

86203-9

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



OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

JAN - 7 2014

Mitsui Chemicals Agro, Inc.
1-5-2 Higashi-Shimbashi
Minato-ku
Tokyo 105-7117
JAPAN

U. S. Agent:
Landis International
P. O. Box 5126
Valdosta, GA 31603-5126
Attention: Ms. Lindsey Sorensen

Subject: Amended label adding pollinator protection language
Product Name: Dinotefuran 20% PCO
EPA Reg. No. 86203-9
EPA Decision Number D483831
Submissions dated 9/25/2013, 12/19/2013, and 1/2/2014

Dear Ms. Sorensen:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. See 40 CFR 156.10(a)(6).

Under 40 CFR 152.130(d), EPA may establish dates by which all product distributed or sold by the registrant must bear revised labeling. The following paragraphs set forth the schedule for ensuring that that your product bears revised labeling within a reasonable time period.

- Any product released for shipment after 2/28/14 must bear the new label.

If these conditions are not complied with, EPA will take appropriate action against this registration. If you have any questions please contact Rita Kumar at 703-308-8291 or kumar.rita@epa.gov.

Regards,



Reuben Baris

for

Acting Product Manager 7
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure

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GROUP	4A	INSECTICIDE
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DINOTEFURAN 20% PCO

**FOR APPLICATION TO OUTDOOR ORNAMENTALS IN
COMMERCIAL AND INDUSTRIAL LANDSCAPE AREAS
FOR OUTDOOR USE ONLY**

For use on ornamental plants, ants (except fire, pharaoh, harvester, carpenter ants)

Active Ingredient:	
Dinotefuran, [N-methyl-N'-nitro-N''-[(tetrahydro-3-furanyl) methyl] guanidine].....	20%
Other Ingredients.....	80%
Total:	100%

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

FIRST AID

If On Skin Or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for further treatment advice.
If Swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.
If In Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for further treatment advice.
If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information on (product, use, etc.), call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

See side/back panels for additional precautionary statements

EPA Reg. No. 86203-9
Net Contents: 176.4 lbs. (80kg)

EPA Establishment No.082617-JPN-001
Lot Number:

Manufactured By:

MITSUI CHEMICALS AGRO, INC.	
Shiodome City Center 1-5-2 Higashi-Shimbashi Minato-ku, Tokyo 105-7117 JAPAN	P. O. Box 5126 Valdosta, GA 31603-5126 USA

**ACCEPTED
JAN - 7 2014**

**Under the Federal Insecticide, Fungicide
and Rodenticide Act, as amended, for the
pesticide registered under:**

EPA. Reg. No: 86203-9

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

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Causes moderate eye irritation. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTION EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

USER SAFETY REQUIREMENTS

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 with soap and water 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. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. 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.

This product is toxic to honey bees. The persistence of residues and potential residual toxicity of Dinotefuran in nectar and pollen suggests the possibility of chronic toxic risk to honey bee larvae and the eventual instability of the hive.

- This product is toxic to bees exposed to residues for more than 38 hours following treatment.
- Do not apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities.

Dinotefuran and its degradate, MNG, have the properties and characteristics associated with chemicals detected in groundwater. The high water solubility of dinotefuran, and its degradate MNG, coupled with its very high mobility, and resistance to biodegradation indicates that this compound has a strong potential to leach to the subsurface under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

SPRAY DRIFT ADVISORY

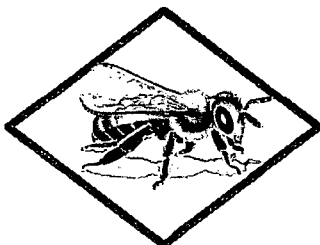
Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crop thereof rendered for sale, use or consumption.

PHYSICAL OR CHEMICAL HAZARDS

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

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PROTECTION OF POLLINATORS



**APPLICATION RESTRICTIONS
EXIST FOR THIS PRODUCT BECAUSE OF RISK
TO BEES AND OTHER INSECT POLLINATORS.
FOLLOW APPLICATION RESTRICTIONS
FOUND IN THE DIRECTIONS FOR USE TO
PROTECT POLLINATORS.**



Look for the bee hazard icon in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

This product can kill bees and other insect pollinators.

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at: <http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: www.aapco.org/officials.html. Pesticide incidents should also be reported to the National Pesticide Information Center at: www.npic.orst.edu or directly to EPA at: beekill@epa.gov

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 DINOTEFURAN 20% PCO while bees are foraging. Do not apply DINOTEFURAN 20% PCO to plants that are flowering. Only apply after all flower petals have fallen off.

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.

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NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow others to enter treated areas until sprays have dried.

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

MIXING INSTRUCTIONS:

Dinotefuran 20% PCO Alone: Add half 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 half 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. Do not exceed label rates and use the most restrictive label precautions and limitations specified on tank mixes. 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

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details.

APPLICATION PROCEDURES AND SPRAY EQUIPMENT

Use Site: Buildings, porches, patios, garages, and edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surface.

(Only in Industrial and Commercial Buildings and on Residential Areas)

For Outdoor Pests:

Use Dinotefuran 20% PCO at the rate of 1.4 ounces per one (1) gallon of water to control on contact ants (except fire, pharaoh, harvester, and carpenter 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. Treat along the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surface. Apply to shrub or ornamental plant beds adjacent to the structure where ants may find food or forage.

Building Perimeter Treatment: To help prevent infestations of buildings by ants (except fire, pharaoh, harvester, carpenter 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 ounces per gallon of water and apply as a coarse wet spray at the rate of one (1) gallon per 1,000 square feet.

Do not apply more than 2.7 lbs. (0.54 lbs. a.i.) of Dinotefuran 20% PCO per acre per year.

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.
- Do not spray in or near fish ponds or other bodies of water.

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: Nonrefillable container. Do not reuse or refill this container.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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.

Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE

MITSUI CHEMICALS AGRO, 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. To the extent consistent with applicable law, there are no other

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DINOTEFURAN 20% PCO

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warranties, expressed or implied, concerning the use of this product other than indicated on the label. To the extent consistent with applicable law, 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.

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