

# ADVANTAGE®

## SOIL PENETRANT

### CONTAINS NON-PLANT FOOD INGREDIENTS

#### ACTIVE INGREDIENT:

Ammonium Alkyl Ether Sulfate .....30.00%  
INERT INGREDIENTS (Water, Stabilizers) .....70.00%

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html>

## KEEP OUT OF REACH OF CHILDREN CAUTION

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** May be harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

### FIRST AID

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

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **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 IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 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. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

### GENERAL INFORMATION

**ADVANTAGE®** is a nonylphenol ethoxylate (NPE)-free surfactant. When **ADVANTAGE** is applied to the soil, improved water penetration results from a reduction of surface tension. Surface tension is the result of an attraction of water molecules with one another. The application of **ADVANTAGE** reduces the surface tension between the water molecules. This causes droplets to flatten out which increases overall surface area, thus improving water penetration. **ADVANTAGE** is also safe to apply around water and livestock and may be applied over young plants.

### DIRECTIONS FOR USE

The general recommended use rate is 4-12 fluid ounces per acre. Soil type and tillage method may affect the rate of application. (See also SOIL TYPE AND CONDITIONS.) **ADVANTAGE** should be mixed with water. The amount of water depends upon the type of equipment being used to apply the mix. However, a minimum of 5 gallons of TOTAL solution is recommended for ground applications, and a minimum of 2 gallons of TOTAL solution is recommended when applied by air.

**ADVANTAGE** can be applied via injection through irrigation systems. Inject 4-8 fluid ounces per acre during early growth stages. Apply 1-2 fluid ounces per acre during subsequent irrigation as needed. **ADVANTAGE** may be applied at any time throughout the growing season. However, most common application of **ADVANTAGE** is in the fall, post-harvest and spring, in the pre- and post-emergence applications.

### SPECIALTY APPLICATIONS

**ADVANTAGE** may be applied to turf areas, including but not limited to, greens, tees, fairways, athletic fields, lawns, and sod farms at 16-32 fluid ounces per acre (0.4-0.8 fluid ounce/1,000 sq. ft.). A minimum of 2 applications per year should be applied; spring and fall applications are recommended.

**ADVANTAGE** should be applied for localized dry spots at 16-32 fluid ounces per acre (0.4-0.8 ounce/1,000 sq. ft.). Mix **ADVANTAGE** in a hand sprayer at the rate of 1 fluid ounce per gallon of water. Makes enough solution to treat up to 2,000 sq. ft. Apply **ADVANTAGE** directly to problem area and surrounding area. If the problem persists, reapply in 15 days, and again at 60-day intervals throughout the growing season.

**ADVANTAGE** may be used in field nursery crops and tree farms, including Christmas trees. **ADVANTAGE** may also be used in potting media mixes. For potting media mixes, the recommended use rate is 32 fluid ounces per 10 yards of potting media.

### SOIL TYPE AND CONDITIONS

Incorporation is not necessary. When applying **ADVANTAGE** in heavy clay or severely compacted soil or in a no-till environment, 8-16 fluid ounces per acre rate is recommended. When applying **ADVANTAGE** under irrigation, 8-16 fluid ounces per acre rate is recommended.

### COMPATIBILITY AND MIXING

**ADVANTAGE** is believed to be compatible with most herbicides, fertilizers and pesticides. However, a jar test is recommended before tank mixing and application, especially when using multiple chemicals. (Do not use **ADVANTAGE** with chemicals that prohibit the use of surfactants.) To reduce foaming during mixing, add **ADVANTAGE** to tank mix after all water and/or other chemicals have been mixed. The use of a defoaming agent is also recommended.

### STORAGE AND DISPOSAL

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

**PRODUCT STORAGE:** Store in original container only and keep sealed. Store in closed storage areas. Use caution when moving, opening, closing or pouring.

**PRODUCT DISPOSAL:** Improper disposal of excess spray mixtures or rinsate is a violation of federal law. Wastes resulting from use of this product should be disposed of through onsite spray application or at an approved waste disposal facility.

**CONTAINER HANDLING:** Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

### IN CASE OF EMERGENCY, CALL CHEMTREC: (800) 424-9300

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

**ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.**

The Directions for Use of the product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS", AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BEYOND WHAT IS STATED ON THE LABEL. Buyer and User accept all risks arising from any use of this product, including without limitation, uses contrary to label instructions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.**

To the extent permitted by law, neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OF HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted, unless otherwise required by the law of the state of purchase, in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

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