

# **BROADLEAF WEED CONTROL**

## General Information

## Product Information

Surmount herbicide, an emulsifiable liquid product containing picloram and fluroxypyr herbicides, is recommended for the control of woody plants and annual and perennial broadleaf weeds in rangeland and permanent grass pastures, fencerows, non-irrigation ditchbanks, and around farm buildings. Surmount may be applied broadcast as a foliar spray or using individual plant treatment methods. Surmount provides both knockdown of emerged plants and residual soil activity to newly emerging susceptible plants. The duration of this soil activity depends on the species and the applied rate.

## Use Precautions and Restrictions

**Maximum Application Rate:** Do not apply more than 3 quarts per acre of Surmount per acre per year (0.5 lb ae fluroxypyr + 0.5 lb ae picloram). When applying this product sequentially with other products containing fluroxypyr and/or picloram, do not apply more than 0.5 lb ae fluroxypyr per acre per year or more than 0.5 lb ae per acre picloram per year.

## Grass, Forage and Tree Tolerance

- Established grasses are tolerant to this product.
- Do not use on bentgrass or limpo grass (*Hemarthria*), unless injury or loss of such plants can be tolerated.
- Do not use on alfalfa, or other desirable forbs, especially legumes such as clover, unless injury or loss of such plants can be tolerated. Seeding of some legumes may not be successful if done within one year of application.

- Many woody species are susceptible to this product. Trees can be affected by root uptake of the herbicide from surface soil or by excretion of the herbicide from the roots of nearby treated trees. Do not apply Surmount within the area occupied by roots of desirable trees, unless such injury can be tolerated.

- When Reseeding Grasses:

When Surmount is applied before reseeding, do not reseed treated areas for a minimum of three weeks after application.

When Surmount is applied following reseeding, to avoid grass injury, do not apply until grass seedlings are well established as indicated by tillering (usually after 4 true leaves have emerged), development of a secondary root system and vigorous growth.

Sprigged bermudagrass. Do not apply Surmount until runners (stolons) have reached at least 6 inches in length. Apply only during favorable growing conditions.

Ground Application: To minimize spray drift, apply Surmount in a total spray volume of 5 or more gallons per acre using spray equipment designed to produce coarse or larger droplets per ASAE S-572 standard. Refer to the spray equipment manufacturer's recommendations for detailed information on nozzle types, arrangement, spacing and operating height and pressure. Spot treatments should be applied only with a calibrated boom to prevent over application. Operate equipment at spray pressures no greater than is necessary to produce a uniform spray pattern. Operate the spray boom no higher than is necessary to produce a uniformly overlapping pattern between spray nozzles. Do not apply with hollow cone-type insecticide nozzles or other nozzles that produce a fine-droplet spray.

#### Aerial Application

Rangeland and Permanent Pastures: Both fixed wing and helicopter equipment may be used to apply this product on rangeland, permanent pastures and pine plantations, but fixed wing aircraft require additional drift mitigation measures.

To minimize spray drift, apply Surmount in a total spray volume of 3 or more gallons per acre using spray. Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to

variable wind direction and high potential for temperature inversion. Spray drift from aerial application can be minimized by applying a coarse spray at per USDA-ARS/PAASS or nozzle manufacturer's guidelines or by using straight-stream nozzles directed straight back. Do not operate using a spray boom no longer than 75% of wing span or 85% of rotor width. For fixed wing aircraft, maximum speed during application is limited to 140 mph and application height above the vegetation canopy should not exceed 10 ft.

Do not store or handle other agricultural chemicals with the same containers used for this product. Do not apply other agricultural chemicals or pesticides with equipment used to apply this product unless equipment has been thoroughly cleaned.

### Limitations, Restrictions, and Exceptions

#### Broadleaf Weed Control

For best results, use 1.5 pt/acre and apply when weeds are small and actively growing, but before bud stage of growth. Use 2 pt/acre when weed density is high, weed growth is mature, or conditions for plant growth are less than optimum.

#### Specific Use Directions:

- (1) Horsenettle, Carolina: Apply 1.5 to 2 pints/acre after emergence, during active growth before flowering.
- (2) Ironweed, western: Apply at the rate of 2 - 2.5 pints per acre to fully emerged ironweed that is actively growing.
- (3) Kochia: Apply at the rate of 2 - 2.5 pints per acre when kochia is less than 18 inches tall.
- (4) Lespedeza, sericea: For best results, apply at the rate of 2 pints per acre in late spring to early summer after maximum foliage development, when plants are 12 - 15 inches tall, but prior to bloom stage. Increase rate to 2.5 pints per acre for dense stands or later stages of growth.

(5) Thistle, musk and plumeless (Spring application): Apply 1.5 to 2 pints/acre at rosette to early bolting stage. Fall application: Apply 2 to 2.5 pints/acre after emergence while active growth continues. (Fall application will provide some residual control into the following spring).

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[When weeds are small and actively growing, but before bud stage of growth.](#)