

# **TURFGRASS (ESTABLISHED WARM SEASON) - SUPPRESSION OF: KYLLINGA, ANNUAL AND GREEN**

## General Information

### General Information

This product is a stable combination of two herbicides. It provides postemergence control of annual, biennial and perennial broadleaf weeds in established turfgrass, including residential lawns, golf courses, parks, sports fields, sod farms and around commercial buildings and other recreational and commercial turfgrass areas.

### General Use Precautions and Restrictions

- Do not apply this product on dichondra, carpetgrass, bahiagrass, or to golf course putting greens or tees, or turfgrass containing desirable clovers.
- Do not apply this product directly to, or otherwise permit this product to come into contact with, flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious plant injury may occur.
- Do not apply to centipedegrass during the period of winter dormancy. Grass should be green and actively growing at application.
- The active ingredient in this product may leave residues in treated grass clippings which could be harmful to some plants and trees. Do not collect treated grass clippings for use as mulch around plants. The applicator must notify in writing the appropriate residences/individuals of this precaution when this product is applied by a lawn service/commercial applicator.
- To minimize the potential for turfgrass injury, allow four weeks between applications.
- Do not water, mow, or disturb treated area for 48 hours after application.

- Use this product on solid (monoculture) stands of perennial ryegrass or tall fescue at a maximum rate of 75 lb. per acre. Some yellowing of these turfgrasses may occur within two weeks of application. Any discoloration is transitory and will dissipate under adequate growing conditions.
- Apply this product to newly seeded or sprigged turfgrass only after the third mowing or after the turfgrass seedlings have developed an adequate secondary root system. Reseeding is not recommended for at least three to four weeks after application.
- Do not apply more than 200 lb. of this product per acre per application.
- Do not apply more than 300 lb. of this product per acre per year.

For Florida Applications:

- For application to sports turf (non-agricultural land planted exclusively for golf courses, parks and athletic fields), follow "SL191, 'Recommendations for N, P, K and Mg for Golf Course & Athletic Field Fertilization Base on Mehlich I Extractant'" available at <http://edis.ifas.ufl.edu/SS404>, or "BMP's for Enhancement of Environmental Quality on Florida's Golf Courses" available at <http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glfbmp07.pdf>.
- For application to urban turf (non-agricultural land planted in closely mowed, managed grasses except golf courses, parks and athletic fields), follow "Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries" available at [http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP\\_Book\\_final.pdf](http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP_Book_final.pdf).

Treatment on Turfgrass Species Not Listed on the Label for this product

Users who wish to use this product on turfgrass species not listed on this label may determine the suitability for use by treating a small area at a specified rate. Prior to treatment of larger areas, the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is tolerant. Applications should not be made to turfgrass under stress. The user assumes responsibility for any plant damage or other liability resulting from use of this product on turfgrass species not listed on this label.

Application Directions

Apply this product using a drop or rotary-type spreader designed to apply granules. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or turfgrass injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

To optimize performance, mow the turfgrass two to three days before applying this product. If the turfgrass is under moisture stress, a thorough sprinkler irrigation of at least 1/2 inch may be needed at least one to two days before application. For optimal results, apply this product in the morning when dew is present. If necessary, sprinkler irrigate with less than 1/4 inch of water just prior to application to maximize particle adherence to leaf surfaces. Avoid watering of treated area within 24 hours of application. Avoid making applications if rainfall is expected for 24 hours following treatment.

#### Application Techniques for Applying This Product

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.

#### Spreader Settings as a Guide for Calibration

Note: These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by The Andersons, Inc. or the

spreader manufacturer.

### Timing of Application

Possible re-treatment in approximately 30 days may be necessary if turfgrass is heavily infested with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed 300 lb. of this product per acre (6.8 lb. per 1,000 sq. ft.) per year because damage to turfgrass may occur. Do not make more than two applications per season.

Note: When applying to warm season turfgrass under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration. It is recommended to reduce application rates by 50% during hot, dry conditions to avoid possible dehydration or browning of turfgrass.

Best weed control results are obtained when this product is applied to small, actively growing weeds in the spring or early fall. Extreme growing conditions such as drought or near freezing temperatures prior to, at, or following time of application may reduce weed control. Broadleaf weed species germinate at different times.

### Limitations, Restrictions, and Exceptions

#### TURFGRASS (ESTABLISHED COOL SEASON)

##### Notes:

Established Warm Season Turfgrass: Use no more than 200 lb. of this product (0.06 lb. ai penoxsulam) per acre per application.

Centipedegrass: Do not apply to centipedegrass during the period of winter dormancy. Grass should be green and actively growing at application.

Fescue, tall (growing in warm season areas): Use this product on these species at a maximum rate of 75 lb. (0.02 lb. ai penoxsulam) per acre per application and only if some injury can be tolerated. A slight yellowing of turfgrass may occur within two weeks of application. The discoloration is transient and is generally gone within four weeks of treatment under adequate growing conditions.

Weeds Controlled or Suppressed: Generally, application rates at the lower end of the rate range will be satisfactory for young, succulent growth of sensitive weed

species. For less sensitive species and under conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds), the higher rate within the rate range or repeat applications will be needed. Weeds growing in the absence of competition from other vegetation generally require higher rates or repeat applications to obtain satisfactory control or suppression.

Kyllinga, annual and green (suppression only): Re-treatment may be necessary.

Note: When applying to warm season turfgrass under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration. It is recommended to reduce application rates by 50% during hot, dry conditions to avoid possible dehydration or browning of turfgrass.

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Method

[Broadcast](#)

Rates

[field rates 0](#)

[field rates 1](#)

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Restricted Entry Interval

24 hours

Timings

[Postemergence \(Weed\)](#)