

# **ORNAMENTALS (LANDSCAPE, FIELD GROWN, AND CONTAINER GROWN) AND CHRISTMAS TREES**

## General Information

## Product Information

Dimension 2EW specialty herbicide provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns, commercial sod farms, ornamental and sports turf (including but not limited to 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 2EW

Used as directed, Dimension 2EW controls annual grass and broadleaf weeds listed in the table 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

#### Use Directions For Ornamentals (Landscape, Field Grown, and Container Grown) and Christmas Trees

Dimension 2EW specialty herbicide provides preemergence control of listed annual grasses and broadleaf weeds in areas planted with tolerant ornamental plants listed on this label. It is intended for use on plants grown for aesthetic purposes in landscaped areas, in container or field grown production nurseries or in Christmas tree production. When applied as directed, the ornamental plants listed on this label have shown tolerance to applications of Dimension 2EW.

#### Use Precautions:

- Apply Dimension 2EW to established ornamentals only.
- Applications of Dimension 2EW over-the-top of plants with newly forming buds may cause injury. Possible plant injury may be avoided by application as a directed spray to the soil surface beneath ornamental plant foliage.
- Injury may be incurred if Dimension 2EW is applied in the following manner. Grower assumes all risk if Dimension 2EW is applied to:
  - Unrooted liners or cuttings that have been planted in pots for the first time
  - Pots less than six inches wide

#### Use Restrictions:

- Do not apply this product to bare roots of ornamental plants as injury may result.
- Do not incorporate this product into the soil. Dilution of active ingredient and possible injury to plant roots may occur.
- Do not apply around ornamental plants that have been weakened or are under stress (due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, heat stress, nematodes or diseases).
- Do not apply when weather conditions favor drift to non-target areas.

This product may injure foliage of non-target plants unless they are listed on this label.

- Do not apply this product directly to plants that are grown for food (e.g., fruit trees or maple trees tapped for syrup).
- Do not apply this product in enclosed structures and greenhouses.
- Do not apply more than 2 pints of Dimension 2EW per acre (0.73 fl oz per 1000 sq ft) per application and no more than 6 pints of Dimension 2EW per acre (2.2 fl. oz per 1000 sq ft) per year.
- In New York State, do not apply more than 2 pints of Dimension 2EW (0.5 lb active ingredient) per acre per year. In Nassau and Suffolk counties of New York, do not exceed 1 pint per year of this product (equivalent to 0.25 lb of active ingredient per acre).

#### Shadehouse Areas

Dimension 2EW may be applied in open shadehouse-type structures where the natural flow of air is unimpeded. Do not apply within three weeks prior to enclosing

greenhouses or poly-type structures.

#### Treatment of Ornamental Species Not Listed on the Label for Dimension 2EW:

It is impossible to evaluate tolerance to this product on all ornamental plant species or varieties or under all possible growing conditions. Users who wish to use Dimension 2EW on ornamental species not currently listed on this label may determine the suitability for use by treating a small number of ornamental plants at a recommended rate. Prior to treatment of larger areas, treated plants should be observed for any symptoms of herbicidal injury, such as foliar damage, reduced vigor or stand reduction, for 30 to 60 days of normal growing conditions to determine if the treatment is acceptable to the grower. The user assumes the responsibility for any plant damage resulting from the use of Dimension 2EW on plant species not currently listed on this label as tolerant.

#### Application Directions

Apply Dimension 2EW as a directed spray or as a broadcast over-the-top spray to established ornamentals (see ornamental plant listing for acceptable application method). Make directed sprays to the soil at the base of the ornamentals.

To reduce injury potential:

- Apply to established ornamentals
- Apply product with calibrated equipment using a minimum of 1 gallon of water per 1000 sq. ft.
- Shortly after application apply overhead irrigation to activate the herbicide and wash Dimension 2EW from plant surface onto soil surface.
- In the spring when buds are rapidly growing and expanding, over the top application of Dimension 2EW may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply Dimension 2EW over the top of newly emerged vegetation until it has hardened off, unless local experience indicates that the ornamental plant will not be injured by the over the top application.
- Do not apply to plants that are under stress such as heat, drought or frost damage. Dimension 2EW is a preemergence herbicide that controls weeds during germination. Dimension 2EW does not control emerged broadleaf or grass weeds except crabgrass up to tiller initiation (up to 5 leaves per plant) in ornamental or bare ground settings. Apply prior to germination of target weeds. Optimum weed

control is obtained when applications are made to soil that is free of clods, weeds and debris such as leaves. Prior to applying, control existing vegetation by cultivation, hand weeding, or use of a postemergence herbicide labeled for use in ornamentals. After applying Dimension 2EW, excessive soil disruption may breakdown the herbicide barrier. Minimal surface disruption such as raking should not break down the herbicide barrier once the product has been activated with moisture. Following transplanting, care must be taken that soil or planting mixes have settled firmly through irrigation, rainfall or packing and that there are no cracks that would allow direct contact of this product to the plant roots or plant injury may occur.

### Application Rates

Apply Dimension 2EW prior to germination of target weed species. Make sequential applications at 3 to 4 month intervals for extended preemergence weed control. Do not exceed maximum use rates per year.

When treating a small area, apply Dimension 2EW with a calibrated sprayer that assures accurate, uniform spray distribution.

In general, Dimension 2EW should be thoroughly mixed with water at 1.5 to 2 pints (0.5 to 0.73 oz of product per 1000 sq ft) per acre per application and applied at 20 to 40 psi in a minimum of 1 gallon of water per 1000 sq ft.

### Method

[Directed Spray](#)

[Broadcast Spray](#)

### Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

•

### Restricted Entry Interval

12 hours

### Timings

[Preemergence \(Weed\)](#)