

# VEGETATION MANAGEMENT

## General Information

### GENERAL INFORMATION

#### WHERE TO USE

Endurance Herbicide is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- Established turfgrasses (excluding golf course putting greens), lawns and sod nurseries
- Container, field-grown and landscape ornamentals
- Conifer and hardwood seedling nurseries
- Established perennials and wildflower plantings
- Non-crop areas, including plantings on managed rights-of-way for transportation systems and utilities (including, roadways, roadsides, railways and equipment yards)
- Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- Christmas tree farms

#### HOW ENDURANCE WORKS

Endurance controls susceptible weeds by preventing growth and development of newly germinated weed seeds.

Weed control is most effective when Endurance is activated by at least 0.5 inch of rainfall or irrigation, or with shallow incorporation (1-2 inches) before weed seeds germinate and within 14 days following application.

#### USE PRECAUTIONS

- Do not graze or feed livestock forage cut from areas treated with Endurance.
- Do not apply Endurance to plants that will be consumed for food use.
- Follow all applicable directions, restrictions, and precautions on the labels of EPA registered tank mix partners.
- Do not blend Endurance onto dry fertilizer or any other granular material.
- Chemigation: Do not apply this product through any type of irrigation system unless instructed otherwise in the label.
- Do not apply aerially.
- Do not apply to golf course putting greens.

## APPLICATION

Apply Endurance in a minimum of 20 gals./A (0.5 gal./1,000 sq. ft.) of carrier (water and/or fluid fertilizer) using a calibrated, low pressure sprayer with 50 mesh or coarser screens. A broadcast boom or hand held wand designed for herbicide or insecticide application will provide the best results. Select nozzle pressure and gallonage to provide complete coverage.

Refer to the label for tank mix information.

## Limitations, Restrictions, and Exceptions

## VEGETATION MANAGEMENT

Endurance may be applied to soil surfaces for preemergence control of many grass and broadleaf weeds in:

- Non-crop areas, including ornamentals (does not include container or field grown ornamentals), and established perennial and wildflower plantings on or surrounding:
- Managed rights-of-way for transportation systems and utilities including roadways, roadsides, railways, and equipment yards

- Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows.
- May be applied to soil surfaces for preemergence control of many grass and broadleaf weeds.
- Is most effective when activated by at least 0.5 inch rainfall or irrigation, or shallow incorporation before weed seeds germinate and within 14 days after application.

#### Application Timing and Information

##### Endurance:

- Provides residual preemergence weed control.
- Will not control emerged weeds.
- May be applied to newly transplanted and established ornamentals as a broadcast or over-the-top spray.
- Is most effective when the product is activated in the soil before weed seeds germinate and within 14 days after application.
- Is activated when the treated area receives at least 0.5 inch of irrigation or rainfall or shallow (1-2 inches) mechanical incorporation.
- Is most effective when applied to soil free of clods, weeds, and debris such as leaves and mulch.

##### Use Precautions

To reduce injury potential:

- Direct application of Endurance to rapidly growing tissue or buds may injure desirable plants. In the spring when buds are rapidly growing and expanding, over-the-top application of Endurance may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply Endurance over the top of newly emerged vegetation until it has hardened off unless your experience indicates that the ornamental plant will not be injured by the over-the-top application.
- After application (immediately for deciduous plants), apply overhead irrigation to wash Endurance from plant surfaces onto soil. Watering plants before application may improve the washing process.

### When to Apply

In fall and/or spring before weeds germinate or after weeds are removed.

### Comments/Instructions

- Use the higher rate for longer control.
- Endurance may be applied more than once per year as long as the total amount of product applied does not exceed 2.3 lbs./A per year.

### WEEDS CONTROLLED:

- Bluegrass, Annual, Chickweed Common, Henbit, Knotweed, Shepherd's Purse: To control this weed, apply Endurance in late summer, fall, or winter before weed seeds germinate.
- Rescuegrass: Suppression only.
- CrabgrassGoosegrass: Sequential applications may be made as long as the total amount of product applied does not exceed 2.3 lbs./A per year. To control weeds, all applications must be made before weed seeds germinate.
- Endurance may be tank mixed with other registered herbicides to provide a broader spectrum of weed control or to control emerged weeds or brush. Tank mixes with Endurance are for use only in states where the tank mix partner(s) are registered for the application site.

## Method

[Broadcast/Foliar Ground  
Surface](#)

[Broadcast/Foliar Ground  
Surface](#)

## Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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## Restricted Entry Interval

12 hours

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

## Timings

[Preemergence \(Weed\)](#)

[In fall and/or spring.](#)