



Product Use Guide and Technical Fact Sheet

A selective herbicide for control of annual and perennial sedge, grass, and broadleaf weeds in highly managed turf sites

Certainty™ herbicide is formulated as a water dispersible granule (WDG).

ACTIVE INGREDIENT:

Sulfosulfuron.....	75.0%
OTHER INGREDIENTS:	25.0%
	<u>100.0%</u>

This product is protected by U.S. Patent Nos. 5,017,212 and 5,534,482. No license granted under any non-U.S. Patent(s).

This product use guide is provided for general information only.

- This pesticide product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all federal, state and local laws and regulations regarding the use of pesticides.
- Before using any pesticide, be sure the intended use is approved in your state or locality.
- Your state or locality may require additional precautions and instructions for use of this product that are not included here.
- Although this product use guide may appear similar to the label on a product you are now using, it has important differences. You must have the EPA-approved labeling with you at the time of use and must read and follow all label directions.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the pesticide you are using.

Background

Productive and functional warm season turfgrass requires management to maintain desired turf quality. Often, undesirable weed species invade and become established, crowding out the desired grasses and degrading turf quality. One of the most difficult weed management challenges is controlling annual and perennial sedges, particularly in irrigated golf course and highly managed homeowner turf sites.

This guide is intended to offer background information and useful guidelines to consider when using **Certainty Turf Herbicide** as an aid to selectively remove or suppress established sedge weed infestations in warm season turfgrass.

How to Control Sedges in Warm Season Turfgrass

- Use 1.25 ounces per acre of Certainty with 0.25% v/v of a nonionic surfactant in 20 to 40 gallons per acre as a broadcast application.
- Use flat fan nozzles or equivalent made for applying post emergence herbicides. Avoid using flooding or hollow-cone nozzles meant for fungicide application.
- For best results, a second application of 1.25 ounces per acre of Certainty with 0.25% v/v of a nonionic surfactant may be made as needed, 6 to 10 weeks after the initial application.

Other Considerations for Using Certainty for Sedge Control

Sites of Application

- Certainty may be applied to common and hybrid bermudagrass, zoysiagrass, centipedegrass, St. Augustinegrass and kikuyugrass turf.
- This product is labeled for use in commercial and residential turf and on other non-crop sites, including golf course fairways, roughs and tees (do not apply directly to or within 4 feet of golf course putting greens), airports, cemeteries, fallow areas, landscaped areas, public recreation areas, residential property, roadsides, schools grounds, sod or turf seed farms, sports fields, and landscaped areas with established woody ornamentals.
- Avoid application of Certainty when turfgrass or sedges are under stress since turf injury and poor sedge control may result.
- Do not apply this product over-the-top or allow spray to contact any stem or foliage of any annual, biennial or perennial landscape plant since injury may result.

Sedge Stage of Growth and Levels of Infestations

- Certainty when applied under the conditions as recommended by the label (see Certainty label for all use directions and precautions) will control:
 - Purple nutsedge
 - Yellow nutsedge
 - Green Kyllinga
 - False-green Kyllinga
 - Fragrant Kyllinga
 - Annual sedges
 - Other grass and broadleaf weeds (see Certainty label for full listing)
- Begin applications of Certainty when sedge populations have become objectionable. Time application to occur between regular mowings. For best results, do not mow turf for two days prior or two days after application. This will allow the sedge to develop some leaf surface to intercept herbicide spray.
- Sedges are best controlled when treated in the 3 to 8 leaf stage of development. Large or well established sedge populations will require a second treatment for best results.

Refer to product label for Complete Directions for Use. Always read and follow pesticide label directions.

Check the latest registration status with your Monsanto representative.

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