



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 72155-36	2. EPA Product Manager Dan Kenny	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Merit 0.25 Plus Lawn and Garden Fertilizer	PM# 4A	
5. Name and Address of Applicant (Include ZIP Code) Bayer Advanced 95 Chestnut Ridge Rd. Montvale, NJ 07645 <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  JUN 30 2004
<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

### 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"/>	
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 Registrations Manager	Telephone No. (Include Area Code) (201) 307-3140
Certification 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.		6. Date Application Received  (Stamped)
2. Signature 	3. Title Registrations Manager	
4. Typed Name Charles W. Boyd	5. Date 6/14/04	

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**Section II - Explanation**

Bayer Advanced is submitting a **Notification** to add the following pests to the label: Billbugs, Annual Bluegrass weevils, European Crane Flies, and suppression of Chinchbugs and Cutworms. These pests are being added to the site on the label formerly for white grubs. The dosage, frequency, concentration and method of application remain the same. These are all non-public health pests.

We are also adding claims associated with these pests, as well as claims associated with the fertilizer component of the product (non-FIFRA related claims).

I am enclosing one copy of the label with the additional text highlighted.

This notification is consistent with the provision of 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.

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NOTIFICATION

JUN 30 2004

[FRONT PANEL]

# Merit<sup>®</sup> 0.25 Plus Lawn and Garden Fertilizer

**READY TO USE**

Kills White Grubs, Mole Crickets, and European Crane Fly larvae

For Use On: Lawns, Ground Covers, Flower Beds, and around Trees & Shrubs

- Just One Application Kills Grubs, Mole Crickets, and European Crane Fly larvae All Season Long
- Apply Anytime...Spring Through Late Summer

**CONTAINS ROOT BOOSTER™**

- X-X-X Feeds Root Systems
- Promotes Vigorous Root Growth

(ART: treated lawn, untreated lawn)

- Convenient, Two-in-One Formula
- Feeds Roots (the lawn) and (Plus) Protects Against Grubs
- Season-Long Grub Control
- Kills White Grubs Before They Damage Your Lawn
- Kills White Grubs Early, Before They Damage Your Lawn
- Promotes Strong Roots
- Helps Strengthen Root Systems by Promoting Growth
- Helps Lawn Recover
- Helps Strengthen Root Systems
- Rejuvenates the Lawn
- Patented Formula Helps Lawn Recover
- Unique Patented Formula
- Contains Merit<sup>®</sup>
- Suppresses chinch bugs and cutworms
- Also Kills Mole Crickets, Billbugs, Annual Bluegrass Weevils, and European Crane Fly larvae

**ACTIVE INGREDIENT:**

Imidacloprid,\* ..... 0.25%

**OTHER INGREDIENTS:** ..... 99.75%

EPA Reg. No. 72155-36


Net Contents: \_\_\_ Pounds

**STOP - Read the label before use**  
**Keep out of reach of children**  
**FOR OUTDOOR RESIDENTIAL USE**  
**CAUTION**

See back panel for Ingredients and Additional Precautionary Statements

[BACK PANEL]

**READ THE LABEL FIRST!**

<b>QUICK FACTS</b>	
<ul style="list-style-type: none"> <li>• Easy-To-Use Granules</li> <li>• Unique Double Action Formula (2-in-1)               <ul style="list-style-type: none"> <li>- Kills White Grubs Before They Damage Lawns</li> <li>- Feeds Root Systems</li> <li>- Feeds the lawn (for thicker, greener turf)</li> </ul> </li> <li>• Two-In-One Formula Kills Grubs While Feeding Your Lawn</li> <li>• Kills White Grubs Before They Damage Lawns</li> <li>• Just One Application Stops Grubs From Spring Through Late Summer</li> <li>• Season-Long Grub Control</li> <li>• Kills White Grubs, Billbugs, Annual Bluegrass Weevils, Mole Crickets, and European Crane Fly larvae Early, Before They Damage The Lawn</li> </ul>	
<b>KILLS</b>	White Grubs (ART: WHITE GRUB) (including larvae of the Asiatic Garden Beetle, Black Turfgrass Ataenius, Chafers, Japanese Beetle, May Or June Beetle, and Oriental Beetle.) Billbugs Annual Bluegrass Weevils Mole Crickets (ART: MOLE CRICKET) European Crane Fly larvae (ART: EUROPEAN CRANE FLY LARVAE) Suppresses Chinch bugs and Cutworms
<b>FEEDS</b>	Promotes strong roots. (Builds thicker, greener turf)
<b>COVERAGE</b>	This bag covers up to 5,000 sq ft (12 lb bag) (white grubs, billbugs, annual bluegrass weevils, and European crane fly larvae) 4,000 sq ft (mole crickets)
<b>WHERE TO USE</b>	Lawns, ground covers, flower beds, shrubs, trees
<b>WHEN TO USE</b>	May through mid-August
<b>HOW MUCH TO USE</b>	See spreader settings
	Questions or comments, call toll-free (877) 229-3725 <a href="http://www.BayerAdvanced.com">www.BayerAdvanced.com</a>

**ACTIVE INGREDIENT:**

Imidacloprid* .....	0.25 %
<b>OTHER INGREDIENTS**:</b> .....	<b>99.75 %</b>
	100.00 %

\* Other ingredients include: Fertilizer, Sticker and Surfactants

Imidacloprid is the chemical name for Merit® insecticide.

EPA Reg. No. 72155-36

EPA Est. No. XXX

FERTILIZER ANALYSIS x-x-x

**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.

### 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>
<p><b>NOTE:</b> 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].</p>	

**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.
- Do not contaminate water when cleaning equipment or disposing of equipment washwater.

### DIRECTIONS FOR USE

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

For best results, read and follow all label directions.

#### BEFORE YOU USE

Read and follow these directions when using.

- Do not apply the product near fish pools, ponds, streams or lakes.
- Do not use in vegetable gardens.

#### HOW TO USE

##### TO CONTROL

##### WHEN TO APPLY

GRUBS

Apply once anytime from May through mid-August.

BILLBUGS AND ANNUAL BLUEGRASS WEEVILS

Apply once, when adults are present in large numbers (early to late spring)

EUROPEAN CRANE FLY LARVAE

Apply once, when these insects are present in large numbers (late summer to mid-fall)

MOLE CRICKETS

Apply once anytime from mid-May through mid-June.

Florida residents: Apply once anytime between early April through early May.

For best results, apply MERIT 0.25 Plus Lawn and Garden Fertilizer before grubs, billbugs, annual bluegrass weevils, European crane flies, or mole crickets hatch. Contact your County Extension Agent for the ideal dates to apply in your area.

#### LAWNS

**How Much:** See Spreader Settings

Adjust spreader to the proper setting (see Spreader Settings).

(ART)

	To be sure you cover the entire area uniformly, first treat the border of the lawn then fill in the center. Make parallel passes, walking at a steady pace to ensure even distribution of the granules.	(ART)
	Water thoroughly after applying.	(ART)

Continued on next page


**DIRECTIONS FOR USE (Continued)**

<b>FLOWER BEDS, GROUND COVERS, TREES &amp; SHRUBS</b>	<b>How Much:</b> 0.4 oz (X Tablespoons) per 10 sq ft of planting bed. 4 oz (X cups) per 100 sq ft of planting bed.	
	Spread granules evenly to the soil over flower beds, ground cover plantings, shrub beds and under trees. Tip: A hand-held spreader makes this easy.	(ART)
	Rake granules into the soil around plants.	(ART)
	Water thoroughly after applying.	(ART)

<b>FOR BEST RESULTS</b>	<ul style="list-style-type: none"> <li>Apply early, before grubs, billbugs, annual bluegrass weevils, European crane flies, and mole crickets hatch.</li> <li>Water thoroughly within 24 hours after applying.</li> <li>Do not mow until the granules are watered into the soil.</li> <li>Avoid applying MERIT 0.25 Plus Lawn and Garden Fertilizer to waterlogged areas, as this may decrease the product's effectiveness.</li> <li>You may spread MERIT 0.25 Plus Lawn and Garden Fertilizer over soil or mulch. If present, remove weed barrier before applying.</li> </ul>
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**SIGNS OF DAMAGE TO LAWNS**

<b>GRUBS</b>	White grubs cause extensive damage to lawns by feeding on grass roots. Grass turns yellow, then brown, and dies. Grubs chew off roots so that the grass is easily pulled up in pieces with your hands. You can roll it back like a carpet to reveal the grubs. If patches of dead grass appeared in your lawn late last summer, check for grubs.
<b>BILLBUGS AND ANNUAL BLUEGRASS WEEVILS</b>	Grass turns yellow, then brown, and dies. Stems of damaged grass breaks off easily.
<b>EUROPEAN CRANE FLY LARVAE</b>	European crane fly larvae often cause damage by feeding on grass roots and disrupting the soil surface.
<b>MOLE CRICKETS</b>	Mole crickets often cause extensive damage by tunneling through lawns. Some species also feed on roots. Tunneling uproots the grass so it easily dries out. Lawns turn yellow, become thin, weedy, and can eventually die.
<b>HOW IT WORKS</b>	After MERIT 0.25 Plus Lawn and Garden Fertilizer granules are watered in, a protective zone is formed in the soil. If applied early, MERIT 0.25 Plus Lawn and Garden Fertilizer kills grubs, billbugs, annual bluegrass weevils, European crane flies, and mole crickets when they hatch...before they can cause damage. Also can suppress chinch bug and cutworm populations if applied when they are young.

	Children and pets may re-enter after the treated area has been watered and allowed to dry.
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**Spreader Settings**

If your spreader is not listed, please call our Consumer Service Hotline toll-free (877) 229-3725 for help.
Rate for grubs, billbugs, annual bluegrass weevils, and European crane fly larvae: 2.4 lbs per 1,000 sq ft
Rate for mole crickets and suppression of chinch bugs and cutworms: 3 lbs per 1,000 sq ft

SPREADER	SETTING* To deliver 2.4 lbs per 1,000 sq ft	SETTING* To deliver 3 lbs per 1,000 sq ft
Vigoro Drop Vigoro Rotary Sta-Green Drop Sta-Green Rotary Bandini Ev-N-Spread Rotary Ortho Drop Ortho Rotary Precision Drop Precision Rotary Quaker Rotary Republic EZ Drop Republic EZ Grow Republic EZ Rotary Scotts Drop Scotts Accugreen Scotts Easygreen Scotts Evengreen Scotts Speedy Green True Temper Rotary ADD: TWO-IN-ONE SPREADERS	Spreader settings to be determined.	Spreader settings to be determined.

• Settings are approximate. The condition of your spreader, the speed at which you walk and uneven terrain may affect the rate of application. Calibrate your spreader according to manufacturer's directions.  
 Tip: 1000 sq ft = 20 ft x 50 ft  
 Do not use a spreader that applies granules in narrow, concentrated or uneven bands. Be sure the spreader works properly and

**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: 	<b>If empty:</b> Do not reuse this container. Place in trash or offer for recycling if available.  <b>If partly filled:</b> Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**NOTICE**

Research and testing has determined that the "Directions for Use" are appropriate for the proper use of MERIT 0.25 Plus Lawn and Garden Fertilizer under expected conditions. The Buyer assumes responsibility for lack of performance or safety if not used according to the directions.

Money Back Guarantee: If you are not satisfied, we will gladly refund your original purchase price.

**B9789a 11/13/03**

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Bayer Advanced  
A Business Unit of Bayer CropScience LP  
95 Chestnut Ridge Road  
Montvale, NJ 07645

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