

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

May 27, 2010

Kenneth D. Racke  
Dow AgroSciences, LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

Dear Dr. Racke,

Subject: Notification of Alternate Brand Names per Pesticide Registration Notice 98-10

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10, dated March 27, 2010, for the product "Dursban F Insecticidal Chemical," EPA Registration Number 62719-353.

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The information submitted with the application has been stamped "Notification" and will be placed in our records. The alternate brand name "Dursban FM Insecticidal Chemical" has been added to the record.

If you have any questions, please contact me directly at 703-308-8735 or email me at [chao.julie@epa.gov](mailto:chao.julie@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Julie A. Chao".

Julie A. Chao  
Insecticide-Rodenticide Branch  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number Dow AgroSciences LLC/62719-353	2. EPA Product Manager Venus Eagle	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences LLC/Dursban F Insecticidal Chemical	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 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 _____	<b>NOTIFICATION</b>  <b>MAY 27 2010</b>
<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.)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:			
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	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> 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"/>
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph Paper glued 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 Kenneth D. Racke, Ph.D.	Title Regulatory Manager	Telephone No. (Include Area Code) (317) 337-4654 (fax: 317-337-4649)
<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 <b>(Stamped)</b>
2. Signature	3. Title Regulatory Manager	
4. Typed Name Kenneth D. Racke, Ph.D. (kdracke@dow.com)	5. Date May 27, 2010	

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Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054



308/2E  
March 27, 2010

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U. S. Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

DURSBAN F INSECTICIDAL CHEMICAL (A.I. CHLORPYRIFOS)  
EPA REGISTRATION NUMBER: 62719-353  
NOTIFICATION OF ALTERNATE BRAND NAME PER PR NOTICE 98-10

Enclosed please find labeling for the notification action of Dursban® F Insecticidal Chemical. The following change has been made by notification:

1. Added alternate brand name of Dursban FM. This alternate brand name notification is a duplicate of the same notification action submitted to the EPA on September 27, 2000, a copy of which has been supplied to the EPA on May 26, 2010 and also included as a complimentary copy in this submission. EPA is requiring DAS to submit this duplicate action in order to allow a shipment of product to enter into the country through Region VI.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Contents of Submission**

- Transmittal document (this letter)
- Application for Pesticide, EPA Form 8570-1
- Label entitled Dursban FM (A1A/Dursban FM/ABN Notif/05-27-10) (5 Pages plus Registration Notes) (1 Copy)
- Complimentary copy of alternate brand name notification dated September 27, 2000

If you require further information, please contact Cindy Loy, Regulatory Specialist at (317) 337-4655.

Sincerely,

A handwritten signature in black ink that reads "Cindy Loy".

Kenneth D. Racke, Ph.D.  
Regulatory Leader  
(317) 337-4654  
(317) 337-4649 (FAX)

Enclosures

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# Dursban<sup>®</sup> FM Insecticidal Chemical

## Insecticide

### For Manufacturing Use Only

#### Active Ingredient:

chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate.....	97%
Other Ingredients .....	3%
Total .....	100%

**NOTIFICATION**

**MAY 27 2010**

## WARNING

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### Precautionary Statements

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#### Hazards to Humans and Domestic Animals

#### May Be Fatal If Swallowed Or Inhaled

**Do not breathe dust. Handle chemical in a ventilated area. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.**

#### First Aid

##### Organophosphate

**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.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**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.

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 further guidance, contact your state water board or regional office of the EPA.

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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. 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]:** Greenhouse, outdoor (excluding any residential outdoor use), field grown and nursery grown ornamentals (including, but not limited to flowers, shrubs, evergreens, vines, shade and flowering trees, and non-bearing fruit, nut, and citrus trees); Christmas tree plantations, nurseries, forest tree nurseries, sod farms, perennial grass seed crops, soil treatment of potted, containerized or balled and burlapped nursery stock plants in nurseries and greenhouses 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

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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.

**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 Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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.

**(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 Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

**(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 Reuse:** 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.

**(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 Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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.

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**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. 62719-353

EPA Est. \_\_\_\_\_

®Trademark of Dow AgroSciences LLC

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

**Net Weight** \_\_\_\_\_

EPA accepted 11/02/07