

# **TURFGRASS - PREEMERGENCE APPLICATION**

## General Information

### Product Information

Dimension Ultra 40WP specialty herbicide provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns, commercial sod farms, ornamental and sports turf, sport fields, golf course fairways, roughs, tee boxes, unimproved turfgrass areas, container-grown ornamentals, field-grown ornamentals, landscape ornamentals, non-cropland (see list above), natural areas and Christmas trees.

This product will not control established weeds, except for crabgrass in early stages of growth. For optimum control, applications of this product should be made preemergence (prior to germination of target weeds).

This product is most effective when activated by 1/2 inch or more of rainfall or irrigation. To optimize control, ensure that activation has occurred prior to germination of most grass and broadleaf weeds.

Chemigation: Do not apply this product through any type of irrigation system.

### Grass and Broadleaf Weeds Controlled by Dimension Ultra 40WP

Used as directed, Dimension Ultra 40WP controls annual grass and broadleaf weeds listed in the table of the label below if applied preemergence. This product will not control emerged broadleaf weeds or grasses, except for crabgrass in early stages of growth.

## Uses

### Weed Resistance Management

Dithiopyr, the active ingredient in this product, is a Group 3 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population may contain or develop plants resistant to Group 3 herbicides.

Resistant weeds may dominate the weed population if these herbicides are used repeatedly in the same field. Such resistant weed plants may not be effectively managed using Group 3 herbicides but may be effectively managed utilizing other herbicides alone or in mixtures from a different herbicide Groups that are labeled for control of these weeds and/or by using cultural or mechanical practices.

However, a herbicide mode of action classification by itself may not adequately

address specific weeds that are resistant to specific herbicides. Consult your local company representative, state cooperative extension service, professional consultants or other qualified authorities to determine appropriate actions for treating specific resistant weeds.

### Best Management Practices

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistant weeds. Scouting after a herbicide application is important because it can facilitate the early identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant weed populations is to implement measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively. Cleaning equipment between sites and avoiding movement of plant material between sites will greatly aid in reducing the spread of resistant weed seed.

### Limitations, Restrictions, and Exceptions

#### Turfgrass

Use Dimension Ultra 40WP on seeded, sodded, or sprigged lawns, ornamental turfs and unimproved turfgrass that are well-established. Newly established turf must have developed a good root system and a uniform stand, and have received at least two mowings following seeding, sodding, or sprigging before making the first application of this product. Note precautions below for sodding. Use of this product on turf that is not well-established, or has been weakened by weather, pest, disease, chemical, mechanical or other related stress, may result in turf injury.

#### Use Precautions:

- Dimension Ultra 40WP will prevent the germination of annual bluegrass. Dimension Ultra 40WP will not affect established annual bluegrass. If maintenance of annual bluegrass is desired, using this product during the time of annual bluegrass germination is not recommended. In the states of AZ, CA, NV, OR, WA, NM, ID, MT and UT, Dimension Ultra 40WP may contribute to the thinning or stand reduction in established stands of annual bluegrass.

- To avoid turfgrass injury, do not apply to newly set sod until the sod has rooted and exposed edges have filled in.
- For best results, cultural practices that disturb the soil, such as verticutting and core-, spike-, or hydro-aerification, should be done before applying this product.

#### Use Restrictions:

- Do not apply this product to golf course putting greens.
- Do not harvest sod before 3 months after an application.
- Do not apply this product until the turfgrass has recovered from cultural practices such as verticutting or core-, spike-, or hydro-aerification.
- Do not use clippings from treated turf for mulching around vegetables or fruit trees.
- Do not apply this product through any type of irrigation system.
- Do not apply more than 0.5 pound active ingredient per acre per application. This is equivalent to 4 water-soluble pouches per acre or 0.46 oz/1000 sq ft (1.25 lb/acre of product) per application.
- Do not apply more than 1.5 pound active ingredient per year using sequential applications. This is equivalent to 12 water-soluble pouches per acre or 1.38 oz/1000 sq ft (3.75 lb/acre of product) per year.
- Do not graze livestock or feed foliage cut from areas treated with this product within 365 days of treatment.
- In New York State, this product may be used by commercial applicators only, at no more than 1.25 pounds (20 ounces) or 4 water-soluble pouches per acre per year (0.5 lb active ingredient). In Nassau and Suffolk counties of New York, do not exceed 0.625 pounds (10 ounces) or 2 water-soluble pouches of this product per acre per year (0.25 lb of active ingredient).

#### Reseeding, Overseeding, or Sprigging

Reseeding, overseeding or sprigging of treated areas within 3 months after a single application of this product, or within 4 months after a sequential application program totaling more than 0.5 lb ai/acre per application (equivalent to 4 water-soluble pouches per acre or 0.46 oz/1000 sq ft or 1.25 pounds product per acre) may inhibit the establishment of desirable turfgrasses. However, overseeding of bermudagrass with perennial ryegrass 8 weeks after an application or as early as 6 weeks after application if slight injury to perennial ryegrass can be tolerated is a recommended exception.

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 Dimension Ultra 40WP through conventional liquid application equipment in a minimum of 20 gallons of water per acre (0.5 gallons per 1000 sq.ft.). Apply with equipment that provides a uniform spray distribution. A hand held spray gun may be used. Calibrate application equipment prior to usage. Avoid streaking, skips, or excess overlaps during application. The use of marker dyes or foams aids in making more accurate applications.

### Preemergence Application Rates, Frequency and Timing

For preemergence grass and broadleaf weed control, apply Dimension Ultra 40WP as single or sequential application at 2 to 4 water-soluble pouches (0.25 to 0.5 pound active ingredient) per acre. Applicators may choose to make a single application or sequential applications of 2 to 4 pouches per acre at 5 to 10 week intervals based on one or more of the factors listed below.

- Length of residual weed control desired
- Height of turf (lower cut turf may require use of the higher labeled rate)
- History and success of weed control at the application site (the higher labeled application rates should be used if herbicide treatment history is unknown or weed control was poor with previous applications)
- Exposure to high temperatures and heavy rainfall or irrigation (this will shorten the residual preemergence performance)
- On turf sites adjacent to hard surfaces such as driveways, sidewalks and parking lots where residual activity may be reduced
- Some target weed species (such as but not limited to *Poa annua*, goosegrass and sandbur) will require use of the higher labeled rates

### Method

[Spray](#)

Rates

[field rates 0](#)

[field rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[Preemergence \(Weed\)](#)