

# **BROADLEAF WEEDS - THISTLE MUSK AND PLUMELESS**

## General Information

### INFORMATION

This product contains a mixture of two herbicide active ingredients, picloram and fluroxypyr. Use this product to control woody plants and annual and perennial broadleaf weeds in rangeland and permanent grass pastures, conservation reserve program (CRP) acres, and non-cropland areas including fencerows, non-irrigation ditchbanks, roadsides, and around farm buildings. Apply this product as a foliar spray or to individual plants. Application of this product will kill emerged plants and will provide residual soil activity to susceptible plants that emerge after application. The target plant species and use rate of this product will determine the length of residual soil control.

### USE RESTRICTIONS AND PRECAUTIONS

#### RESTRICTIONS

Maximum Application Rate Per Annual Growing Season: 2 quarts per acre of this product (0.5 lb AI fluroxypyr + 0.5 lb AI picloram).

Do not mix or apply this product with dry fertilizer.

Do not apply this product to areas that are sub-irrigated by a shallow water table.

Do not apply directly to the banks of ditches used for irrigation or domestic purposes. Do not apply directly to water (see Environmental Hazards section).

#### PRECAUTIONS - GRASS, FORAGE AND TREE TOLERANCE

##### Established Grasses

These plants are tolerant to this product.

- Unless injury or loss of bentgrass or limpo grass (*Hemarthria*) is acceptable, do not apply this product to these grasses.

- Unless injury or loss of alfalfa or other desirable forbs (especially legumes such as

clover) is acceptable do not apply this product. For successful seeding of some legumes, delay seeding until 12 months after application.

- Unless injury or loss of desirable woody species is acceptable, do not apply this product near areas where roots of desirable trees are found. Woody species that are susceptible to this product may be injured from root uptake of the herbicide from surface soils or by excretion of the herbicide from the roots of nearby treated trees.

### Grass Reseeding

Wait for at least 3 weeks after application of this product to reseed treated areas. If this product is to be applied after reseeding, avoid grass injury by delaying the application until grass seedlings are well established. Grasses are considered well established by the time 4 true leaves have emerged, a secondary root system is developed and the grasses are rapidly growing.

Sprigged Bermudagrass: Delay application of this product until runners (stolons) are at least 6 inches in length. Apply only during favorable growing conditions.

### Grass Grown for Seed

Do not apply this product on grasses grown for seed production from early boot to milk stage.

## PRECAUTIONS AND RESRICTIONS - MULCH, MANURE AND SOIL

### Livestock

Before moving livestock from treated areas onto broadleaf crop areas, allow livestock to graze on untreated pastures for at least 7 days. This grazing on untreated areas prevents injury to the broadleaf plants from exposure to picloram residues from livestock urine or manure.

### Soil

Treated soil must not be moved or used to grow other plants until a bioassay or chemical analysis shows no soil residues of picloram.

### Composting and Mulching

To prevent injury to desirable susceptible broadleaf plants, do not use grass or hay from treated areas for composting or mulching these desirable plants. Similarly, do

not use manure from livestock fed treated forage or hay for composting or mulching desirable broadleaf plants.

## Limitations, Restrictions, and Exceptions

### CONTROL OF BROADLEAF WEEDS

Best results are achieved from an application of 1 pint of this product per acre. Time the application to occur when weeds are small and actively growing, but before bud stage of growth. Use the higher rate of 1.34 pints per acre for dense weed populations, for mature weed growth, or when conditions for plant growth are not ideal.

#### Application to Small Areas

Apply this product using calibrated boom or with hand-held sprayers. Follow directions for hand-held sprayers below.

**Hand-Held Sprayers:** When small areas need to be treated, use hand-held sprayers especially if the use of a power-operated boom sprayer is not practical. Ensure application provides an even uniform deposition of spray solution. The use rates equivalent to a broadcast application are provided in the table (refer in the label). Select the recommended broadcast rate and mix the corresponding amount of this product (fluid ounces or milliliters) in the spray volume needed to cover 1,000 square feet.

The amount of this product required for larger areas is calculated as follows. The Amount of this product (fluid ounces or ml) required for larger areas = the fluid ounces or ml of this product X number of thousands of square feet of area to be treated. For example, to apply this product at a rate of 1.5 pints per acre to 5,000 square feet, multiply 0.6 fluid ounces of this product by 5 to give a total of 3.0 fluid ounces of this product.

#### Directions for Control of Specific Broadleaf Weeds

##### Thistle musk and plumeless

**Spring application:** Apply 1 to 1.34 pints of this product per acre at rosette to early bolting stage.

**Fall application:** Apply 1.34 to 1.68 pints of this product per acre after emergence

while active growth continues. Some residual control may be seen the following spring from fall applications.

Method

[Foliar spray](#)

Rates

[field rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[Spring application: At rosette to early bolting stage.](#)

[Fall application: After emergence while active growth continues.](#)