



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Peggy M. Galloway  
Mitsui Chemicals Agro, Inc.  
c/o Landis International, Inc.  
P.O. Box 5126  
Valdosta, GA 31603

AUG 13 2010

Subject: Notifications; Per PR-Notice 2007-4

Dear Ms. Galloway:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated August 9, 2010 for:

✓ EPA Reg. No. 86203-9	<b>Dinotefuran 20% PCO</b>
EPA Reg. No. 86203-10	<b>Dinotefuran Ready To Use</b>
EPA Reg. No. 86203-15	<b>Dinotefuran 0.5% Ornamental And Vegetable RTU</b>
EPA Reg. No. 86203-16	<b>Dinotefuran 0.5% Multi-Purpose RTU</b>

The Registration Division (RD) has conducted a review of these requests for applicability under PRN 2007-4 and find that the label changes requested fall within the scope of PRN-2007-4. The labels have been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions regarding this letter, please contact me at (703) 306-0415 or [davis.kable@epa.gov](mailto:davis.kable@epa.gov).

Sincerely,

Kable Bo Davis  
Entomologist  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

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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

**Application for Pesticide - Section I**

1. Company/Product Number Mitsui Chemicals Agro, Inc./ 86203-9	2. EPA Product Manager Venus Eagle	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Mitsui Chemicals Agro, Inc./ Dinotefuran 20% PCO	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Mitsui Chemicals Agro, Inc. c/o Landis International, Inc. PO Box 5126 Valdosta, GA 31603-5126 <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>AUG 13 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.)

The draft labeling reflects the current registrant name, address, net contents, EPA establishment number, and EPA registration number. Additionally, this notification is consistent with the guidance of PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. 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 the EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, 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:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.      No. per container	If "Yes" Package wgt.      No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input checked="" type="checkbox"/> Other (Specify) Fiber drum with plastic bag liner	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 176.4 lbs.		5. Location of Label Directions <input checked="" type="checkbox"/> on label and leaflet	
6. Manner in Which Label is Affixed to Product <input checked="" 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 Peggy M. Galloway	Title Regulatory Agent	Telephone No. (include Area Code) 229-247-6472
Certification 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 <i>Peggy M. Galloway</i>	3. Title Regulatory Agent	
4. Typed Name Peggy M. Galloway	5. Date August 9, 2010	

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**LANDIS**  
INTERNATIONAL  
R & D MANAGEMENT

August 9, 2010

Ms. Venus Eagle, PM 1  
U.S. EPA Office of Pesticide Program (7504P)  
Document Processing Desk (NOTIF)  
One Potomac Yard, Room S4900  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

SUBJECT: Dinotefuran 20% PCO, EPA Reg. No. 86203-9

Dear Ms. Eagle,

Please find enclosed the following documents on behalf of MITSUI CHEMICALS AGRO, INC., for Dinotefuran 20% PCO, EPA Reg. No. 86203-9:

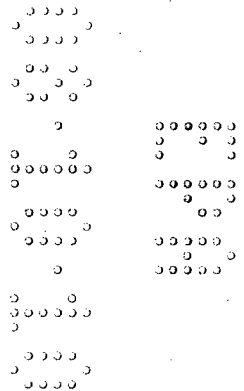
- Application for Pesticide (EPA Form 8570-1).
- One copy of draft labeling for Dinotefuran 20% PCO.
- A copy of the Transfer of Pesticide Registrations and Data from Company Number 33657 to Company Number 86203 letter.

The registration of Dinotefuran 20% PCO was transferred from EPA Reg. No. 33657-14 to EPA Reg. No. 86203-9 on October 29, 2009 due to MITSUI CHEMICALS, INC. changing their name to MITSUI CHEMICALS AGRO., INC. Pursuant to the transfer of the registration of Dinotefuran 20% PCO, the enclosed draft labeling reflects the current registrant name, address, net contents, EPA establishment number, and EPA registration number. Provided is a copy of the Transfer of Pesticide Registrations and Data letter for your reference. Additionally, the enclosed label has been revised to comply with the requirements of PR Notice 2007-4. All changes are highlighted in yellow background with additions in normal type-face and deletions in strikethrough.

Please contact us if you have any questions or need additional information.

Best regards,

Peggy M. Galloway  
Regulatory Agent  
MITSUI CHEMICALS AGRO, INC.  
Enclosures: Identified Above



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# DINOTEFURAN 20% PCO

**RECOMMENDED FOR COMMERCIAL AND INDUSTRIAL USE  
FOR OUTDOOR USE ONLY**

For use on ornamental plants, ants (except fire ants), and building perimeters

**Active Ingredient:**

Dinotefuran, N-methyl-N'-nitro-N'-[(tetrahydro-3-furanyl)methyl]guanidine.....	<b>NOTIFICATION</b>	20%
Other Ingredients.....	<b>AUG 13 2010</b>	80%
Total:		100%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
*See side panels for additional precautionary statements*

<b>FIRST AID</b>	
<b>If Inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call poison control center or doctor for further treatment advice.</li> </ul>
<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If In Eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If On Skin Or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p style="text-align: center;"><b>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact CHEMTREC (800) 424-9300 (24 hours) for emergency medical treatment information.</b></p> <p style="text-align: center;"><i>See side/back panels for additional precautionary statements</i></p>	

EPA Reg No. 86203-9 33657-14

EPA Establishment No.082617-JPN-001  
67545-AZ-01

Net Contents: 176.4 lbs. (80kg)

Manufactured By:

<b>MITSUI CHEMICALS AGRO, INC.</b>	
Shiodome City Center 1-5-2 Higashi-Shimbashi Minato-ku, Tokyo 105-7717 JAPAN	P. O. Box 5126 Valdosta, GA 31603-5126 USA

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**mitsui chemicals, inc.**  
Shiodome City Center  
1-5-2 Higashi-Shimbashi  
Minato-ku, Tokyo 105-7117  
JAPAN

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

**PERSONAL PROTECTION EQUIPMENT**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to shrimp. 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 water adjacent to treated areas. Do not dispose equipment washwaters or rinsate into a natural drain or water body.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill, or store near heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ ENTIRE LABEL, USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**GENERAL INFORMATION**

Failure to follow directions and precautions on this label may result in poor insect control, and/or illegal residues.

- Dinotefuran 20% PCO effectively controls ants (except fire ants) and other listed pests.
- For use in the following areas:  
Ant Hills (except fire ants), Ornamental Plants and Building Perimeters.
- Controls the following insects:

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Ants (except fire ants), Crickets, Small Flying Moths, and Gnats.

### MIXING INSTRUCTIONS:

**Dinotefuran 20% PCO Alone:** Add ½ of the required amount of water to the mix tank. With the agitator running, add the desired amount of Dinotefuran 20% PCO to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after Dinotefuran 20% PCO has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**Dinotefuran 20% PCO + Tank Mixtures:** Add ½ of the required amount of water to the mix tank. Start the agitator running before adding any tank mix partners. In general, tank mix partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids, emulsifiable concentrates, and surfactants/adjuvants. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all the mixture has been applied.

**NOTE:** When using Dinotefuran 20% PCO in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Dinotefuran 20% PCO. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using Dinotefuran 20% PCO in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are labeled.

Dinotefuran 20% PCO is compatible with most commonly used pesticide commercial operator pesticides. However, since it is not possible to test all possible mixtures, the user should pre-test to assure the physical compatibility of any proposed mixtures with Dinotefuran 20% PCO. To determine the physical compatibility of Dinotefuran 20% PCO with other products, use a jar test, as described below:

Using a quart jar, add the proportionate amounts of the products to 1 quart of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for additional required ingredients to the spray tank.

### RESISTANCE MANAGEMENT

Dinotefuran 20% PCO is a nitroguanidine insecticide. Pests which are resistant to insecticides in other chemical classes are not known to be cross-resistant to Dinotefuran 20% PCO. However, insect pests are known to develop resistance to products used repeatedly. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. Consult your local or state authorities for details.

### APPLICATION PROCEDURES AND SPRAY EQUIPMENT

#### For Outdoor Pests:

**GENERAL:** Use Dinotefuran 20% PCO at the rate of 1.4 fluid ounces per one (1) gallon of water to control on contact ants (except fire ants), crickets, small flying moths and gnats. Use at the rate of one (1) gallon per 1,000 square feet to outside surfaces of buildings, porches, patios, garages and other areas where these pests have been seen or are found. Do not spray in or near fish ponds or other bodies of water. Avoid soaking young or flowering plants.

**Building Perimeter Treatment:** To help prevent infestations of buildings by ants (except fire ants), crickets, small flying moths and gnats, treat a 12-18 inch band of soil or other substrate adjacent to buildings and the building foundation to a height of 2 to 3 feet where these pests are active and may find entrance. Use 1.4 fluid ounces of

concentrate per gallon of water and apply as a coarse wet spray at the rate of one (1) gallon per 1,000 square feet.

**RESTRICTIONS**

- Do not graze treated areas or use clippings from treated areas for feed or forage.
- Avoid runoff or puddling of water following application.
- Keep children and pets off treated areas until spray has dried.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool dry place. Do not store diluted spray. For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-CLEANUP.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling Disposal:**

Nonrefillable container. Do not reuse or refill this container.

Triple rinse (or equivalent). ~~Do not reuse container.~~ Offer for recycling, if available or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**CONDITIONS OF SALE**

mitsui chemicals agro, inc. ~~mitsui chemicals, inc.~~, warrants that this product in its unopened package conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions to the crops specified. There are no other warranties, expressed or implied, concerning the use of this product other than indicated on the label. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or conditions not reasonably foreseeable to seller, and buyer assumes all risk of any such use.