

SOIL PENETRANT **ADVANTAGE**®



ADVANTAGE soil penetrant has the capability to penetrate the soil profile. ADVANTAGE reduces the surface tension of hydroscopic water (similar to the way wetting agents work on surface water) that is bound (adhered) to the soil colloids. It is the strength of this soil-water adhesion that can lead to soil compaction which often results in crusting, poor water infiltration, reduced aeration, high soil shear strength, and overall poor soil environment.

- 1** **Reduced Crusting & Clodding**
- 2** **Improved Root Growth**
- 3** **Easier Tillage**
- 4** **Increased Water Infiltration**
- 5** **Better Environment for Plant Health**

Improving soil quality,
one clod at a time.

INFORMATIONAL USE ONLY, NOT A LABEL • (800) 500-1698

May not be available in all states. Please contact your Wilbur-Ellis representative for product availability and registration.



WILBUR-ELLIS®

GENERAL INFORMATION

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. 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 ounce(s) per acre during subsequent irrigation as needed. ADVANTAGE may be applied at any time throughout the growing season. However, the 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, such as 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 ounces/1,000 sq. ft.). A minimum of two applications per year should be applied; a spring and fall application are recommended. ADVANTAGE should be applied for localized dry spots at 16-32 fluid ounces per acre (0.4-0.8 ounces/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. A defoaming agent, such as No-Foam, is also recommended.

