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

EPA Reg. Number:  
3125-466

Date of Issuance:  
**AUG 09 1995**

NOTICE OF PESTICIDE:  
  x   Registration  
      Reregistration

Term of Issuance:

Name of Pesticide Product:  
  
Merit 0.25 G  
Lawn & Garden  
Insecticide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Bayer Corporation  
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.

1. Make the following labeling changes:

a. Add the phrase EPA Registration No. "3125-466" to your label before you release the product for shipment.

Signature of Approving Official:

*DHE*

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

Date:

**AUG 09 1995**

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b. Revised the environmental hazards statement to read: This product is highly toxic to aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposal of equipment washwater.

2. Depending on the results of your groundwater studies, we may require that you add a groundwater advisory statement to this label.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

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

Sincerely,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

# MERIT 0.25 G Lawn and Garden Insecticide

XXX-8522.YLD

5487794

395

Base Pre-Reg. (8522)

U.S. LABEL

Reason to Issue: To propose registration of consumer product. 05/03/95 Draft: To revise in accordance with internal comments

Date of Pre-Reg Draft: 05/03/95(S)  
Supersedes Pre-Reg ~~XXXXXX~~ 04/24/95  
with **COMMENTS**  
in EPA Letter Dated

## MERIT 0.25 G

AUG 09 1995

### Lawn and Garden Insecticide

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

3125-466

For residential use on lawns and landscaped areas.  
Kills white grubs and mole crickets early, before they damage your lawn.  
Apply before insects hatch to prevent turf damage.  
One application controls grubs all season long.

**ACTIVE INGREDIENT:**

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine .....	0.25%
INERT INGREDIENTS .....	99.75%
	100.00%

EPA Reg. No. 3125-XXX

Net Contents: \_\_\_\_\_

**STOP - Read The Label Before Use  
KEEP OUT OF REACH OF CHILDREN**

### CAUTION

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing.

Wash thoroughly with soap and water after handling.

#### STATEMENTS OF PRACTICAL TREATMENT

**If swallowed:** Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoonful (15 ml) of syrup of ipecac followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once.

Do not induce vomiting or give anything by mouth to an unconscious person. **If on skin:** Wash thoroughly with soap and water. Get medical attention if irritation occurs. **If in eyes:** Hold eyelids open and flush with plenty of water. Call a physician if irritation persists.

**TO PHYSICIAN:** No specific antidote is available. Treat the patient symptomatically.

#### ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. Do not apply directly to water.

**WHAT MERIT 0.25 G LAWN AND GARDEN INSECTICIDE DOES**

White grubs can cause extensive damage to turf by feeding on grass roots. Affected turf turns yellow, then brown, and is easily pulled up in pieces with your hands. Mole crickets can seriously damage lawns by their tunneling activity. Some species also feed on the grass roots, as well. MERIT 0.25 G prevents turf damage by killing grubs and mole crickets when they are newly hatched and before they can cause turf damage.

MERIT 0.25 G works best when applied before grubs and mole crickets hatch. The active ingredient will remain in the root zone of the turf until the eggs of grubs or mole

crickets hatch. These newly hatched insects are highly susceptible to MERIT, and are killed before they become large enough to cause turf damage. MERIT 0.25 G also kills grubs in landscaped ornamental areas containing flowers, ground covers, shrubs and trees.

If you have questions regarding the best time to make applications in your area, you can consult your local County University Extension Office. Be sure that you describe the product you are using when seeking such advise.

**HOW TO APPLY MERIT 0.25 G LAWN AND GARDEN INSECTICIDE**

**DIRECTIONS FOR USE**

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

**READ ALL DIRECTIONS FOR USE AND CONDITIONS OF SALE BEFORE USING**

**APPLICATION TO LAWNS:**

Pests Controlled: White grubs (including the larvae of Japanese beetle, Oriental beetle, Chafers, Asiatic garden beetle, May or June beetles, and black turfgrass atenius) and mole crickets.

How to Apply: Using either a drop-type or rotary-type spreader, apply MERIT 0.25 G uniformly over the area being treated. Avoid the use of spreaders which may apply the product in narrow, concentrated or uneven bands. Calibrate your spreader according to the spreader manufacturer's directions to ensure the proper amount of MERIT 0.25 G is applied. Check frequently to be sure spreader is working properly and spreading granules evenly.

After Applying: MERIT 0.25 G will work best if the lawn is watered thoroughly or if rainfall occurs within 24 hours after application to move the active ingredient through the thatch and down into the soil. Avoid mowing lawn until watering or rainfall has occurred so that the uniformity of the granules is not disturbed.

When to Apply: MERIT 0.25 G works best when applied before grubs and mole crickets hatch.

For best results, apply as follows:

White grubs	Apply once, anytime from April through mid-August.
Mole crickets	In Florida, apply once from early April through early May. Elsewhere, apply once from mid-May through mid-June.

DO NOT apply MERIT 0.25 G when turf areas are waterlogged. The product may not work effectively under these conditions.

How Much to Apply: For control of white grubs, MERIT 0.25 G should be applied at the rate of 2.4 pounds per 1,000 square feet. For mole cricket control, apply 3 pounds per 1000 square feet. The table below can be used as a guide for applying the proper rate of MERIT 0.25 G. However, the application rate can vary depending on the speed of application and the condition of the spreader. For best results, use a normal, steady pace when applying to obtain an accurate, even application.

SPREADER SETTING  
TABLE TO BE  
INSERTED HERE.

**APPLICATION TO LANDSCAPE PLANTINGS (Trees, Shrubs, Evergreens, Flowers, Ground covers):**

**Pests Controlled:** White grubs (including larvae of Japanese beetle, Oriental beetle, chafers, Asiatic garden beetle, May and June beetle, and black turfgrass atenius).

**How to Apply:** Apply as a broadcast treatment to soil, mulch or other substrate. Prior to application, remove black plastic from area to be treated to allow water to penetrate into the soil. Permeable weed barriers need not be removed prior to application.

**After Applying:** MERIT 0.25 G will work best if material is worked into the soil around plants or if a thorough watering or rainfall occurs within 24 hours after application to move the product down through mulch and into the soil.

**When to Apply:** The best control of grubs will be obtained if MERIT 0.25 G is applied before grubs begin to hatch. For best results, application should occur from April through mid-August.

DO NOT apply to waterlogged areas. MERIT may not work effectively under these conditions.

**How Much to Apply:** MERIT 0.25 G should be applied at the rate of 2.4 pounds per 1,000 square feet. The table above can be used as a guide for applying the proper rate of MERIT 0.25 G. However, the application rate can vary depending on the speed of application and the condition of the spreader.

**NOTE:** DO NOT apply MERIT 0.25 G to vegetable gardens.

**STORAGE AND DISPOSAL**

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

**Storage:** Store in a cool, dry place.

**Container Disposal:** Do not re-use bag. Wrap and dispose of in trash.

**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.

ORDINARY 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. BAYER 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 BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRA-

