



003125-00472-102098

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Systems Integration Group, Inc.



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
252641

Application for Pesticide - Section I

1. Company/Product Number 3125-472	2. EPA Product Manager Peg Perreault	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product Name Merit 0.25 Plus Lawn and Garden Fertilizer	PM# 04	
5. Name and Address of Applicant (include ZIP Code) Bayer Corporation 8400 Hawthorn Road, P.O. Box 4913 Kansas City, MO 64120-0013 <input type="checkbox"/> Check. If this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION OCT 20 1998
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

See Attached

Per PR Notices 97-4, 97-5, & 97-6

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. Per Container If "Yes" Package wgt. No. Per Container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Charles W. Boyd	Title Senior Registration Specialist	Telephone No. (Include Area Code) 816-242-2457
2. Signature <i>John A Thornton</i>		6. Date Application Received (Stamped)
3. Title Director, Product Registrations & Regulatory Affairs		
4. Typed Name John S. Thornton	5. Date October 6, 1998	

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472-9201.YLD

U.S. LABEL

Base Pre-Reg (9201)

Reason to Issue: To make changes per PR Notice 97-5 and 97-6.

Date of Pre-Reg Draft: 09/30/98 (B)

NOTIFICATION

OCT 20 1998

Merit 0.25

Plus Lawn and Garden Fertilizer

For residential use on lawns and landscaped areas.
Fertilizes lawn and controls white grubs and mole crickets.
Kills white grubs 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 OTHER INGREDIENTS	99.75%
	100.00%

EPA Reg. No. 3125-472

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 FIRST AID

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.

CAS # 138261-41-3

ENVIRONMENTAL HAZARDS

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

not contaminate water when cleaning equipment or disposing of equipment washwater.

WHAT MERIT 0.25 PLUS LAWN AND GARDEN FERTILIZER 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 Plus Lawn and Garden Fertilizer prevents turf damage by killing grubs and mole crickets when they are newly hatched and before they can cause turf damage. It also contains fertilizer to provide beneficial nutrients.**

Text being added is highlighted by redlining.

Text being deleted is highlighted by ~~strikeout~~.

Merit 0.25 Plus Lawn & Garden Fertilizer

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MERIT 0.25 Plus 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 Plus also kills grubs and fertilizes 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 advice.

HOW TO APPLY MERIT 0.25 PLUS LAWN AND GARDEN FERTILIZER DIRECTIONS FOR USE

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

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

READ ALL DIRECTIONS FOR USE AND CONDITIONS OF SALE BEFORE USING

For best results, apply as follows:

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 ataenius) and mole crickets.

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.

How to Apply: Using either a drop-type or rotary-type spreader, apply MERIT 0.25 Plus 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 Plus is applied. Check frequently to be sure spreader is working properly and spreading granules evenly.

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

After Applying: MERIT 0.25 Plus 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.

How Much to Apply: For control of white grubs, MERIT 0.25 Plus should be applied at the rate of 2.4 to 3.0 pounds per 1,000 square feet. For mole cricket control apply 3 pounds per 1,000 square feet. The table below can be used as a guide for applying the proper rate of MERIT 0.25 Plus. 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 in order 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 ataenius).

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

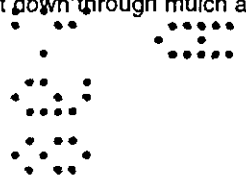
How to Apply: Apply as a broadcast treatment to soil, mulch or other substrate. Prior to application, remove black plastic from areas to be treated to allow water to penetrate into the soil. Permeable weed barriers need not be removed prior to application.

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

After Applying: MERIT 0.25 Plus 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.

How Much to Apply: MERIT 0.25 Plus should be applied at the rate of 2.4 to 3 pounds per 1,000 square feet. The table above can be used as a guide for applying the proper rate of MERIT 0.25 Plus. 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 Plus 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.

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

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.

