

## **WARM SEASON - BERMUDAGRASS TIFGREEN (GOLF COURSE GREENS)**

General Information

### USE INFORMATION

Podium for turf growth management reduces the frequency of mowing and the amount of grass clippings by reducing the vertical growth of warm- and cool-season turfgrasses. Other benefits, such as increased turf density, increased color, and increased turf quality, are frequently observed after Podium applications.

Podium can be applied to well-maintained, quality turfgrass areas, such as residential and commercial lawns, golf courses, sod farms, sports fields, cemeteries, and similar areas. Podium is useful in the management of difficult-to-mow areas and can be used to minimize the need for edging turfgrass along sidewalks, curbs, parking lots, driveways, flower beds, fences and around posts, storage sheds, and trees.

### Turf Pre-Stress Conditioning

Multiple Podium applications along with cultural practices such as fertilization, irrigation, drainage, mowing height, etc., will delay the onset of stress, improve stressed turfgrass survival, and enhance turf's recovery from stress.

Apply Podium to healthy, actively growing turf before the onset of stress and continue to apply Podium throughout the growing season as long as the turf remains healthy.

Turfgrass root-mass is often greater in Podium treated turf than in similar, untreated turf. As turf top growth slows, energy is redirected to below-ground plant parts, and root and rhizome production increases. Research has demonstrated that Podium may also enhance the performance of fungicides. Monthly applications of Podium at the label rate or more frequent applications at lower label rates strengthen the turfgrass to help it resist disease. In addition, if mowing is less frequent, and leaf material removal is reduced, contact and systemic products stay at effective concentrations on or in the turf longer.

Multiple applications of Podium will reduce water use and improve drought tolerance. Podium applications result in smaller, more compact turfgrass, and leaf area is reduced for transpiration. Increased turf density reduces moisture loss from soil evaporation, and additional soil moisture is available due to increased root depth and mass. Podium may increase carbohydrate levels which have been shown to enhance heat and cold tolerance. Repeat applications will improve turf quality in areas of reduced light intensity when applications begin while the turf is still healthy.

Podium reaches the growing point by foliar uptake and is rainfast from rainfall or irrigation after one hour. Watering-in is not necessary for activation.

The rates presented in the Application Rate Table provide approximately 50% growth inhibition over a 4-week period with little or no discoloration of turf growing under favorable conditions.

**Application Near and Around Monuments and Hardscape Materials:**

Podium, at normal dilution rates, will not stain brass, bronze, concrete, marble, granite, or other types of stone. Before using Podium around other materials, test on a small scale basis first.

**NOTICE TO USER:** Plant tolerances to Podium have been found to be acceptable for the grasses listed on the label. Due to the large number of species and cultivars of grasses, it is impossible to test every one for tolerance to Podium. Neither the manufacturer nor the seller has determined whether or not Podium can be used safely on grasses not specified on the label. The professional user should determine if Podium can be used safely prior to commercial use. Before using Podium for grasses not listed in the application table, test Podium on a small scale first. Apply the lower rate for the turf setting (lawn, fairway, etc.) and evaluate for phytotoxicity

and growth inhibition to widespread use.

Notes: (1) Areas treated with Podium should continue to receive regular maintenance practices, including irrigation; fertilization; and weed, disease, and insect control when necessary, and as recommended for quality turf. Because some herbicides can injure turf, tank mixes with Podium should be tested on a small scale before widespread use. (2) Podium may cause temporary yellowing. This usually disappears about one week after application. To minimize yellowing and to enhance the green color of turf, apply readily available nitrogen at 0.2-0.5 lb of actual nitrogen per 1,000 sq ft. If desirable, rates of iron per 1,000 sq ft can also be used. (3) Full growth regulation by Podium begins at about 3-5 days after application.

#### APPLICATION PROCEDURES / RESTRICTIONS

Applications of Podium can be made as frequently as weekly during the growing season, however, DO NOT exceed a total of 7.0 fl. oz./1,000 sq. ft. (305 fl. oz./A; 19.0 pt./A) per year.

The rates presented in the Application Rate Table provide approximately 50% growth inhibition over a 4-week period with little or no discoloration of turf growing under favorable conditions. If applications of Podium are made on a weekly or biweekly basis, reduce the lowest rate in the table by at least 50% for the first application and monitor the turf growth to adjust application rate for the desired growth suppression.

#### Application Equipment

Podium may be applied with backpack sprayers, hand sprayers, boom sprayers, and with spray gun application devices. Clean spray equipment thoroughly before use. Make sure the sprayer is capable of accurate and uniform application. Calibrate the sprayer before applying Podium. Rinse sprayer with clean water after use and dispose of rinsate in an approved manner.

#### Application Timing

Apply Podium to actively growing turf. If turf is going into dormancy because of high or low temperatures or lack of moisture, apply a lower rate of Podium.

Repeat applications of Podium may be made as soon as the turf resumes growth or more suppression is desired.

Environmental conditions, management, and cultural practices that affect turf growth and vigor will influence the response of the turf to Podium applications. Fertility level, moisture availability, plant vigor, height, and frequency of mowing, etc. have been shown to influence the activity of Podium.

### Mowing

Generally, Podium provides more suppression when turfgrasses are maintained at lower mowing heights than higher mowing heights. Application rates have been selected for typical mowing heights. The application rate may need to be adjusted depending on actual mowing conditions. To minimize possible turf injury, apply Podium, then wait at least 4 hours before mowing or mow first, wait at least 1 hour, then apply Podium.

Excessive turf growth, which may occur with high fertilization or during spring flushes, may require higher rates of Podium. Under these conditions, Podium rates may need to be increased up to 50% to provide an adequate length of control.

For extended growth suppression, when temporary discoloration can be tolerated, a maximum of twice the Podium rate from the Application Rate Table may be applied.

Podium use rates may need to be reduced up to 50% for turfgrass grown under conditions of low fertility, compaction, or other factors which stress the turf.

Precautions: (1) Do not apply Podium through any type of irrigation system. (2) Do not graze areas or feed clippings to livestock.

### Limitations, Restrictions, and Exceptions

#### NOTE

The rates recommended should provide 50% suppression of turf growth with minimal yellowing for 4-weeks under good growing conditions.

Seedheads: At rates equal to or higher than the rates in Table 1, PROVAIR PGR provides seedhead suppression of hybrid bermudagrass, and partial seedhead suppression of annual bluegrass, bahiagrass, buffalograss, carpetgrass, common

bermudagrass, Kentucky bluegrass, and tall fescue. PROVAIR PGR must be applied prior to seedhead formation. Do not apply more than 7.0 fl. oz./1000 sq. ft. per year.

Precautions:

- (1) Do not apply PROVAIR PGR through any type of irrigation system.
- (2) Do not graze areas or feed clippings to livestock.

Method

[Spray](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Timings

[To actively-growing turf.](#)