

# **TURFGRASS - CROWFOOTGRASS AND CRABGRASS - HIGH RATE**

## General Information

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product. Use only according to label instructions. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For most economical use, rates of this product should be based on anticipated weed population, time of application and length of growing season. A well-maintained turf with low weed infestations will require less herbicide for effective control than will a thin turf with low fertility, minimum maintenance and heavy traffic. Geographic areas with longer growing seasons require higher rates. When cultural practices require application of this product well in advance of weed seed germination, rates should be adjusted upward to compensate for normal breakdown of the active ingredient.

### GENERAL INFORMATION

This product is a selective, preemergent herbicide for control of many annual grasses and broadleaf weeds in established lawns and ornamental turfs, especially golf course fairways and roughs. This product controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination, by a combination of two different mechanisms. The two herbicides affect different parts of the weeds, which aids in providing excellent weed control while minimizing adverse affects to the turf. This product will not harm nearby established ornamentals when used according to label directions (avoid foliage contact).

## USE PRECAUTIONS

Do not apply to wet turf as discoloration may occur. Do not allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic use.

**TURFGRASS SAFETY:** This product may be used on 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.

Red (Fine) Fescue and Bentgrass are not tolerant of this product. The use of this product on turf containing Red Fescue or Bentgrass should be limited to situations where they are undesirable grasses.

Do not apply to Dichondra, Centipedegrass or newly seeded areas.

**RESEEDING, OVERSEEDING, OR SPRIGGING:** Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

**GOLF COURSE PUTTING GREENS AND TEES:** DO NOT use this product on golf course putting greens and tees because of the varying cultural practices used.

**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 the grass has recovered from these cultural practices.

Apply this product directly to established lawns or ornamental turfs only. DO NOT allow product or drift to contact foliage of flowers, vegetables, shrubs, or trees.

DO NOT use clippings from treated turf for mulching around vegetables or fruit trees. DO NOT apply this product to pastures. Keep people and pets off treated areas until product has been thoroughly watered in and grass has dried.

#### APPLICATION EQUIPMENT AND INSTRUCTIONS

For best results, water-in the product as soon as practical after application.

Thorough watering assures more even distribution of the herbicide and avoids gaps in coverage.

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.

Limitations, Restrictions, and Exceptions

#### TURFGRASS

#### APPLICATION DIRECTIONS

#### PREEMERGENCE CONTROL OF CROWFOOTGRASS (GOOSEGRASS) AND CRABGRASS:

This product provides \"preemergence\" control of crowfootgrass (goosegrass) and crabgrass when applied prior to the emergence of these weeds from the ground in established lawns and ornamental turfs. Crowfootgrass germinates somewhat later than crabgrass.

This product can provide \"early postemergence\" suppression of crabgrass during the early stages of crabgrass growth after the crabgrass has emerged from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Postemergence crabgrass suppression 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 easily see the crabgrass plants in the lawn or turf. So the practical benefit of this product's additional, early postemergence activity is that (compared to strictly preemergence crowfootgrass and crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still suppress crabgrass. This product is not intended to control large areas of established crabgrass, and must be used prior to crowfootgrass (goosegrass) for its control.

**Application Frequency and Timing:** For season-long control, this product should be applied as a single application in the spring for crowfootgrass (goosegrass) and crabgrass control.

DO NOT apply more than 400 lbs. per acre. (0.5 lbs. Dimension and 4.0 lbs. Ronstar AI/acre) per application, and no more than 600 lbs. per acre (0.75 lbs. Dimension and 6.0 lbs Ronstar AI/acre) per year, except in areas where there is a heavy weed infestation. In areas of heavy weed infestation, do not apply more than 800 lbs. of product per acre (1.0 lbs. Dimension and 8.0 lbs. Ronstar AI/acre) per year.

**Spring Applications:** For single applications made in the spring, this product should be applied at the appropriate rate corresponding to one of the two control programs listed in Table 1, depending on the user's location, the turfgrass mowing height, and whether the use is considered to be preemergence or early postemergence at the time of the 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 the High Rate Program for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and/or (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crowfootgrass (goosegrass) and crabgrass control, and so is especially useful in the southern and coastal south turf zones. South of Orlando, or

in areas that do not receive at least one frost which naturally controls crowfootgrass (goosegrass) and crabgrass, may require the use of a postemergent control product to eliminate existing weeds. This program also provides early postemergence crabgrass suppression at sites where turtgrass is cut low (e.g., golf fairways).

Area Classifications:

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

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

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

This product may cause temporary discoloration of Bermudagrass and St. Augustinegrass. This is normally outgrown within 2-3 weeks.

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.

Recommended Single Application Use Rates

High Rate:

200 lbs. per acre

Ronstar: 2.0 lbs. ai per acre

Dimension: 0.25 lbs. ai per acre

Method

[Broadcast](#)

Rates

[field\\_rates 0](#)

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Timings

[Preemergence \(Weed\)](#)