



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
**238761**

**Application for Pesticide - Section I**

1. Company/Product Number DowElanco/62719-90	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DowElanco/Dursban ME02	PM# 19	
5. Name and Address of Applicant (Include ZIP Code)  DowElanco 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
 "With Country Fresh Fragrance" added.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt	No. per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name John R. Fitt	Title Product Registration Manager	Telephone No. (Include Area Code) 317-337-4654
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  (Stamped)
2. Signature 	3. Title Product Registration Manager	
4. Typed Name John R. Fitt	5. Date October 9, 1995	

# Dursban\* ME02

EPA Reg. No. 62719-90

**Final Printed Labeling:** Label text based on EPA-accepted copy dated 06/27/95 and EPA correspondence dated 07/26/95.

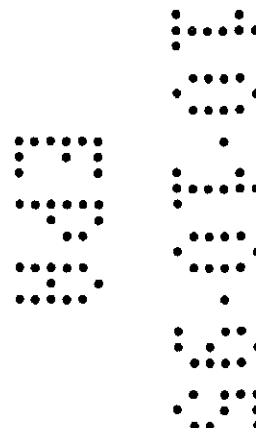
**Other:** The claims "Weather Resistant" and "UV (Ultraviolet) Light Resistant" were not addressed by the submitted studies and remain unacceptable per EPA correspondence dated 06/27/95.

**Amendments EPA-Accepted 06/27/95:**

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.

**Note:** The following optional text added for use with alternate formulation: "With Country Fresh Fragrance" and was EPA-accepted 10/13/93.

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(Product Label)

# Dursban\* ME02

**Controls Numerous Pests In and Around Households and Other Structures**

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

and/or

**Use Indoors and Outdoors**

and/or

**Non-Staining**

and/or

**Virtually Odorless**

and/or

**Microencapsulated**

and/or

**Time Released**

and/or

**Contains Microencapsulated Dursban**

and/or

**Dursban is a Trademark of DowElanco**

and/or

**Water Based**

and/or

**Controls Insects When Spray Has Dried**

and/or

**Microcapsules Activate When Spray Dries**

and/or

**Microcapsules Work When Spray has Dried**

and/or

**Time Released Activity**

and/or

**Shake Well Before Use**

and/or

**Shake Well Before Using**

and/or

**Shake Frequently During Use**

Active Ingredient (s):

chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl)

phosphorothioate..... 0.2%

Inert Ingredients..... 99.8%

Total..... 100.0%

[Editor's note: The following line of text is to be inserted for the alternate formulation of Dursban ME02 containing fragrance.]

With Country Fresh Fragrance

**Keep Out of Reach of Children**

## CAUTION

Refer to back/side panel for additional precautionary information.

EPA Reg. No. 62719-90

EPA Est. No. \_\_\_\_\_ (Subregistrant)

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

**Microencapsulated Insecticide**

**Net Contents: \$: \_\_\_\_\_**



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## Precautionary Statements

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### 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.

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## Directions for Use

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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.

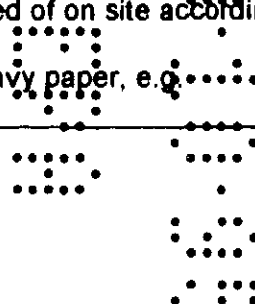
### Storage and Disposal

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 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 tanks before spraying. Do not use in fogging equipment to apply the product indoors. Do not allow 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.

## General Pest Control Indoors

**Directions for Use:** Dursban ME02 may be applied within 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 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 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)

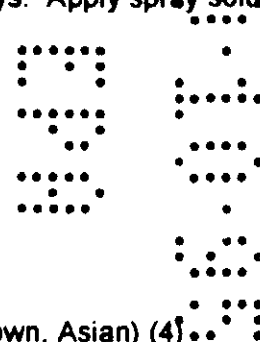
Brown dog ticks (2)

Carpet beetles (3)

Centipedes

Clover mites

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



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- 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, trails, and wherever else these pests may find entrance.
- 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.
- 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.**

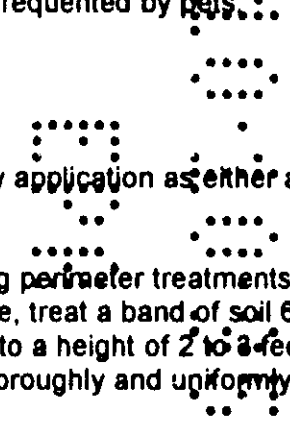
Spot treat pet's sleeping quarters, along baseboards, windows, door frames, cracks and crevices, carpets, rugs, and floors where these pests hide. If fleas reappear within 1-2 weeks after treatment, either repeat treatment or allow the product's time-released microcapsules another week to kill newly 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 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.



9.3.7

**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	

- (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:**

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**Warranty Information**

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(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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EPA-Accepted 06/27/95

