Plantscapes

White grub larvae (such as Japanese beetle larvae, Chafers, Asiatic garden beetle, Oriental beetle)
Adelgids (including hemlock)
Leaf-feeding beetles (Japanese beetle, emerald ash borer and vine weevil adults)

Trees and Shrubs

Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If trunk diameter at breast height (D.B.H.) or greater, apply in holes evenly spaced in circles (use more than one circle dependent upon the size of the tree).

RESTRICTION: Do not apply more than 1.6 pints (0.4 lb of active ingredient) per acre per year.

Apply specified dosage as a foliar spray using 200 gallons of water per acre.

RESTRICTIONS

Do not apply more than a total of 6.0 ounces of MERIT 2F Insecticide per acre per year.

Allow at least 14 days between applications.

Do not allow runoff or puddling of irrigation water following application.

Do not apply MERIT 2F Insecticide to areas which are water logged or saturated, which will not allow penetration into the root zone of the plant.

Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop for which a tolerance has been established, a 12-month plant-back interval must be observed.

IMPORTANT: READ BEFORE USE

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

OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR WITH RESPECT TO ANY OTHER INJURY, DAMAGE OR LOSS, DIRECT OR CONSEQUENTIAL, WHICH MAY RESULT 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.

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is with the applicability of law, BAYER CROPSCIENCE LP MAKES NO WARRANTY OR REPRESENTATION AND ASSUMES NO RESPONSIBILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH MAY RESULT FROM SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR HANDLING, OR ANY OTHER CAUSE.

The use of this product may be regulated by state and local authorities. The applicability of any particular state or local restrictions must be determined by the user. The user should also consult with his local cooperative extension service before application of this material.

Precautionary Statements, Directions for Use and Storage and Disposal Instructions.

Produced for:

Bayer CropScience

Shake Well Before Using.

*Not for use in California for control on pears.
Precautionary Statements

Pesticide Storage:
Store in a cool, dry place and in such a manner as to prevent cross-contamination with other materials. Store out of reach of children. Keep unauthorized people away. You may contact the Bayer Environmental Science Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Environmental Science Emergency Response Team may be contacted by calling 1-800-858-7271. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Storage and Disposal:
Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) and flush with water before offer for recycling, if available, or reconditioning, or puncture and dispose of in accordance with Federal, State, and Local Regulations.

Agricultural Use Requirements
Use MERIT 2F to control aphids, scale insects, mealybugs and other sucking pests on ornamentals to limit the honeydew production that attracts ants, sooty molds, and other pests. Treatments may also lead to control of some pests that feed on plant tissues such as whiteflies, and thrips. Non-WPS USES: If present, after the first 5 minutes, then continue rinsing eye.

Non-specifics:
This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this material is subject to the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Environmental Exposure:
• Prevent spray drift and minimize spray drift by spraying at wind speeds less than 10 mph. Avoid spraying high winds, rain, and strong gusts. Do not use sprayers with pressure greater than 50 psi. Suppose that after spraying, the wind direction is blowing toward treated area. Use sprayers with adjustable nozzle and sprayer. Do not spray with pressure greater than 50 psi.

Directions for Use:
• Use MERIT 2F as directed on the label. Do not exceed label directions.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves application of this material, must wear:
• Shoes plus socks
• Gloves
• Non-WPS USES:
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
• Have person sip a glass of water if able to swallow.
• Take off contaminated clothing.

FIRST AID:
• Do not wash or give any water to a person.
• If necessary, consult a physician.
• For MÉDICAL:
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
• Have person sip a glass of water if able to swallow.
• Take off contaminated clothing.

Precautionary Statements

In general, agricultural plant uses e.g., use in sod farms, must wear:
• Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber or polyurethane
• Chemical resistant footwear
• Chemical resistant eye protection

Agricultural Use Requirements
Use MERIT 2F to control aphids, scale insects, mealybugs and other sucking pests on ornamentals to limit the honeydew production that attracts ants, sooty molds, and other pests. Treatments may also lead to control of some pests that feed on plant tissues such as whiteflies, and thrips. Non-WPS USES: If present, after the first 5 minutes, then continue rinsing eye.

Note To Physician
Applicators and other handlers who handle this product for any use covered by the Worker Protection Standard must wear:
• Shoes plus socks
• Gloves

Non-WPS USES:
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
• Have person sip a glass of water if able to swallow.
• Take off contaminated clothing.

FIRST AID:
• Do not wash or give any water to a person.
• If necessary, consult a physician.
• For MÉDICAL:
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
• Have person sip a glass of water if able to swallow.
• Take off contaminated clothing.

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Use MERIT 2F to control aphids, scale insects, mealybugs and other sucking pests on ornamentals to limit the honeydew production that attracts ants, sooty molds, and other pests. Treatments may also lead to control of some pests that feed on plant tissues such as whiteflies, and thrips. Non-WPS USES: If present, after the first 5 minutes, then continue rinsing eye.

Note To Physician
Applicators and other handlers who handle this product for any use covered by the Worker Protection Standard must wear:
• Shoes plus socks
• Gloves

Non-WPS USES:
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
• Have person sip a glass of water if able to swallow.
• Take off contaminated clothing.

FIRST AID:
• Do not wash or give any water to a person.
• If necessary, consult a physician.
• For MÉDICAL:
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
• Have person sip a glass of water if able to swallow.
• Take off contaminated clothing.

Precautionary Statements

In general, agricultural plant uses e.g., use in sod farms, must wear:
• Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber or polyurethane
• Chemical resistant footwear
• Chemical resistant eye protection

Agricultural Use Requirements
Use MERIT 2F to control aphids, scale insects, mealybugs and other sucking pests on ornamentals to limit the honeydew production that attracts ants, sooty molds, and other pests. Treatments may also lead to control of some pests that feed on plant tissues such as whiteflies, and thrips. Non-WPS USES: If present, after the first 5 minutes, then continue rinsing eye.

Note To Physician
Applicators and other handlers who handle this product for any use covered by the Worker Protection Standard must wear:
• Shoes plus socks
• Gloves

Non-WPS USES:
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
• Have person sip a glass of water if able to swallow.
• Take off contaminated clothing.

FIRST AID:
• Do not wash or give any water to a person.
• If necessary, consult a physician.
• For MÉDICAL:
• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
• Have person sip a glass of water if able to swallow.
• Take off contaminated clothing.
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Non-WPS USES:

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Keep children or pets off treated area until spray is dry.

If in eyes:

• Rinse skin immediately with plenty of water for 15 to 20 minutes.

If on skin:

• Do not induce vomiting unless told to do so by a poison control center or doctor.
• Call a poison control center or doctor for treatment advice.

MATERIAL SAFETY DATA SHEET

USER SAFETY RECOMMENDATIONS

STORAGE AND DISPOSAL

Pesticide Storage:

Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If spillage occurs, immediately

Container Disposal:

Triple rinse as follows: Empty the remaining contents into application equipment or a mixture tank and drain for 10 seconds promptly after emptying.

STORAGE AND DISPOSAL (continued)

Do not formulate this product into other end-use products.

 Furthermore, this material has been shown to affect aquatic organisms. Do not contaminate groundw ater by disposing of residuals or wastes in ditches, ditches, or ponds.

Non-agricultural USE REQUIREMENTS

STORAGE AND DISPOSAL

NOTE:

M E R I T 2 F Insecticide contains a Group 4A insecticide. Insect biotypes with acquired or inherent resistance to Group 4A may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant chemical. This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of accurately labeled pesticide products is necessary to control insect pests. When following label directions, M E R I T 2 F Insecticide will not be affected. The label as amended is the result of a peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific peer-reviewed scientific 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HAZARDS TO HUMANS AND DOMESTIC ANIMALS

• Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
• Remove and wash contaminated clothing before reuse.
• Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.
• Do not apply more than 1.6 pt (0.4 lb of active ingredient) per acre per year.

STORAGE AND DISPOSAL

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) before placing in the trash or other disposal facility.

APPLICATION EQUIPMENT FOR FOLIAR APPLICATIONS

When making foliar applications on hard to wet foliage such as holly, pine, or ivy, the addition of a spreader/sticker is recommended. Foliar applications offer locally systemic activity against insect pests. Applications can be made by foliar application or soil application; including soil injection, drenches, and broadcast sprays. Foliar applications offer locally systemic activity against insect pests. In some cases, this translocation delay could take up to 60 days or longer. For this reason, make the application prior to anticipated pest infestation to achieve optimum levels of control.

TRANSPORTATION

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this product in an agricultural field may contaminate the water and soil. The protection of ground water requires the use of agricultural practices that prevent contamination.

ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records, or the need for a control program. The addition of a nitrogen containing fertilizer, where applicable, into the solution may enhance the uptake of the active ingredient. Application can be made by foliar application or soil applications; including soil injection, drenches, and broadcast sprays. Foliar applications offer locally systemic activity against insect pests.

APPLICATION TO TURF

For non-turf applications, this product is not recommended. Turf unacceptable with 0.46 to 0.6 fl oz Insecticide in combination with a remedial insecticide to minimize damage to turf.

APPLICATION TO WEEDS

This product is not recommended for use on weeds.

PREREQUISITE STATEMENTS

FOR MEDICAL

• Do not induce vomiting unless told to do so by a poison control center or doctor.

If in eyes

Wash out eyes with large quantities of water for 15 minutes while lifting upper and lower eyelids. Avoid contact with the eyes.

If on skin

Wash thoroughly with soap and water. Avoid contact with the skin. If skin irritation occurs, seek medical attention immediately.

Note to Physician

Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

In case of emergency call toll-free the Bayer Environmental Science Emergency Response Telephone No. 800-334-7577.

For non-turf applications, this product is not recommended. Turf unacceptable with 0.46 to 0.6 fl oz Insecticide in combination with a remedial insecticide to minimize damage to turf.
**CROP PEST**

Broadcast Applications:
- adelgids (including hemlock
- leaf-feeding bugs (including lace
- vine weevil adults)
- Psyllids
- Mealybugs
- Whiteflies
- Armored scales (including but not
- White peach scales)
- Florida red, oystershell, tea, and
- Royal palm bug
- White grub, billbug, and
- Thrips (foliage only)
- Pecan stem phylloxera
- Pecan spittlebug

**RESTRICTION:**
- Do not apply more than 1.6 pints (0.4 lb of active ingredient) per acre per year.

**DOSAGE MERIT**

- 0.46 to 0.6 fl oz per 1000 sq ft
- 0.2 fl oz (6 mL) per inch of trunk diameter (DBH)
- 0.46 to 0.6 fl oz (14 to 17 mL) per 1000 sq ft

**APPLICATION TO TREES**

- Uniformly apply the dosage in no less than 10 gallons of water per 1000 square feet as a drench around the root zone.

**APPLICATION TO SHRUBS**

- Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If root zone is moist for 7 to 10 days. Do not use less than 4 holes per tree or shrub.

**RESTRICTION:**
- Do not apply more than 6.0 fluid ounces per acre in a single application.

**OTHER PESTS**

- Thorough uniform coverage of foliage is necessary for optimal control. Addition of an organosilicone-based spray adjuvant is required 10 days later if severe pressure continues or if generations are overlapping. A single application may result in suppression only. MERIT 2F Insecticide will not control late stage larvae.

**DISPOSAL INSTRUCTIONS**

- Keep out of reach of children.

**OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR 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. 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.
**Shrubs, Flowers, Ground Covers**

**White grub larvae** (such as Japanese beetle larvae, Chafers, Asiatic garden beetle, Oriental beetle)

**Broadcast Applications:**

- **Adelgids** (including hemlock wooly adelgid, bark scale)
- **Mealybugs** and spittle bugs
- **Leafminers**
- **Aphids**
- **Thrips** (foliage only)
- **Soft scales**
- **Royal palm bug**
- **Root weevil larvae**
- **Saw fly larvae**
- **Sawfly larvae**
- **Emperor moth larvae**
- **Japanese beetles**
- **Japanese beetle and vine weevil adults**
- **Grape leafhopper species**
- **Asiatic garden beetle**
- **Oriental beetle**
- **Emerald ash borer**
- **Bronze birch borer**
- **Asian Longhorned Beetle**
- **Eucalyptus Longhorned Borer**
- **Alder Borer**

**Trees with a 15 inch of root zone**

**Fruit and nut trees and interior landscapes.**

**Grid System:** Space holes on 2.5 foot centers, in a grid pattern, extending to the drip line of the tree.

**Circling System:** Apply in holes evenly spaced in circles, (use more than one circle dependent upon the size of the tree)

**RESTRICTION:** Do not apply more than 1.6 pints (0.4 lb of active ingredient) per acre per year.

**Foliar Applications:**

- **Chrysanthemum leafminer**
- **Adelges species**
- **Hydrangea lacebug**
- **Japanese beetles**
- **Japanese beetle and vine weevil adults**
- **Grape leafhopper species**
- **Asiatic garden beetle**
- **Oriental beetle**
- **Emerald ash borer**
- **Bronze birch borer**
- **Asian Longhorned Beetle**
- **Eucalyptus Longhorned Borer**
- **Alder Borer**

**Trees and Shrubs**

**Apply the following rates as a function of tree diameter at breast height (D. B. H.)**

- 0.1 to 0.4 fl. oz (3 to 10 mL) per inch of trunk diameter (D. B. H.)
- 0.46 to 0.6 fl oz (14 to 17 mL) per 1000 sq ft or per foot of shrub height

**Trees with a 15 inch of root zone**

**Uniformly apply the dosage in no less than 10 gallons of water per 1000 square feet as a drench around the root zone of the plant.**

**Do not apply more than a total of 18.0 fluid ounces of MERIT 2F Insecticide per acre per year.**

**Do not apply more than 1.6 pints (0.4 lb of active ingredient) per acre per year.**

**Leafminers**

- For San Jose Scale, time applications to the crawler stage. Treat each generation.
- For late season (preharvest) control of leafhopper species, apply MERIT 2F Insecticide while most leafhoppers are in the petiole stage. The product is formulated for instant control and a broad range of activities. The product is designed to provide control of white grubs, leafminers, and other pests that may be found in or around the root zone of the plant.

**Mealybugs**

- 1.5 fl oz
- 3.0 fl oz/A

**RESTRICTIONS**

- Do not apply MERIT 2F Insecticide to areas which are waterlogged or saturated, which will not allow penetration into the root zone of the plant.
- Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop for which a tolerance has been established. See label section for additional information.
- Do not use less than 4 holes per tree or shrub.
- Allow at least 7 days between last application and harvest.
- Do not apply M ERIT 2F Insecticide to areas which are waterlogged or saturated, which will not allow penetration into the root zone of the plant.
- Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop for which a tolerance has been established. See label section for additional information.
- Do not apply more than 1.6 pints (0.4 lb of active ingredient) per acre per year.

**No Soil Injection Applications Allowed in Nassau or Suffolk Counties of New York.**

**RESTRICTIONS**

- Do not apply more than a total of 6.0 ounces of MERIT 2F Insecticide per acre per year.
- Do not apply more than 1.6 pints (0.4 lb of active ingredient) per acre per year.
- Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop for which a tolerance has been established. See label section for additional information.

**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 TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE SAFETY, EFFECTIVENESS, USE, OR PERFORMANCE OF THIS PRODUCT OR ITS COMPOSITION OR ANY PART THEREOF, OR ANY RESTRICTION OR RESTRICTION 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 MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE SAFETY, EFFECTIVENESS, USE, OR PERFORMANCE OF THIS PRODUCT OR ITS COMPOSITION OR ANY PART THEREOF, OR ANY RESTRICTION OR RESTRICTION 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.

**LIM ITATIONS OF LIABILITY:**

**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 MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE SAFETY, EFFECTIVENESS, USE, OR PERFORMANCE OF THIS PRODUCT OR ITS COMPOSITION OR ANY PART THEREOF, OR ANY RESTRICTION OR RESTRICTION 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 MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE SAFETY, EFFECTIVENESS, USE, OR PERFORMANCE OF THIS PRODUCT OR ITS COMPOSITION OR ANY PART THEREOF, OR ANY RESTRICTION OR RESTRICTION 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.

**DISPOSAL INSTRUCTIONS:**

- See inside leaflet for complete First Aid Instructions, Disposal Instructions. See inside leaflet for complete First Aid Instructions, Disposal Instructions. See inside leaflet for complete First Aid Instructions, Disposal Instructions. See inside leaflet for complete First Aid Instructions, Disposal Instructions. See inside leaflet for complete First Aid Instructions, Disposal Instructions.
**MERIT® 2F INSECTICIDE**

**GROUP 4A INSECTICIDE**

For foliar and systemic insect control in turfgrass (including sod farms), landscape ornamentals, fruit and nut trees and interior plantscapes.

**ACTIVE INGREDIENT:** *imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimin* ........................................ 21.4%

**OTHER INGREDIENTS:** .................................................. 78.6%

*Contains 2 pounds of imidacloprid per gallon.

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

**CAUTION**

PARA EL USUARIO: Si usted no lee o entiende inglés, no use este producto hasta que le hayan explicado completamente las instrucciones que figuran en la etiqueta.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

**STORAGE AND DISPOSAL**

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above.

In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Environmental Science Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577 or contact Chemtrec at 1-800-424-9300.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not reseal or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**ENVIRONMENTAL HAZARDS**

This product is highly toxic to aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Do not formulate this product into other end-use products.

**FIRST AID**

**If swallowed**
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If on skin or clothing**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.
- Do not remove clothing unless instructed to do so by a poison control center or doctor.
- If clothing is on fire, do not remove clothing. Stop the fire and cover the burning area with a layer of dry sand, dirt, or other dry material. Do not use water. Do not allow burning clothing to contact your skin. Use water to douse immediate flame only.

**If in eyes**
- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**Note 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. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Keep children or pets off treated area until spray is dry.

**Note To Physician:**
- No specific antidote is available. Treat the patient symptomatically.
- Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**FOR MEDICAL AND TRANSPORTATION EMERGENCIES ONLY Call 24 Hours A Day 1-800-334-7577**

**RESPONSE TELEPHONE NO. 800-334-7577**

**PULL HERE TO OPEN**

**Produced for:**
Bayer Environmental Science
A Division of Bayer CropScience LP
2 T. W. Alexander Drive
Research Triangle Park, NC 27709

**BACKED by BAYER**

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Bayer Environmental Science
A Division of Bayer CropScience LP
2 T. W. Alexander Drive
Research Triangle Park, NC 27709

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5 T. W. Alexander Drive
Research Triangle Park, NC 27709
**Evergreens**

- **Groundcovers**
- **Plantscapes**

**CROP PEST**

- White grub larvae (such as Japanese beetle larvae, Chafers, Asiatic garden beetle, Oriental beetle)
- Adelgids (including hemlock wolly adelgid)
- Mealybugs (including glassy-winged sharpshooter)
- Armored scales (including but not limited to: camellia, false oleander, Pecan* Yellow pecan aphid)
- Pine tip moth larvae
- Leafminers
- Leafhoppers, planthoppers, sharpshooters (including glassy-winged sharpshooter) and spittle bugs
- Saw fly larvae
- Whiteflies
- Soft scales
- Insects, including leaf-feeding beetles (including Japanese beetle, leaf bugs, and plant bugs)
- Aphids (except Wooly apple aphid)

**Foliar Applications:**

- Do not cover the area being treated. Do not use less than 2 gallons of water per 1000 sq ft. For optimal control, start treatments prior to establishment of high pest populations and reapply on a 7 to 10-day basis, based on a standard of 400 gallons of dilute spray solution per acre for large trees.

**Trees and Shrub Insecticides:**

- 2F Insecticide
- 1.5 fl oz (45mL) per 1000 sq ft (14 to 17mL) per 1 gal

**TREES, SHRUBS, FLOWERS and GROUNDCOVERS**

- Restricctions: Do not apply more than 1.6 pints (0.4 lb of active ingredient) per acre per year.
- Restriction: Do not apply more than a total of 18.0 fluid ounces of MERIT 2F Insecticide per acre per year.
- Restricctions: Do not make more than 3 applications.

**Fruit Insecticides:**

- **Apples**
- **Pomme Fruits**
- **Grapes**
- **Leaves**
- **Fruits**

**Important: Read Before Use**

- **Directions for Use:** Refer to the entire Directions for Use, Conditions, Disclaimers 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 terms and conditions and disclaimers of warranties and limitations of liability set forth in this product label.

**Precautionary Statements, Directions for Use and Storage and Disclaimers:**

- Keep out of reach of children.
- Avoid contact with eyes.
- Do not contaminate water sources.
- Do not contaminate food and feed items.

**DISCLAIMER OF WARRANTIES:**

- See inside leaflet for complete First Aid Instructions.
- TO THE EXTENT CONSISTENT WITH LAW, NO WARRANTIES ARE MADE EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE.

**LIMITATIONS OF LIABILITY:**

- No person nor entity shall have any cause of action against the manufacturer or seller of this product, or any of their respective agents, employees, successors, assigns, or distributors, and none of these persons or entities shall be liable for personal injury or property damage, including direct, indirect, consequential, special, incidental, or punitive damages resulting from the use or handling of this product.

- Buyer for any and all losses, injuries or damages resulting from the use or handling of this product, or failure to comply with the directions for use or storage, or in the case of the product, the purchase price paid or at Bayer CropScience LP’s election, the replacement of product.

- EPA Reg. No. 432-1312

- 100.0%
Note to Physician
In case of emergency call toll free the Bayer Environmental Science Emergency Response Telephone No. 800-334-7577.

PARA EL USUARIO: Si usted no lee o entiende inglés, no use este producto hasta que le hayan explicado completamente.

Applicators and Other Handlers who handle this product for any use covered by the Worker Protection Standard (WPS) who meet the requirements listed in the Worker Protection Standard must wear appropriate personal protective equipment (PPE) and restricted-entry interval. The requirements in this section only apply to uses of this product for any use covered by the Worker Protection Standard.

Merit 2F Insecticide is a systemic product and will be translocated upward into the plant system from root uptake. To assure

- Shoes plus socks
- or clothing

- Call a poison control center or doctor immediately for treatment advice.

- Have person sip a glass of water if able to swallow.

- Present, after the first 5 minutes, then continue rinsing eye.

- And TRANSPORTATION

- Keep children and pets off treated area until dry.

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

- Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

- Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CF R part 170. This product is designed for use as a foliar application to turf and vegetable crops. Exemptions from the Worker Protection Standard are allowed when and where use is regulated by state or local authorities.

- In general, agricultural plant uses e.g., use in sod farms, must wear:

- Use of Merit 2F Insecticide may result in contamination of food and feed if drift occurs. If drift occurs, food and feed contact must be avoided. Crop rotation and handle only when it is completely dry. To reduce the potential for drift, do not apply Merit 2F Insecticide when wind is a factor that could carry the product to unprotected areas. Do not apply when there is visible evidence of chafers, Oriental beetles, or Japanese beetles on the plant to be treated. For optimorum control of grubs, billbugs, annual bluegrass weevil, and European Crane Fly make application 2 weeks before the adult grubs or billbugs are expected to emerge.

- Do not apply more than 1.6 pt (0.4 lb of active ingredient) per acre per year.

- Do not mow turf or lawn area until after sufficient irrigation or rainfall has occurred so that uniformity of application will not be affected.

- APPLICATION TO TURFGRASS

- For optimorum control of grubs, billbugs, annual bluegrass weevil, and European Crane Fly make application 2 weeks before the adult grubs or billbugs are expected to emerge.

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