

PM 19 3125-417 R, 1994



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
3125-417

Date of Issuance:
MAR 18 1994

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

Term of Issuance:
Conditional, Expires:
September 30, 1998

(under FIFRA, as amended)

Name of Pesticide Product:
Merit 2.5 G

Name and Address of Registrant (include ZIP Code):

Miles Inc.
P.O. Box 4913
8400 Hawthorn Road
Kansas City, MO 64120-0013

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/reregistration 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)(C) provided that you:

1. Submit data required to change this registration to an unconditional FIFRA section 3(c)(5) registration. The required data with deadlines for submitting the required data are listed on the second page of this notice of Pesticide Registration.

2. Make the following label change:

Add the phrase, "EPA Registration No. 3125 417" to your label before you release the product for shipment.

Signature of Approving Official: **DENNIS H. EDWARDS**
Dennis H. Edwards, Product Manager (19)
Insecticide Branch Rodenticide Branch
Registration Division (H7505C)

Date:
MAR 18 1994

3. Submit five (5) copies of your final printed labeling, with the changes referred to above, before you release the product for shipment.

Required Data and Deadlines for Submissions of Data:

Toxicology

1. You must submit acute and subchronic neurotoxicity testing. These studies must be received by the Agency by June 30, 1994.

Environmental Fate

2. The submitted validated analytical methods for the determination of Imidacloprid and degradates of toxicological concern in ground and surface water samples must be acceptable or Miles must make appropriate corrections/additions and resubmit the analytical method within 6 months after notification.

Ecological Effect

3. Submit a new mallard reproduction study to establish the NOEC for eggshell thickness. This study must be received by the Agency by November 30, 1994.

4. Conduct a baseline field monitoring study to locate suitable sites and avian species (a species that would have high exposure to NTN on turf during the nesting reproduction period of this species). This study must be received by the Agency by November 30, 1994.

5. Once the appropriate avian species has been identified, you must demonstrate that this species has reasonable sensitivity in order to be used as an indicator species, ie shows reproductive impairment at levels that can expected to be found in the environment. These studies must be received by the Agency by December 30, 1995.

6. You must submit an acceptable avian reproduction monitoring study with the appropriate species. The study should be at least 2 years in length (2 full nesting seasons). This study must be submitted by December 31, 1997.

7. An annual progress report of the monitoring study must be submitted by September 30, of each year during the period this product is conditionally registered.

If these conditions are not complied with, the registration will be subject to can cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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A stamped copy of the label is enclosed for your records.

Sincerely,

DENNIS H. EDWARDS

Dennis H. Edwards, Jr.
Product Manager 19
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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U.S. LABEL

Reason to Issue: To submit final label language to EPA based on their 01/27/94 letter.

Date of Draft: 02/22/94(Pre-Reg)(C)
Supersedes Pre-Reg Draft Dated: 06/22/93
11/09/93 and 12/15/93

MERIT 2.5 G

Nursery and Greenhouse Insecticide

FOR INSECT CONTROL IN ORNAMENTAL CROPS

ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine	2.5%
INERT INGREDIENTS	97.5%
	100.0%

EPA File Symbol No. 3125-URT

Net Contents: ___ Ounces

ACCEPTED
with **COMMENTS**
in EPA Letter Dated

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

MAR 18 1994

CAUTION

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, the pesticide registered under EPA Reg. No.

SHAKE WELL BEFORE USING

(See Rear Panel for Statements of Practical Treatment and Other Precautionary Statements)

AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

BEST AVAILABLE COPY



MERIT 2.5 Granular

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire DIRECTIONS FOR USE, GENERAL INFORMATION, AND CONDITIONS OF SALE before using MERIT 2.5 Granular systemic insecticide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

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DOSAGE MERIT 2.5 Granular			REMARKS
<u>Suggested Amount Per Container</u>			TREATMENT OF CONTAINERIZED PLANTS Application can be made at transplanting; re-potting, or on existing containerized plants. Irrigate after application to move the active ingredient into the root zone. Do not apply more irrigation water than is required to saturate potting media.
<u>Container Size</u>	<u>Grams</u>	<u>TBSP or tsp</u>	
up to 4 inches	0.8	1/6 tsp	SEE GENERAL INFORMATION
4 to 6	1.2	1/3 tsp	
6 to 8	1.6	1/2 tsp	
8 to 12	2.4	2/3 tsp	
12 to 24	4.8	1 1/4 tsp	
NOTE: 1 tsp of MERIT 2.5 Granular = 4.0 grams			
2.5 pounds per cubic yard of growing media			Growing Media: Mix the required amount of MERIT 2.5 Granular per cubic yard of media during the mixing operation. Thoroughly mix the media to ensure a uniform distribution of the MERIT 2.5 Granular in the potting media before filling pots and planting. No more potting media should be treated than can be used during a filling operation.
			SEE GENERAL INFORMATION

RESTRICTIONS

Do not apply to soils which are water-logged, or saturated which will not allow the penetration of water into the root zone of the plants.

Do not over-irrigate or allow excessive runoff to occur following an application of MERIT 2.5 Granular. Do not apply to bedding plants intended to be used as food crops.

For outdoor ornamentals grown in beds, applications of MERIT 2.5 Granular cannot exceed a total of 20 lb (0.5 lb of active ingredient) per acre per year. Applications to containerized plants and greenhouse crops are limited to a single application per crop cycle, or once per year on crops having a production cycle of longer than one year.

STORAGE AND DISPOSAL

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

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

Container Disposal: Completely empty container into application equipment. Dispose of empty containers by incineration in a sanitary landfill or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above. Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away. You may contact the Miles Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Miles Kansas City Emergency Response telephone number is 816-242-2582, or contact Chemtrec at 800-424-9300.

BEST AVAILABLE COPY

Miles, Inc.
Specialty Products
Box 4913, Kansas City, MO 64120-0013