

WARM - SEASON GRASSES - BERMUDAGRASS, OVERSEEDING - GOLF COURSE GREENS

General Information

GENERAL INFORMATION

Armor Tech PGR 113 is a plant growth regulator and is an odorless micro emulsion concentrate (MEC). Armor Tech PGR 113 mixes completely with water and may be tank mixed with many commonly used pesticides and liquid fertilizers.

Armor Tech PGR 113 is effective only by absorption through the grass foliage and not by plant uptake of the product through the soil. Within one hour after application, Armor Tech PGR 113 will not wash off the grass foliage. A number of factors affect the activity and performance of Armor Tech PGR 113 when used for growth management of turfgrasses including, but not limited to, the following:

- environmental conditions
- turfgrass management and cultural practices that affect grass growth and vigor
- level of plant fertility
- availability of moisture
- plant vigor
- state of grass growth

Watering-in is not necessary for activation of Armor Tech PGR 113.

TURFGRASS: Armor Tech PGR 113 reduces the growth of warm- and cool-season turfgrasses. When used according to directions for turf growth management, Armor Tech PGR 113 reduces the frequency of mowing and the amount of grass clippings generated by mowing. Armor Tech PGR 113 applications may also increase the color, quality and density of turf.

Armor Tech PGR 113 can be applied to the following sites that have wellmaintained, quality turfgrass areas:

- lawns (residential and commercial)
- golf courses
- sod farms
- sports fields, cemeteries, and similar areas
- difficult-to-mow areas

Armor Tech PGR 113 minimizes the need for edging of turfgrass along sidewalks, curbs, parking lots, driveways, flower beds, fences and around posts, storage sheds, and trees.

PRECAUTIONS

- Normal recommended cultural practices (such as irrigation; fertilization; and weed, disease and insect control) should continue when necessary in areas treated with Armor Tech PGR 113. to ensure quality turf.
- Because some herbicides can injure turf, tank mixes with Armor Tech PGR 113 should be tested on a small scale before widespread use. See the directions for testing in the TANK MIX COMPATIBILITY TEST section in the label.
- Armor Tech PGR 113 may cause temporary yellowing of turfgrass which usually disappears about one week after application. If readily available nitrogen (0.2-0.5 lb. of actual nitrogen per 1,000 sq. ft.) is applied to turfgrass, the yellowing is minimized and the green color is enhanced. Alternatively, recommended rates of iron per 1,000 sq ft. can also be used.
- Regulation of full growth by Armor Tech PGR 113 usually begins at 3-5 days after application.
- If using Armor Tech PGR 113 in a tank mixture, observe all directions for use, sites, use rate dilution ratios, precautions and limitations, which appear on the tank-mix product's label. Do not exceed any label use rate and follow the most restrictive label precautions and limitations. This product should not be applied with any

product which prohibits such mixing.

- Do not apply Armor Tech PGR 113 through any type of irrigation system.
- Do not graze areas or feed turfgrass clippings to livestock.

APPLICATION RATES AND TIMING

Apply Armor Tech PGR 113 to actively-growing turf. Use the lower rate of Armor Tech PGR 113 in situations when turf is going dormant due to high or low temperatures, or to lack of moisture.

A repeat application(s) of Armor Tech PGR 113 may be made as soon as the turf resumes growth or if more suppression is desired. Do not apply more than 7.0 fl. oz. per 1,000 sq. ft. per year.

The Application Rate Tables in the label provides use rates that lead to approximately 50% growth inhibition over a 4 week period and produce little or no discoloration of turf when turf is growing under favorable conditions.

High fertilization and spring flushes may cause excessive turf growth which may require higher rates of Armor Tech PGR 113. Under these conditions, increase the Armor Tech PGR 113 rate up to 50% to ensure an adequate length of control.

A maximum of twice the recommended Armor Tech PGR 113 rate from the Application Rate Tables may be applied in order to ensure extended growth suppression of up to 8 weeks and when temporary discoloration can be tolerated.

A reduction of up to 50% of the Armor Tech PGR 113 use rates may be needed for turfgrass grown under conditions of low fertility, compaction, or other factors which leads to stress of the turf.

Repeat applications of Armor Tech PGR 113 are permitted during the growing season, but do not exceed a total of 7.0 fl. oz. per 1,000 sq. ft. (305 fl. oz. per acre which is equivalent to 19.0 pts. per acre) per year.

Refer in the label for tank mix information.

Limitations, Restrictions, and Exceptions

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To prepare bermudagrass for overseeding: use 0.25 oz. per 1,000 sq. ft. on golf greens.

In addition to normal turfgrass cultural practices, Armor Tech PGR 113 applications to Bermudagrass enhance the establishment of cool-season turfgrasses and help ensure new seedling vigor and growth, will result in fewer clippings, and less maintenance traffic on new seedlings. Since Armor Tech PGR 113 is foliarly-absorbed, germination and seedling growth is unaffected by Armor Tech PGR 113.

Apply Armor Tech PGR 113 1 to 5 days before seeding, and before verticutting, scalping, spiking, or other similar operations to the bermudagrass.

Aggressive application rates of Armor Tech PGR 113 may cause temporary initial discoloration of turfgrass. To avoid discoloration, use the normal seeding rates for your area and turf setting (lawn, fairway, etc.). The success of overseeding will depend on a number of factors including growing conditions, fertilization, rainfall, and other agronomic and environmental conditions.

Method

[N.A.](#)

Rates

[field rates 0](#)

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Restricted Entry Interval

0 days

Timings

[N.A.](#)