets on treated areas until spray has dried. Keep out of fish ponds or other bodies of water. Do not treat vegetable gardens. ~~Do not use in poultry houses.~~

General Pest Control Indoors

Directions for Use: Dursban ME02 may be applied within ~~residential and non-residential buildings or structures (homes)~~ and within nonfood areas of industrial, institutional, and commercial buildings, including hospitals, stores, manufacturing plants, and warehouses. Apply as a localized spray to areas where insects are found or normally occur. Such areas include but are not limited to dark corners of rooms and closets; floor drains; cracks and crevices in walls; along and behind sinks, stoves, refrigerators, and cabinets, and around plumbing and other utility installations. A period of 4 to 7 days is normally required to observe maximum effectiveness on insect populations; therefore, limit retreatment to no more often than once per every 7 days. Apply spray solution in such a manner as to minimize spray contact with non-target surfaces.

Indoor Pests Controlled With Dursban ME02:

Ants (including foraging ants) (1)

Brown dog ticks (2)

Carpet beetles (3)

Centipedes

Clover mites

Cockroaches (Such as: American, Brownbanded, German, Oriental, Smokey brown, Asian) (4)

Crickets

Earwigs

Firebrats

Fleas (5)

Flour Beetles (Confused, Red, Saw-toothed)

Indian meal moths

Mediterranean flour moths

Millipedes

Rice weevils

Silverfish

Sowbugs

Spiders

†Numbers in parentheses refer to Specific Directions

Specific Indoor Directions

- 1) **Ants** may be controlled by treating nests, ant trails, and wherever else these pests may find entrance. ~~For example, around doors and windows.~~
- 2) **Brown dog ticks** may be controlled by applying spray to infested areas and nearby cracks and crevices and along baseboards, windows and door frames where these pests may be present. For best results, old bedding should be cleaned or replaced. Do not treat pets or their bedding with this product.
- 3) **Carpet beetles** may be controlled by thoroughly applying the spray as a spot treatment along baseboards and edges of carpeting; under carpeting, rugs and furniture; in closets and on shelving. ~~Spots are defined as areas not to exceed two square feet. Two spots cannot be connected.~~
- 4) ~~Cockroaches are best controlled by making crack and crevice or spot treatment. Treat where insects are found or normally occur including, but not limited to, dark corners of rooms and closets; floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, refrigerator units and cabinets; and around plumbing and other utility installations. Crack and crevice treatments are applied by delivering a pin stream or small amounts of solution directly into cracks or voids. Spot treatments are defined as areas not to exceed two square feet. Two spots cannot be connected. Limit spot application to less than 20% of the lower wall and floor surface.~~

4) Cockroaches are best controlled by spot treating where insects are found or normally occur including, but not limited to, corners of rooms and closets; floor drains; cracks and crevices in walls; beneath and behind sinks, stoves, refrigerators, refrigerator units and cabinets; and around plumbing and other utility installations.

5) Fleas are best controlled by a total management program. It is suggested that infested areas be thoroughly vacuumed prior to treatment. These areas include all carpet, upholstered furniture, baseboards and other indoor areas frequented by pets. The vacuum cleaner bag should be discarded in an outdoor trash container. Pet bedding should be removed and cleaned or replaced. ~~Other than the applicator, premises should be vacated during application. Cover aquaria and fish bowls and remove other pets. Do not permit humans or pets to contact treated areas until spray has thoroughly dried.~~

Spot treat pet's sleeping quarters, along baseboards, windows, door frames, cracks and crevices, carpets, rugs and floors where these pests hide. Treatments are limited to spot applications. Individual spots are not to exceed 2 square feet. Two spots may not be connected. 1 gallon of spray will cover 1,600 square feet. Adjust the application rate to provide uniform coverage without soaking the treated areas. If fleas reappear in about within 1-2 weeks after treatment it is probably because they have hatched from their pupal (cocoon) stage. If this occurs, either repeat treatment or allow the product's time-release time-released microcapsules another week to kill newly emerged fleas. Do not treat pets or pet bedding with this product.

Effective flea control includes controlling the source of flea infestations. This can require treatment of pets with a product registered for flea control and treating outside areas frequented by pets. Dursban ME02 can also be applied out-of-doors for flea control.

General Pest Control Outdoors

Use Dursban ME02 to control outdoor pests listed in the accompanying table by application as either a perimeter treatment or as a localized spray.

Perimeter treatments help prevent infestation of insect entrance into buildings. When making perimeter treatments, apply Dursban ME02 where pests are active or may find entrance. For example, treat a band of soil 6 to 10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2 to 3 feet. Apply as a coarse spray at the rate of about 1 gallon of spray per 100 sq. ft. Thoroughly and uniformly wet the band area.

Localized sprays provide control of insect pests on outside surfaces of buildings and other outdoor areas where pests congregate. Treat by applying the dilution directly to target areas such as cracks and crevices; along sidewalks or patios; windows and door frames; or other areas where pests may be present or are likely to enter the structure.

Outdoor Pests Controlled by Dursban ME02:

- | | |
|--------------------------------|---------------|
| Ants (including fire ants) (1) | Hornets |
| Bees | Millipedes |
| Beetles | Mosquitoes |
| Carpenter ants | Scorpions (2) |
| Carpenter bees | Silverfish |
| Clover mites | Sowbugs |
| Cockroaches | Spiders |
| Crickets | Ticks |
| Earwigs | Wasps |
| Fleas | Yellowjackets |
| Flies | |

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(1) Gently spray Dursban ME02 on individual fire ant mounds. Adjust volume to completely treat the mound and avoid unnecessary runoff. Allow 7 to 10 days to achieve maximum effectiveness. Dursban ME02 can control fire ants in excess of 30 days.

(2) For Scorpions remove accumulations of lumber, firewood, and other materials which serve as harborage sites. Before stacking firewood or lumber, apply Dursban ME02 to surfaces immediately below such materials. Perimeter treatments may also be helpful in reducing pests immigrating from surrounding areas.

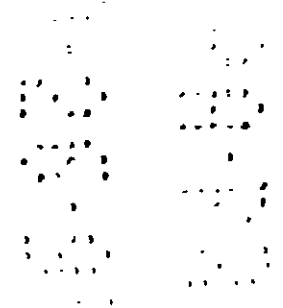
Trigger Sprayer Directions for Use:

[Editor's note: If this product is packaged and sold with a trigger sprayer, the subregistrant may include "Trigger Sprayer Directions for Use".]

WARRANTY INFORMATION

(Subregistrant may include appropriate statements to address Warranty Disclaimer, Inherent Risks of Use or Limitation of Remedies pertaining to use of this product.)

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