



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

33657-33

Date of Issuance:

DEC 23 2005

Term of Issuance: Conditional

Name of Pesticide Product:

Dinotefuran 20SG Soil Drench

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mitsui Chemicals, Inc.  
Shiodome City Center  
1-5-2 Higashi-Shimbashi  
Minato-ku, Tokyo 105-7117,  
Japan

Authorized U. S. Agent:  
Landis International  
P.O. Box 5126  
Valdosta, GA 31603-5126

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data, and submit acceptable responses required for reregistration of your product under FIFRA section 4.

(continued on page 2)

Signature of Approving Official:

*Rita Kumar*

Date:

DEC 23 2005

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2. Make the following label change before you release the product for shipment:
  - a. Add the phrase "EPA Registration Number 33657-33".
  - b. Provide the EPA Establishment Number on the front panel.
  - c. Move the following sentence from page 3 to page 2 under Use Restrictions: "DO NOT APPLY DINOTEFURAN 20SG SOIL DRENCH MORE THAN ONCE PER YEAR"
3. This registration is subject to the time frames for submission of generic data for the active ingredient, as indicated in the Notice of Registration for Dinotefuran Technical, EPA Registration Number 33657-10.
4. Submit production information (gallons produced) for this product for the fiscal year in which this use is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1, and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year. This information should be submitted to:

Registration Support Branch  
Registration Division (7505C)  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue NW  
Washington D.C. 20460-0001

5. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(a). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely,



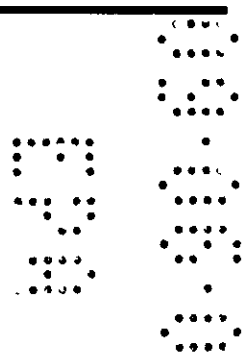
Rita Kumar  
Senior Regulatory Specialist  
Insecticide Rodenticide Branch  
Registration Division (7505C)

Enclosure

# DINOTEFURAN 20SG SOIL DRENCH FOLIAR INSECTICIDE

FOR OUTDOOR RESIDENTIAL USE ONLY.

- Kills insect pests of outdoor ornamental trees and shrubs
- Dissolves quickly, non-foaming formulation
- Kills defoliating insect pests
- Provides rain fast protection
- Systemic activity - moves from the roots to the shoots
- One application a year provides long lasting protection



**Active Ingredient:**

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

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

FIRST AID	
<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor 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>In 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>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 treatment advice.</li> </ul>
HOT LINE NUMBER	
<p>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.</p>	
<p><i>See side/back panels for additional precautionary statements</i></p>	

EPA Reg No. 33657-GG  
**ACCEPTED**  
 with **COMMENTS**  
 In EPA Letter Dated:  
**DEC 23 2005**  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under EPA Reg. No.

33657-33

Net Contents:  
 Manufactured By:  
**MITSUI CHEMICALS, INC.**  
 Shiodome City Center  
 1-5-2 Higashi-Shimbashi

EPA Establishment No. \_\_\_\_\_

Minato-ku, Tokyo 105-7117  
JAPAN

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

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

~~Do not apply directly to water or near rivers, lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.~~

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 store or use near heat or open flame.~~ 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.**

**Use Restrictions**

- DO NOT apply near rivers, lakes, streams or ponds.
- DO NOT apply to waterlogged or frozen soils.
- DO NOT apply to fruit or nut trees where produce is to be eaten.
- DO NOT allow children and pets on treated areas until ground has dried.
- Food utensils such as teaspoons and measuring cups should NOT be used for food purposes after use with this or any insecticide.

**GENERAL INFORMATION**

**WHERE TO USE:**

Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ can be used on outdoor residential ornamental trees and shrubs.

**HOW TO APPLY:**

See "How much Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ to use" to determine the amount required for your specific application.

Measure the required amount into a 1 gallon bucket or watering can and then add 1 gallon of water (2 gallons of water for trees with a diameter of greater than 40 inches - see below).

Stir contents of bucket with a long stick until the Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ has dissolved.

Slowly pour the contents around the base of the ornamental tree or shrub keeping as close to the trunk or stem as possible. Allow time while pouring for liquid to soak into the ground. Do not allow product to run off to surrounding areas as this will reduce product performance.

Rinse the bucket or watering can with an additional gallon of water and dispense around the tree trunk or shrub. This will assist in distributing the product to the plant roots.

During very dry periods trees and shrubs should be well watered the evening before application to assist in uptake of the product.

#### HOW DINOTEFURAN 20SG SOIL DRENCH ~~FOLIAR INSECTICIDE~~ WORKS:

Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ is extremely water soluble. Once applied to the soil around ornamental trees or shrubs, Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ is taken up by the roots along with the water and is transported to the leafy tissues. Here plant feeding insect pests contact the insecticide, stop feeding and are killed. Once inside the foliage Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ cannot be washed away.

For severe insect infestations it is advisable to treat foliage with a suitable foliar insecticide spray at the same time as making a Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ application. Depending on the overall size of the plant being treated it may take from a few days (for small shrubs) up to 3 weeks (for large trees) for Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ to exert its full protective effect.

If ornamental tree or shrub damage is in an advanced stage it may not be possible to prevent loss of the plant.

#### HOW MUCH DINOTEFURAN 20SG SOIL DRENCH ~~FOLIAR INSECTICIDE~~ TO USE

See application rate conversion chart for tree applications.

**Note:** Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with this or any insecticide.

**Ornamental Shrubs:** 3 teaspoons of Dinotefuran 20SG Soil Drench ~~Foliar Insecticide~~ per foot of plant height (measured from the ground) in 1 gallon of water. Round height up.

For example: Shrub is 2 feet 6 inches tall, then round up to 3 feet. 3 teaspoons per foot =  $3 \times 3 = 9$  teaspoons in 1 gallon of water.

**Ornamental Trees:** 1 teaspoon per inch of diameter around the trunk in 1 gallon of water. If the tree has more than one trunk then add together.

For example: Tree has two trunks of 10 and 15 inches diameter. Total diameter = 25 inches. Apply 8 tablespoons and 1 teaspoon in 1 gallon of water.

If total tree circumference either for a single tree or a tree with several trunks is greater than 40 inches, then use 2 gallons of water. This will help distribute the product evenly around the tree.

For example: Tree has two trunks of 20 and 30 inches. Total diameter = 50 inches. Apply 16 tablespoons and 2 teaspoons in a total of 2 gallons of water.

**DO NOT APPLY DINOTEFURAN 20SG SOIL DRENCH ~~FOLIAR INSECTICIDE~~ MORE THAN ONCE PER YEAR.**

6/6

### TREE APPLICATION RATE CONVERSION CHART

Tree diameter (rounded up to nearest inch)	Amount to apply	Tree diameter (inches)	Amount to apply	Tree diameter (inches)	Amount to apply	Tree diameter (inches)	Amount to apply
1	1 teaspoon	11	3 tablespoons, 2 teaspoons	21	7 tablespoons	31	10 tablespoons, 1 teaspoon
2	2 teaspoons	12	4 tablespoons	22	7 tablespoons, 1 teaspoon	32	10 tablespoons, 2 teaspoons
3	1 tablespoon	13	4 tablespoons, 1 teaspoon	23	7 tablespoons, 2 teaspoons	33	11 tablespoons
4	1 tablespoon, 1 teaspoon	14	4 tablespoons, 2 teaspoons	24	8 tablespoons	34	11 tablespoons, 1 teaspoon
5	1 tablespoon, 2 teaspoons	15	5 tablespoons	25	8 tablespoons, 1 teaspoon	35	11 tablespoons, 2 teaspoons
6	2 tablespoons	16	5 tablespoons, 1 teaspoon	26	8 tablespoons, 2 teaspoons	36	12 tablespoons
7	2 tablespoons, 1 teaspoon	17	5 tablespoons, 2 teaspoons	27	9 tablespoons	37	12 tablespoons, 1 teaspoon
8	2 tablespoons, 2 teaspoons	18	6 tablespoons	28	9 tablespoons, 1 teaspoon	38	12 tablespoons, 2 teaspoons
9	3 tablespoons	19	6 tablespoons, 1 teaspoon	29	9 tablespoons, 2 teaspoons	39	13 tablespoons
10	3 tablespoons, 1 teaspoon	20	6 tablespoons, 2 teaspoons	30	10 tablespoons	40	13 tablespoons, 1 teaspoon

#### STORAGE AND DISPOSAL

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

**Pesticide Disposal:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Partially used container may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash.

**Container Disposal:**

If empty: Do not reuse this container. 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, 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.