

## **TURF (SOUTH) - CONTROL OF OTHER GRASS AND BROADLEAF WEEDS (PROGRAM 3)**

### General Information

#### GENERAL INFORMATION

This product is a herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs including golf course fairways, roughs and tee boxes. This product also provides post-emergent crabgrass control up to the 4-leaf stage. This product will not harm nearby established ornamentals when used according to label directions.

#### Limitations, Restrictions, and Exceptions

#### TURF (SOUTH)

##### Use Precautions:

**Turfgrass Safety:** This product may be used on seeded, sodded or sprigged lawns and ornamental turfs that are well established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to lawns and ornamental turfs that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product.

When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

**COOL-SEASON GRASSES:** Bentgrass, creeping\* (*Agrostis palustris*), Bluegrass, Kentucky (*Poa pratensis*), Fescue, fine\*\* (*Festuca rubra*), Fescue, tall (*Festuca arundinacea*), Ryegrass, perennial (*Lolium perenne*).

WARM-SEASON GRASSES: Bahiagrass (*Paspalum notatum*), Bermudagrass (*Cynodon dactylon*), Buffalograss\*\*\* (*Buchloe dactyloides*), Carpetgrass (*Axonopus affinis*), Centipedegrass (*Eremochloa ophiuroides*), Kikuyugrass (*Pennisetum clandestinum*), St. Augustinegrass (*Stenotaphrum secundatum*), Zoysiagrass (*Zoysia japonica*).

DO NOT apply this product to Colonial bentgrass (*Agrostis tenuis*) varieties.

\*Use of this product on certain varieties of creeping bentgrass, such as "Carmen", "Cohansey", or "Seaside" and "Washington" may result in undesirable turf injury. Not all varieties of creeping bentgrass have been tested. \*\*Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: "Atlanta", "Banner", "Beauty", "Bilgart", "CF-2", "Enjoy", "HF-93", "Highlight", "Ivalo", "Jamestown", "Koket", "Majenta", "Mary", "Pennlawn", "Tamara", "Tatjana", "Waldorf", and "Waldina". Not all varieties of fine fescues have been tested. \*\*\*DO NOT use this product on seedling buffalograss in the spring or the first year of establishment until the turfgrass is fully green and has established new roots.

NOTE: It is not possible to evaluate all turfgrass varieties for tolerance to 16-8-8 with 0.20% Dimension. It is suggested that the user evaluate the responses of turfgrass varieties to this product on a limited area, at recommended use rates, prior to initiating large-scale use.

Reseeding, Overseeding, or Sprigging: Reseeding, overseeding, or sprigging of treated areas with this product should be delayed until 12 weeks from the time of application. Reseeding, overseeding or sprigging before 12 weeks after application may prevent establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. If overseeding with perennial ryegrass in the fall, overseed 8 weeks or later after a single application. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed-to-soil contact.

Other Use Precautions: The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf or first tiller. For best results, cultural practices that disturb the soil such as core-, spike-, or hydro-aerification and verticutting, should be done before application of this product. DO NOT apply this

product until grass has recovered from these cultural practices. DO NOT use clippings from treated turf for mulching around vegetables or fruit trees. Keep children and pets out of treated areas until dust has settled.

## APPLICATION DIRECTIONS – Control of Crabgrass

### Preemergence and Early Postemergence Control

- This product provides “preemergence” control of crabgrass (including the large, smooth and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs.
- It can also provide “early postemergence” control of crabgrass. Postemergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first see the crabgrass plants in the lawn or turf. The practical benefit of this product’s early postemergence activity is that it can give the user a 2-4 week longer period of time to make applications to control crabgrass.

### Application Frequency and Timing:

- This product may be applied as a single application or as a split application for crabgrass control in the spring, summer or fall.
- DO NOT apply more than 5.74 lb. of this product/1,000 sq. ft. per application, and no more than 13.7 lbs. of this product per 1,000 sq. ft. per year. In New York State, this product may only be used by Professional Applicators at no more than 250 lbs. per acre (5.74 lbs./1,000 sq. ft.) (0.5 lb. active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

### Spring Applications:

- For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the control programs listed in Table 1 below, depending on the user's location, the turfgrass mowing height, and whether the use is preemergence or early postemergence at the time of application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

- Use Program 1 for preemergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.

- Use Program 2 for preemergence control at sites where (a) turfgrass is cut low (e.g. golf fairways), and (b) turfgrass maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control.

- Use Program 3 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways) and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control at sites where turfgrass is cut low (e.g., golf fairways).

- Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired.

- Where split fertilizer applications are recommended, the rates in Table 1 may be applied in two applications made 6-10 weeks apart and prior to crabgrass emergence.

\*DO NOT apply more than 5.74 lbs. of this product/1,000 sq. ft. per application, and no more than 17.22 lb. of this product/1,000 sq. ft., per year. In New York State, this product may only be used by Professional Applicators at no more than 250 lbs. per acre (5.74 lbs./1,000 sq. ft.) (0.5 lbs. active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties. Postemergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include

areas listed below.

North: All other areas.

Transition: DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH & coastal areas of CT, NY, & RI.

South: AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, & TX.

Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX.

### Fall Applications

- Use as directed in the fall at the Program 3 rates listed in Table 1 to control winter weed species and for crabgrass control through the early part of next spring.
- The fall application should be followed by an appropriate spring application to provide season-long control.

### Tips for Improved Control

- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result.
- Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.

### Control of other Grass and Broadleaf Weeds

### Spring Applications

Used as directed for crabgrass control in the spring, this product will also control (at the Program 3 rates) or suppress (at the Program 2 rates) the following weeds when applied prior to their emergence: barnyardgrass, bluegrass (annual, roughstalk), crowfootgrass, foxtail (green & yellow)\*, goosegrass, kikuyugrass, lespedeza (common), oxalis (buttercup, creeping & yellow woodsorrel), purslane (common), ryegrass (annual & perennial), smutgrass, speedwell (corn), spurge (prostrate & spotted).

\*Also controlled at the Program 2 rates.

### Fall Applications

Used as directed, this product will also control (at the Program 3 rates) or suppress (at the Program 2 rates) the following weeds when applied prior to their emergence: bluegrass (annual, roughstalk), bittercress, chickweed, geranium (Carolina), henbit, parsley-piert, pineappleweed, shepherd's purse.

### APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

#### Method

[Broadcast](#)

#### Rates

[field\\_rates 0](#)

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#### Timings

[Preemergence \(Weed\)](#)

## Early Postemergence (weed)