

68156-6

9-4-2007

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Steve A. McMaster
Regulatory Manager
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

SEP 4 2007

RE: Ipimethalin-L
EPA Registration Number: 68156-6
Date of Submission: June 26, 2007

Dear Mr. McMaster:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated June 26, 2007, for the product Ipimethalin-L. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number Dintec Agrichemicals/68156-6	2. EPA Product Manager James A. Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dintec Agrichemicals/pimethalin-L	PM# 25	
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"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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NOTIFICATION
SEP - 4 2007

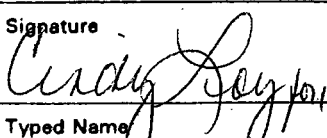
Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Change by notification: 1. Specific Use Restrictions: Deleted "bearing citrus fruit and" from first bullet point - "Preharvest Interval: Do not apply within 60 days of harvest for bearing citrus fruit and tree nuts except for almond." This is contradictory to the third bullet point required by the EPA to be on this label - "Preharvest Interval: Do not apply within 1 day of harvest of citrus fruit."

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		<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 <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 Steve McMaster	Title Regulatory Manager	Telephone No. (Include Area Code) (317) 337-4670 (fax: 317-337-4649)
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 Regulatory Manager	
4. Typed Name Steve McMaster (samcmaster@dow.com)	5. Date June 26, 2007	

Ipimethalin-L

EPA Reg. No. 68156-6

Registration Notes:

Source Section 3 supplemental labeling text based on EPA-accepted copy dated March 27, 2007.

Change by notification:

1. Specific Use Restrictions: Deleted "bearing citrus fruit and" from first bullet point – "Preharvest Interval: Do not apply within 60 days of harvest for bearing citrus fruit and tree nuts except for almond." This is contradictory to the third bullet point required by the EPA to be on this label – "Preharvest Interval: Do not apply within 1 day of harvest of citrus fruit."

RECEIVED
MAY 15 2007
U.S. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

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NOTIFICATION

SEP - 4 2007

Supplemental Labeling

Dintec Agrichemicals 9330 Zionsville Road Indianapolis, IN 46268-1054 USA

Ipimethalin-L

EPA Reg. No. 68156-6

Weed Control in Bearing Citrus and Tree Nuts

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

Directions for Use

Refer to product label for Ipimethalin-L for General Information, General Use Precautions, Mixing and Application instructions.

Apply Ipimethalin-L to the following bearing citrus fruits and tree nuts crop groupings and individual crops:

Citrus		Tree Nuts	
calamondin	lime	almond	filbert (hazelnut)
citrus citron	mandarin (tangerine)	beech nut	hickory nut
citrus hybrids	orange (sweet and sour)	Brazil nut	macadamia nut
grapefruit	pummelo	butternut	pecan
kumquat	satsuma mandarin	cashew	pistachio
lemon	tangelo	chestnut	walnut
		chinquapin	

Non-Target Species

The following mitigation measures are required if non-target plants occur in proximity to the application site:

- Leave untreated buffer zone of 80 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles.

Endangered Species

The following mitigation measures are required if endangered species occur in proximity to the application site:

- Leave an untreated buffer zone of 200 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles.

To determine whether your county has an endangered species, consult the web site <http://www.epa.gov/espp/usa-map.htm>. Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

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Weeds Controlled

In addition to controlling the weeds listed on the product label for Ipimethalin-L, this product (when applied as directed) will control the following grass and broadleaf weeds in bearing citrus and tree nuts:

Grass Weeds

bluegrass, annual	lovegrass	sprangletop
jungle rice	panicum, browntop	woolly cupgrass

Broadleaf Weeds

carpetweed	knotweed, prostrate	shepherd's purse
chickweed, common	London rocket	smartweed, Pennsylvania
fiddleneck	puncturevine	velvetleaf
henbit		

Use Methods and Timings

Ground Application: Uniformly apply as a surface incorporated or (surface) preemergence application before weed emergence using ground equipment. Make a single application of Ipimethalin-L as a broadcast or banded treatment in 10 to 40 gallons of water per acre. **Do not** apply over the top of trees with leaves, buds or fruit.

Chemigation Application: Apply Ipimethalin-L through solid set, hand move, low volume sprinkler (micro sprinkler), drip (trickle) and flooded basin irrigation systems. Uniform distribution of irrigation water with Ipimethalin-L will help to avoid crop injury, lack of herbicide effectiveness or illegal pesticide residues in the crop. See Chemigation section on the product label for complete directions. **Do not** apply this product to bearing citrus and tree nuts through any other type of irrigation system. **Do not** apply irrigation water treated with Ipimethalin L over the top of trees with leaves, buds, or fruit.

Low Volume Sprinkler (Micro Sprinkler) and Drip (Trickle) Irrigation Instructions: Use a low volume sprinkler, 4 to 50 gallons per hour (gph) per emitter, drip 0.5 to 3 gph per emitter. The point of application should be above ground. The irrigation system should run a sufficient amount of time before injecting Ipimethalin-L in order to have all emitters functioning properly. After the system is operating properly, the length of injection should be such that, at one period of time during the injection, the first and last emitters in the system contain water treated with Ipimethalin-L. Add Ipimethalin-L to the supply tank that is already filled with the required amount of water for the injection period. Maintain proper agitation in the injection tank. Mix Ipimethalin-L in clean water and inject this mixture down-line from filters. Following the injection, the system should be flushed for a period of time sufficient to clear the line of Ipimethalin-L. (If Ipimethalin-L is applied during a normal irrigation cycle, injection should be made during the last stage.)

Chemigation Calibration (for Low Volume Micro Sprinklers): The use rate calculation is based upon **wetted area** around emitters, **not** on tree acres. To determine the correct amount of Ipimethalin-L, use the following formula:

1. A = treated area per each sprinkler
A = 3.14 x (radius x radius) (area of a circle is πr^2).
 2. B = the area in square feet wetted in each acre
B = A x (number of sprinklers/acre)
 3. C = the total area (in sq ft) wetted by the system
C = B x (acres covered by system)
 4. R = rate of Ipimethalin-L per treated acre (based upon length of control desired)
S = amount of Ipimethalin-L to inject into the irrigation system
- $$S = \frac{C \times R}{43,560} = \text{quarts of Ipimethalin-L to inject into the irrigation system}$$

Example: If the average distance from sprinklers to the perimeter of wetted area measured on the soil surface is 4 ft, then,

$$A = 3.14 \times (4 \times 4)$$

$$A = 50.24 \text{ feet}$$

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If there are 140 sprinklers per acre, then,

$$B = 50.24 \times 140$$

$$B = 7034 \text{ sq ft wetted per acre}$$

If the irrigation system covers 20 acres, then,

$$C = 7034 \text{ sq ft per acre} \times 20 \text{ acres}$$

$$C = 140,680 \text{ sq ft wetted by irrigation system}$$

If the desired application rate per treated acre is 4 quarts of Ipimethalin-L, then,

$$S = \frac{140,680}{4} \times 4 = 12.9 \text{ quarts to treat the above 20-acre grove}$$

$$S = 43,560$$

S = 12.9 quarts of Ipimethalin-L. This amount of Ipimethalin-L should be injected into the irrigation system when the wetted pattern is 4 ft radius and based upon 140 trees per acre.

Flooded Basin Irrigation System Precautions:

- Recirculate tail water or runoff water from flood irrigation and contain it in the field of initial application or use it only on adjacent tree or vine crops for which Ipimethalin-L is registered for use.
- The pesticide in the water of systems using a gravity-flow pesticide-dispensing system must be metered at the head of the field downstream of a hydraulic discontinuity (e.g., drop structure, weir box) to decrease the potential for water source contamination from backflow water.

Application Rates in Bearing Citrus and Tree Nuts

Use the recommended rates for Ipimethalin-L given in the following table depending upon the desired length of control.

Length of Control	Ipimethalin-L (quart/acre)
Short-term control (4 months)	2.3
Long-term control (6 to 8 months)	4.6

Specific Use Restrictions:

- **Preharvest Interval: Do not** apply within 60 days of harvest for tree nuts except for almond.
- **Preharvest Interval: Do not** apply within 120 days of harvest for almond.
- **Preharvest Interval: Do not** apply within 1 day of harvest of citrus fruit.
- Apply the spray directly to the ground under the trees and/or in areas between the rows. **Do not** apply over the top of the trees with leaves, buds, or fruit. Contact with leaves, shoots or buds by the spray mixture may cause injury.
- **Do not** apply by air to bearing citrus and tree nuts.
- **Do not** apply more than 6.9 quarts per acre per year.
- **Do not** feed forage or graze livestock in treated groves or orchards.
- **Do not** apply this product to bearing citrus and tree nuts through any other type of irrigation system.

R130-011
EPA accepted: 03/27/07
Replaces R130-004.

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308/2E
June 26, 2007

9330 Zionsville Road
Indianapolis, IN 46268-1054
317-337-7870
317-337-7878 FAX

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

IPIMETHALIN-L (A.I. PENDIMETHALIN)
EPA REGISTRATION NUMBER: 68156-6
NOTIFICATION OF MINOR LABEL CHANGE PER PR NOTICE 98-10

Enclosed please find supplemental labeling for the notification action of Ipimethalin-L herbicide. The following change has been made by notification:

1. Specific Use Restrictions: Deleted "bearing citrus fruit and" from first bullet point - "Preharvest Interval: Do not apply within 60 days of harvest for bearing citrus fruit and tree nuts except for almond." This is contradictory to the third bullet point required by the EPA to be on this label - "Preharvest Interval: Do not apply within 1 day of harvest of citrus fruit."

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 with attached Registration Notes
- Supplemental label entitled Ipimethalin-L (I9A/Ipimethalin-L/Sec 3 Supp Bearing Citrus-Tree Nuts Notif/06-26-07) (3 Pages plus Registration Notes) (5 Copies)

If you require further information, please contact Cindy Loy, Regulatory Specialist at (317) 337-4655 or Paula McKinnies, Registration Assistant for this product, at (317) 337-4679.

Sincerely,

Steve McMaster
Regulatory Leader
Regulatory Success - Americas
(317) 337-4670
(317) 337-4649 (FAX)

Enclosures

