



Bayer Environmental Science

**ACCEPTED**  
 NOV 7 2003  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide Registered under EPA Reg. No. 432-1345-

# Merit<sup>®</sup> 0.3

## 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 *, .....	0.30%
<b>OTHER INGREDIENTS:</b> .....	<u>99.70%</u>
	100.00%

EPA Reg. No. 432-1345

EPA Est. No. \_\_\_\_

**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.

#### 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 eye</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.

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## 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 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 0.3 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.

MERIT 0.3 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 0.3 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 0.3 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.

### 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 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 0.3 Plus is applied. Check frequently to be sure spreader is working properly and spreading granules evenly.

**After Applying:** MERIT 0.3 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.

**When to Apply:** MERIT 0.3 Plus 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.

NOT apply MERIT 0.3 Plus 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 Plus should be applied at the rate of 2 to 2.5 pounds per 1,000 square feet. For mole cricket control apply 2.5 pounds per 1,000 square feet. The table below can be used as a guide for applying the proper rate of MERIT 0.3 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).

**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 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.

**When to Apply:** The best control of grubs will be obtained if MERIT 0.3 Plus 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 Plus should be applied at the rate of 1.5 to 1.7 pounds per 1,000 square feet. The table above can be used as a guide for applying the proper rate of MERIT 0.3 Plus. However, the application rate can vary depending on the speed of application and the condition of the spreader.

**NOTE:** DO NOT apply MERIT 0.3 Plus 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> Do not reuse this container. Place in trash or offer for recycling if available.</p> <p><b>If partly filled:</b> Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.</p>

**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 should be followed carefully. However, because of manner of use and other factors beyond Bayer Environmental Science's control it is impossible for Bayer Environmental Science to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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