

## **BERMUDAGRASS, ZOYSIAGRASS, BUFFALOGRASS AND ST. AUGUSTINE - ANNUAL SEDGE, BLACK MEDIC, ETC.**

### General Information

#### GENERAL INFORMATION

Monument 75WG is a selective herbicide, applied after emergence of weeds, for control of certain weeds in established turf. Monument 75WG consists of water dispersible granules that must be thoroughly and uniformly mixed in water and applied as a spray.

The degree of control resulting from application of Monument 75WG is primarily dependent upon weed species, weed size at application, environmental conditions, amount of Monument 75WG applied, and growing conditions. Weed control is greatly improved when weeds have emerged, ample soil moisture exists, and weeds are actively growing, than when the soil is dry and weeds are under stress from lack of moisture.

Growth of susceptible weeds is inhibited soon after application of Monument 75WG. The leaves of susceptible plants normally turn yellow, red or purple after several days, followed by necrosis and death of the growing point. Complete plant death occurs 1-3 weeks after application, depending upon weed species, growing conditions, etc.

Monument 75WG controls weeds by inhibiting (stopping) a biochemical process that produces certain essential amino acids necessary for plant growth. The inhibited enzyme system is acetolactate synthase (ALS). Certain weeds species have naturally occurring biotypes within the population that are resistant to ALS inhibiting herbicides. Applications of ALS inhibiting herbicides used alone in the same area(s) continuously over a number of years can lead to an increase within a weed population of the ALS-resistant biotype(s). This, in turn, may reduce the utility of ALS inhibiting herbicides for controlling entire populations of that particular weed species. To prevent or delay a build-up of ALS resistant weed species biotypes, weed management programs should include the use of appropriately registered herbicides, for use on turf and for control of these weeds, with different modes of action (MOA's) within the same year, or sequential years. Hand weeding before

weeds set seed may also be helpful in reducing the build-up and spread of herbicide resistant biotypes.

## APPLICATION PROCEDURES

Ground Application: Spray nozzles should be uniformly spaced and of the same size, and should provide accurate and uniform application. Use spray nozzles that provide medium droplets.

To help ensure accuracy, calibrate sprayer at the beginning of the season before use and recalibrate frequently. For ground application, use a minimum of 20 gals. of water per acre. Always include a nonionic surfactant spray adjuvant, cleared for application to growing crops in the spray mixture (see the Mixing Instructions section).

Aerial Application Prohibition: Do not apply Monument 75WG aerially.

## Notes

- A repeat application may be needed 4-6 weeks after application for optimum weed control.
- There is a maximum yearly application rate of 1.7 oz. per acre.
- Monument 75WG may reduce leaf elongation of bermudagrass, buffalograss and zoysiagrass and suppress expression of seedheads.
- Not for use on home lawns in California.

## USE PRECAUTIONS

- Monument 75WG can potentially move with excess water and by turf equipment and foot traffic onto sensitive turf species such as ryegrass and bentgrass after application. Do not apply product close to these sensitive turf species. Do not apply product on saturated soils or severe slopes. To reduce potential movement, water-in lightly 2-3 hours after application to remove product from turf foliage before resuming normal irrigation practices. Allow turf to dry before allowing traffic onto treated areas.

- Monument 75WG may cause temporary discoloration of St. Augustine and reduced growth rate.
- Do not use on turfgrasses other than those listed (unless listed under weeds controlled) or severe injury may result.
- Do not apply to newly seeded, sodded or sprigged turfgrass. Delay applications for at least 4 weeks after sprigging, seed emergence, or sodding.
- Allow at least 3 weeks between last application and overseeding with cool season grasses for winter cover.
- Some ornamental plants are very sensitive to Monument 75WG. Avoid applications to areas where product may accumulate under the drip line of trees and product may come in contact with roots of desirable plant or injury may occur. Do not use fresh clippings from treated areas as mulch around trees, shrubs, or in vegetable/flower gardens.
- Do not apply by air or through any type of irrigation system.
- To minimize drift to non-target plants, do not spray if winds are above 10 mph, use large droplet size and pressure appropriate for type of nozzles used to produce medium to large droplet sizes.
- Avoid applications when turfgrasses are under stress since injury may result.
- Do not replant any crop to treated areas other than turfgrasses for a period of 12 months after application.
- Applications should be made to actively growing weeds.
- Do not tank mix with an organophosphate insecticide or nematicide as unacceptable injury to the turf may occur.

Refer to the label regarding tank mix informations.

Limitations, Restrictions, and Exceptions

BERMUDAGRASS, ZOYSIAGRASS, AND BUFFALOGRASS ST. AUGUSTINE (ST. AUGUSTINE LIMITED TO SOD PRODUCTION ONLY)

For use in the following states: AL, AR, AZ, CA, CO, DE, FL, GA, HI, IL, IN, KS, KY, LA, MD, MO MS, NC, NJ, NE, NM, NV, OH, PA, SC, TN, UT, VA, OK, TX, and Puerto Rico.

Monument 75WG is a selective herbicide for post-emergent control of sedges, certain grasses and broadleaf weeds in bermudagrass, zoysiagrass, buffalograss and St. Augustine turf. Monument 75WG may be applied to St. Augustine when grown for production of sod only. Monument 75WG may be applied to bermudagrass, zoysiagrass and buffalograss on golf courses, sod farms, sport fields, residential properties (except in California) including home lawns, and other non-residential turf areas such as airports, cemeteries, commercial buildings, and similar sites.

Monument 75WG is a systemic post-emergent herbicide. After application, growth of susceptible weeds will cease, leaf tissue will become necrotic and death will occur in 2 to 4 weeks. Even tolerant turfgrass species may exhibit a reduction in rate of leaf growth and inhibition of seedhead formation. Apply to actively growing weeds during early stages of development for best results. For optimum performance avoid mowing for 1 to 2 days prior to, and following application. It is recommended that a non-ionic surfactant of at least 80% active be added to the spray solution at 0.25 to 0.5 % v/v ratio. Other surfactants such as methylated seed oil (MSO) or crop oil concentrate (COC) can be effective as well, but some may cause temporary discoloration of the turf.

If pH of water carrier is less than 5.5, use a buffer solution to raise pH to near 7.0. Do not mix with acid forming compound in the spray tank. Control of susceptible weeds may not occur for up to 4 weeks after treatment.

## Application Rates

### Spot Treatments with Backpack Sprayers

Dissolve 0.0176 oz. (0.5 gram) of Monument 75WG per 2 gallons of water add 20 mL (2/3 oz.) of a nonionic surfactant and spray mixture at a rate of 2 gallons per 1000 square feet.

### Note:

Bahiagrass, Torpedograss, Dallisgrass, Crabgrass: Suppression means significant activity, but not always at level considered acceptable for commercial weed. Repeat

in 4 to 6 weeks.

Repeat applications may be needed in 4 to 6 weeks.

Method

[Spot treatment](#)

Rates

[field rates 0](#)

[field rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[Postemergence \(Weed\)](#)