

# **TURFGRASS - COASTAL SOUTH - PROGRAM 1**

## General Information

### GENERAL INFORMATION

This product is NOT recommended for application by homeowners.

In the state of New York, this product may be applied by commercial applicators ONLY.

This product controls crabgrass, other annual grasses and broadleaf weeds in established lawns, ornamental turf (including golf course fairways, roughs and tee boxes), and landscape ornamentals.

This product will not control emerged weeds, except for control of crabgrass up to initiation of tillering because the tillering stage of crabgrass growth generally corresponds to the time when seedlings are first visible in established turfgrasses. Applying to crabgrass after tillering starts will not provide satisfactory control, and all other applications of this product should be made prior to germination of target weeds.

To be effective, this product must be activated by at least 0.5 inch of rainfall or irrigation. Applications should be timed to ensure that activation occurs prior to the tillering stage of crabgrass development or prior to germination of all other weeds.

### USE PRECAUTIONS

- Do NOT allow the pouches to become wet prior to adding them to the spray tank.
- Do NOT remove the water soluble pouches from the protective over wrap except to add them directly to the spray tank.
- Do NOT handle the pouches with wet hands or wet gloves.
- Always reseal over-wrap bag to protect remaining unused pouches.

### Limitations, Restrictions, and Exceptions

## WEED CONTROL IN TURFGRASS

NOTE: Do NOT use on golf course putting greens.

Apply this product to well-established seeded, sodded, or sprigged lawn and ornamental turf. Before applying this product for the first time following seeding, sodding or sprigging, the grass must have developed a good root system and uniform stand and have received at least two mowings. Turf injury may result if applied to turf that is not well-established, or has been weakened by weather, pest, disease, chemical, mechanical or other related stress.

1. Do NOT apply this product to Colonial bentgrass (*Agrostis tenuis*) varieties. Because undesirable turfgrass injury may result, using this product is not recommended on certain varieties of creeping bentgrass such as 'Cohansey', 'Carmen', 'Seaside', and 'Washington'. Not all varieties of creeping bentgrass have been tested.
2. Because undesirable turfgrass injury may result, application is not recommended on the following fine fescue varieties that 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 fescue have been tested.
3. Because undesirable turfgrass injury may result, applying this product on 'Tifgreen' (328) hybrid bermudagrass greens is not recommended.
4. Do NOT use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

### Use Precautions

- Early postemergence applications will control crabgrass only if applied prior to the fifth leaf (first tiller) stage of growth of crabgrass.
- For best results, cultural practices that disturb the soil (such as core-, spike-, or hydro-aerification, and verti cutting) should be done prior to application of this product. Do NOT apply this product until the grass has recovered from these cultural practices.

- Do NOT use clippings from treated turf for mulch around vegetables or fruit trees.
- Do NOT graze livestock or feed foliage cut from areas treated with this product.
- Do NOT apply this product through any type of irrigation system.

### Reseeding, Overseeding, or Sprigging

Establishment of desirable turfgrasses may be inhibited if a single application of this product is applied within 10 weeks prior to reseeding, overseeding, or sprigging of treated areas or 4 months after a split application program totaling more than 0.46 oz. per 1000 sq. ft. (1.25 lbs. per acre). If slight injury to perennial ryegrass can be tolerated, perennial ryegrass may be overseeded on bermudagrass within 6 to 8 weeks after an application.

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.

### APPLICATION DIRECTIONS

Apply this product using conventional liquid application equipment (including hand-held spray guns) and a sufficient volume of carrier solution to provide a uniform spray distribution. Due to variability in application use rates and spray patterns, do not apply this product using liquid application equipment that uses cluster spray nozzles or other boomless spray equipment. Prior to use, be sure to calibrate the application equipment. To avoid streaking, skips, or excess overlaps, use marker dyes or foams to assist in making accurate applications.

### Crabgrass Control

#### Preemergence and Early Postemergence Control

When applied prior to the emergence of crabgrass from the ground, this product provides preemergence control of crabgrass (including the large, smooth and southern species) in established lawns and ornamental turf. During the early stages of crabgrass growth (after the crabgrass has emerged from the ground), this product also provides early postemergence control of crabgrass.

Early postemergence crabgrass control occurs only when this product is applied

prior to crabgrass tillering, or approximately when you can first easily see the crabgrass plants in the lawn or turf. This provides the practical benefit of extending the application period by 2 to 8 weeks (depending on crabgrass growth rates and climatic conditions) when compared to strictly preemergence crabgrass control products.

### Application Frequency and Timing

For crabgrass control in the spring, summer, or fall, apply this product as a single application, a split application, or as a sequential application.

### Spring / Early Summer Applications

Apply at the rate recommended by the appropriate control programs for your area and conditions. The total rate applied directly impacts the duration of residual weed control, but will also vary somewhat depending upon the weather, severity of weed pressure, turfgrass competitiveness, and the user's location.

Use Program 1: This program provides 3 to 5 months of preemergence control and early postemergence control of crabgrass up to the 3-leaf stage in sites when turfgrass is cut relatively high (such as homeowner lawns).

a. In the state of New York, this product may only be used by commercial applicators at no more than 1.25 pounds per acre (20 ounces) or 4 water-soluble pouches per acre per year (0.5 lb a.i./acre/yr). In Nassau and Suffolk counties of New York do not exceed 0.625 pounds of product per acre (10 ounces) or 2 water-soluble pouches per acre per year (0.25 lb active ingredient).

b. The water-soluble bag is NOT designed to be re-measured or subdivided and should not be opened.

Treat an appropriate number of acres to use a whole number of bags.

c. Preemergence applications totaling more than 0.5 lb. a.i. per acre (greater than 1.25 lbs. per acre of product) must be applied as a split application. The recommended interval for split applications is 5 to 10 weeks apart. Early postemergence applications are limited to 0.5 lb. a.i. per acre (1.25 lbs. of product) per application.

d. For this climatically diverse region, use the higher rates in local areas with longer

crabgrass seasons.

### Maximum Use Rates

Do NOT apply more than 0.5 lb. a.i. per acre per application or more than 1.5 lb. a.i. per acre per year using split or sequential applications. This is equivalent to 4 water-soluble pouches per acre or 0.46 oz. per 1000 sq. ft. (1.25 lb. per acre of product) per application and 12 water-soluble pouches per acre or 1.38 oz. per 1000 sq. ft. (3.75 lbs. per acre of product) per year.

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### Fall Applications

To control crabgrass through the early part of the following spring, apply this product in late summer or early fall (late August through November) at the "Program 3" use rates listed in the table above. For season-long weed control, follow the fall application with an appropriately timed spring application being sure to not exceed maximum use rates listed above.

Note: Because this product will not control emerged broadleaf weeds or grasses (with the exception of crabgrass up to tillering stage of development), the area to be treated should be free of weeds prior to application.

21,780: # of sq. ft. per Pouch per Treatment

### Rates

2 + 2 pouches / acre

0.625 + 0.625 lbs / acre

0.25 + 0.25 lbs a.i. / acre

### Method

[Spray](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[Preemergence \(Weed\)](#)