

432-1340

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1 of 7



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

APR 08 2010

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Gregory C. Mattern  
Bayer Environmental Science  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

Subject: Revising Container Disposal Section and Warranty Statement

Dear Mr. Mattern:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated March 24, 2010 for:

**EPA Registration 432-1340**

**Merit 0.3 G Lawn and Garden Insecticide**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 98-10 and 2007-4 finds that the label change(s) requested falls within the scope of PRN 99-10 and 2007-4. The label has been date-stamped "Notification" and will be placed in our records.

If you have any questions, call me at 703 305-5409 or electronically at [daniel.dani@epa.gov](mailto:daniel.dani@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Dani Daniel".

Dani Daniel  
Registration Division (7504P)  
Insecticide/Rodenticide Branch

# NOTIFICATION

2007

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95

APR 08 2010



United States  
**Environmental Protection Agency**  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 432-1340	2. EPA Product Manager Venus Eagle	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) MERIT 0.3 G Lawn and Garden Insecticide	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science P.O. Box 12014, 2 T.W. Alexander Drive Research Triangle Park, NC 27709 <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 _____
<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.)

Update of label container disposal section in accordance with PR Notice 2007-4 and 98-10. See attached Section II Explanation.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic or
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input checked="" type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
				Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label or <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container Various (1 to 100 lb)		5. Location of Label Directions <input type="checkbox"/>	
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 Gregory C. Mattern	Title Regulatory Product Manager	Telephone No. (Include Area Code) (919) 549-2630			
<b>Certification</b>					6. Date Application Received (Stamped)
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					
2. Signature <i>Gregory C. Mattern</i>	3. Title Regulatory Product Manager				
4. Typed Name Gregory C. Mattern	5. Date March 24, 2010				

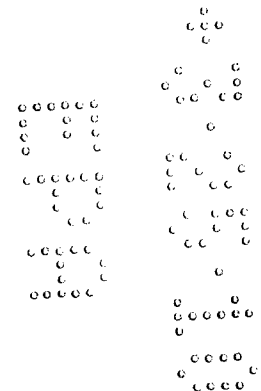
**Section II - Explanation**

With this application Bayer Environmental Science is submitting a Notification of label updates for Merit 0.3 G Lawn and Garden Insecticide, EPA Reg. No. 432-1340.

Specifically, the container disposal section of the label was updated in accordance with PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. Except for those noted in this explanation, no other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and we may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Additionally, the warranty statement was updated consistent with the provision of PR Notice 98-10. This notification is consistent with the guidance in PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Attached are 3 copies of the revised label (one with a changes highlighted in yellow).



4097

NOTIFICATION

APR 08 2010

# Merit<sup>®</sup> 0.3 G Lawn and Garden Insecticide

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.  
Apply only once a season for season-long control.  
Controls white grubs including larvae of some beetles.

<b>ACTIVE INGREDIENT:</b>	
Imidacloprid *, .....	0.3%
<b>OTHER INGREDIENTS:</b> .....	
	99.7%
	100.00%
<b>EPA Reg. No. 432-1340</b>	<b>EPA Est. No.</b>

**STOP - Read the label before use.  
Keep out of reach of children.  
CAUTION**

### FIRST AID

<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If 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 treatment advice.</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 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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**NOTE:** When calling poison control center, have this product label accessible. If seeking treatment at an emergency room or doctor's office, bring this product label to show medical personnel. You may call TollFree 1-877-229-3763 for medical emergency information. Active Ingredient: Imidacloprid [ \*CAS # 138261-41-3].

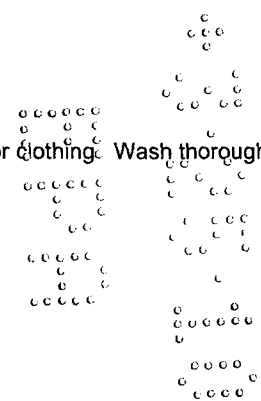
**To Physician:** No specific antidote is available. Treat the patient symptomatically.

### 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.  
Not for sale, sale into, distribution and or use in Nassau and Suffolk counties of New York.



(Optional alternate statement) Not for sale, sale into, distribution and or use in Nassau, Suffolk, Kings, and Queens counties of New York.

### 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 0.3 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 0.3 G prevents turf damage by killing grubs and mole crickets when they are newly hatched and before they can cause turf damage.

MERIT 0.3 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 0.3 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 advice.

### HOW TO APPLY MERIT 0.3 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 ataenius) and mole crickets.

How to Apply: Using either a drop-type or rotary-type spreader, apply MERIT 0.3 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 0.3 G is applied. Check frequently to be sure spreader is working properly and spreading granules evenly.

After Applying: MERIT 0.3 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 0.3 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.

Your local County University Extension Office can be consulted for the best application timing in your area. Be sure that you describe the product you are using when seeking such advice.

DO NOT apply MERIT 0.3 G when turf areas are waterlogged. The product may not work effectively under these conditions.

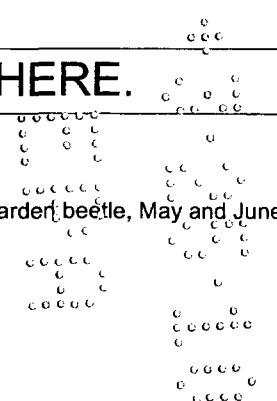
How Much to Apply: For control of white grubs, MERIT 0.3 G should be applied at the rate of 2.0 pounds per 1,000 square feet. For mole cricket control, apply 2.5 pounds per 1000 square feet. The table below can be used as a guide for applying the proper rate of MERIT 0.3 G. However, the application rate 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 ataenius).



**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 0.3 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 0.3 G is applied before grubs begin to hatch. For best results, application should occur from April through mid-August.

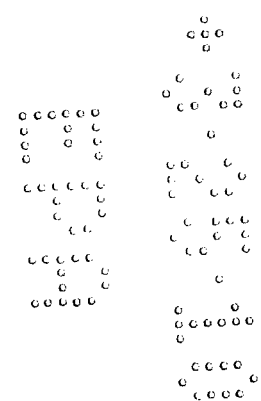
DO NOT apply to waterlogged areas. MERIT may not work effectively under these conditions.

**How Much to Apply:** MERIT 0.3 G should be applied at the rate of 2 pounds per 1,000 square feet. The table above can be used as a guide for applying the proper rate of MERIT 0.3 G. However, the application rate can vary depending on the speed of application and the condition of the spreader.

**NOTE:** DO NOT apply MERIT 0.3 G to vegetable gardens.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal	
Storage Conditions:	Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet.
Disposal: 	<p><b>If empty:</b> Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.</p> <p><b>If partly filled:</b> Call your local solid waste agency at 1-XXX-XXX-XXXX for disposal instructions. Never place unused product down any indoor or outdoor drain.</p>



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**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

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



**Bayer Environmental Science**

**A Business Group of Bayer CropScience LP  
2 T. W. Alexander Drive  
P.O. Box 12014  
Research Triangle Park, NC 27709**

Merit 0.3 G (MASTER) Approved 10/21/04, Notification 03/24/10

