

86203-16

12/20/2013

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



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

DEC 20 2013

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 0.5% Multi-purpose RTU  
EPA Reg. No. 86203-16  
EPA Decision Number D484179  
Submissions dated 9/25/2013, and 12/19/2013

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](mailto:kumar.rita@epa.gov).

Regards,



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

Enclosure

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# **DINOTEFURAN 0.5% MULTI-PURPOSE RTU**

For control of listed sucking and chewing insects infesting outdoor ornamental plants.

- For outdoor use only
- Controls insects on ornamental plants
- Ready-To-Use

Not for Use on Plants Grown for Sale or other Commercial Use

**Active Ingredient:**

Dinotefuran, N-methyl-N'-nitro-N''-[(tetrahydro-3-furanyl)methyl]guanidine ..... 0.5%

**Other Ingredients** ..... 99.5%

**Total:** ..... 100.00%

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

EPA Reg. No. 86203-16

EPA Establishment No. 67545-AZ-01

Net Contents: 1 quart, 1 gallon (946.4 mL, 3.8 L)

Lot Number:

**Manufactured By:**

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

**ACCEPTED  
DEC 20 2013**

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

EPA. Reg. No: 86203-16

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**PRECAUTIONARY STATEMENTS**

Harmful if swallowed.

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

**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 residue 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. Periodic monitoring of shallow groundwater in the use area is recommended.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not store or use near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

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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](http://www.aapco.org/officials.html). Pesticide incidents should also be reported to the National Pesticide Information Center at: [www.npic.orst.edu](http://www.npic.orst.edu) or directly to EPA at: [beekill@epa.gov](mailto: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 0.5% MULTI-PURPOSE RTU while bees are foraging. Do not apply DINOTEFURAN 0.5% MULTI-PURPOSE RTU to plants that are flowering. Only apply after all flower petals have fallen off.

## GENERAL INFORMATION

- Hold container upright. Do not spray up into the air. Turn sprayer nozzle to "on" position. Hold approximately 12 inches from surface to be sprayed. Squeeze trigger to spray until surface is slightly moist.
- Dinotefuran 0.5% Multi-Purpose RTU will not stain surfaces or fabrics where water alone will not stain.
- Dinotefuran 0.5% Multi-Purpose RTU is intended to be used in the following areas:

Ant Hills (except fire ants) and Ornamental Plants

## USE RESTRICTIONS

Do not use on fire ants.

**DO NOT apply to vegetable plants or other plants used for food.**

## APPLICATION PROCEDURES

### OUTDOORS:

Point sprayer away from face. Hold sprayer on a slight downward angle, approximately 12 inches from surface to be sprayed. When outdoors spray in the direction of the wind if a breeze is blowing.

- A one (1) quart container of 0.5% RTU treats 2,100 - 4,200 sq. ft., 1 gallon container of 0.5% RTU treats 8,400 - 16,800 sq. ft.
- Do not apply more than 51.7 quarts (0.54 lbs. a.i.) of Dinotefuran 0.5% RTUs per acre (per 43562 sq. ft.) per year.

**PESTS ON OUTSIDE SURFACES OF BUILDINGS:** For control of building infestation to **ants (except fire ants), crickets and sowbugs (pillbugs)**. Spray foundation of building where insects are active and may find entrance up to a height of 2 to 3 feet. Apply to outside surfaces of buildings where insects tend to congregate.

**CRAWLING INSECTS:** **Ants (except fire ants), crickets, mole crickets, water bugs and silverfish.** Spray infested surface of patio or picnic area. Also spray legs of tables and chairs.

**Ants:** Not for use on fire ants. Spray freely around ant trails and hills. Spray around nests hidden under steps, brickwork, concrete, etc. Break apart accessible nests and spray freely on and around debris.

**FLYING INSECTS: Gnats and small flying moths:** Spray outside surfaces of window and door frames and other areas where these pests may enter the home. Also spray localized resting areas, including under eaves, porches, surfaces around light fixtures and cords, railings, etc. where these insects may rest.

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**FOR CONTROL OF ORNAMENTAL GARDEN INSECTS:** For use on roses, dahlias, asters and other ornamentals to kill **Japanese beetles** hit by spray, as well as **whiteflies, aphids, army worms, lace bugs, mealy bugs, exposed thrips, pavement ants, and leafminers.**

May be used on plants, as well as a multi-purpose spray in small ornamental gardens and for spot treatments to prevent insects from spreading into large garden areas.

For use on ornamental plants including barberry, begonia, bromeliad, chrysanthemum, daylily, dianthus, English daisy, gardenia, holly, hibiscus, impatiens, ivy, juniper, lantana, marigold, nandina, pansy, photinia, poppy, rose and salvia.

When spraying plants, do not operate closer than 18 inches. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Spray insects directly whenever possible.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal.

**PESTICIDE STORAGE:** Store in a cool dry place away from heat or open flame and inaccessible to children.

#### **CONTAINER HANDLING:**

**If empty:** Nonrefillable container. Do not reuse or refill this container. Triple 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 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. Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

#### **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 plants specified. To the extent consistent with applicable law, there are no other 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.