

# **NON-BEARING FOOD CROPS**

## General Information

## Product Information

Segment herbicide is a selective, broad-spectrum, postemergence herbicide for control of annual and perennial grass weeds in turf, ornamentals, nonfood, and noncrop sites listed on the label. Segment does not control sedges or broadleaf weeds. All grass crops, such as sorghum, corn, small grains, and rice, as well as ornamental grasses, such as turf, are susceptible to Segment. A program for total vegetation suppression may necessitate the use of a broadleaf herbicide. Any combination treatment using Segment, either tank mixed or sequential, should be tested to determine if seedhead growth suppression is maintained without increased injury or discoloration to tall fescue or other desired plant species. A reduction in grass competition may make certain broadleaf weeds appear more prominent or may allow new weeds to germinate.

## Mode of Action

Segment rapidly enters the targeted grass weed through its foliage and translocates throughout the plant. The effects range from slowing or stopping growth (generally within 2 days), to foliage reddening and leaf-tip burn.

Subsequently, foliage burnback occurs. These symptoms will generally be observed within 3 weeks depending on environmental conditions.

## Crop Tolerance

All labeled crops are tolerant to Segment at all stages of growth. Leaf speckling may occur, but plants generally outgrow this condition within 10 days. New growth is normal, and crop vigor is not reduced.

Notice to User: Due to variability within species, and in application techniques and equipment, and the number of tank mix combinations, neither the manufacturer nor the seller has determined if Segment can safely be used on all varieties and species of nonbearing food crops, trees, shrubs, ornamentals, bedding plants, ground covers, nursery plants, wildflowers, Christmas trees, turf and other nonfood crops

under all conditions. It is recommended, therefore, that the professional user determine if Segment can be used safely before broad use by applying the recommended use rate of Segment under the conditions expected to be encountered on a small test area. Any adverse effects should be visible within 7 days.

### Herbicide Resistance

Repeated use of Segment (or similar postemergence grass herbicides with the same mode of action) may lead to the selection of naturally occurring biotypes with resistance to these products. If poor performance cannot be attributed to adverse weather conditions or improper application methods, a resistant biotype may be present. Consult your local representative or agricultural advisor for assistance.

### Irrigation

In irrigated areas, it may be necessary to irrigate before treatment to ensure active weed growth.

### Cultivation/Mowing

If cultivation is an option, DO NOT cultivate during the time between 5 days before and 7 days after applying Segment. Cultivating 7 to 14 days after treatment may help provide season-long control of perennial grasses. Centipedegrass and fine fescue areas should not be mowed within 7 days before or after applying Segment. Increased control has been observed when mowing is delayed until 14 days after application. Grass weeds that have been mowed or have regrown from mowed stubble may be controlled poorly. Repeat application if new germination or regrowth occurs.

### Ground Application (Broadcast)

**Water Volume.** Use 5 to 50 gallons of spray solution per acre (1 to 10 pints per 1,000 square feet).

**Spray Pressure.** Use 30 to 60 psi (measured at the boom, not at the pump or in the line). When crop and grass weed foliage is dense, use a minimum of 20 gallons (3.67 pints per 1,000 square feet) of water and 60 psi.

**Application Equipment.** Use standard high-pressure pesticide flat fan or hollow cone

nozzles spaced up to 20 inches apart.

DO NOT use flood, whirl chamber, or controlled droplet applicator (CDA) nozzles because erratic coverage can cause inconsistent weed control. Refer to the nozzle manufacturer's directions for recommended height.

DO NOT use selective application equipment such as recirculating sprayers or wiper applicators.

### Spot or Small Area Application

Segment can be applied using tank-type sprayers, knapsack sprayers, high-volume equipment with handguns, or other suitable nozzle arrangements. Prepare a solution of Segment in water according to Table 4.

DO NOT make spot treatments in addition to broadcast or band treatment.

### Restrictions and Limitations

- Maximum seasonal use rate. See Crop-specific Information for crop-specific maximum seasonal use rates.
- Restricted-Entry Interval (REI): 12 hours.
- Avoid all direct or indirect contact with any desired grass crop unless otherwise recommended on the Segment label.
- DO NOT use treated vegetation as pasture, hay, feed, or forage.
- DO NOT apply Segment with another pesticide when label cautions against use with additives, surfactants, or oil adjuvants.
- DO NOT use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators.
- Stress. - DO NOT apply to grasses or crops under stress, such as stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, or widely fluctuating temperatures, as unsatisfactory control will probably result.

- DO NOT apply to crops that show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications because this injury may be enhanced or prolonged.
- Rainfast Period. Segment is rainfast 1 hour after application.
- DO NOT apply through any type of irrigation equipment.

#### Limitations, Restrictions, and Exceptions

#### CHRISTMAS TREE AND DECIDUOUS TREE FARMS

##### Weeds Controlled:

Maximum Rate per Application: See Crop-specific Information for crop-specific maximum seasonal use rates.

Bahiagrass, Velvetgrass, German - Up to 4"

Bermudagrass (Wiregrass) - 6" stolon maximum

Brome, downy, Ryegrass, annual: Up to 8"

Crabgrass, large, Crabgrass, smooth, Goosegrass: Up to 4". In seedling centipedegrass and fine fescue, use 1.5 pints per acre or 0.5 fluid ounce per 1,000 square feet.

Sprangletop, red: Not recommended in Arizona or western New Mexico.

Apply Segment herbicide to nonbearing food crops, nursery liners, trees, shrubs, ornamentals, bedding plants, cut flowers, and ground covers including those listed in Table 6 and Table 8. If species in the application site are not listed in Table 6 and Table 8, Segment may be applied as a directed spray away from the foliage of desired plants. Segment may also be applied to sites such as rights-of-way, fallow land, noncrop areas and nonfood crop areas such as airports, industrial sites, roadsides, storage yards, and other areas listed in Product Information. Repeat application if new germination or regrowth occurs.

DO NOT apply to nonbearing food crops within 1 year of harvest.

##### Method

[Directed](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[Postemergence \(Weed\)](#)

[When mites initially appear.](#)