

## **CUT SURFACE TREATMENTS**

### General Information

#### GENERAL INFORMATION

The product is used to control unwanted woody plants; aquatic plants; and annual perennial broadleaf weeds:

- In aquatic sites such as ponds, lakes, reservoirs, non-irrigation canals, marshes, wetlands and ditches which have little or no continuous outflow
- In forest
- In non-crop area including industrial manufacturing and storage sites
- In rights-of-way such as electrical power lines, communication lines, pipelines, roadsides, and railroads
- In fence rows
- In non-irrigation ditch banks
- Around farm buildings

The product's use on these sites may include application to grazed grass areas as well as for the establishment and maintenance of wildlife openings.

#### USE RESTRICTIONS AND PRECAUTIONS

- Do not apply the product through any type of irrigation system.
- Do not apply to ditches or canals used to transport irrigation water. It is permissible to treat non-irrigation ditch banks.
- Do not apply where runoff or irrigation water may flow onto agricultural fields as injury to crops may result.

- It is permissible to treat seasonally dry wetlands (such as flood plains, deltas, marshes, swamps, or bogs) and transitional areas between upland and lowland sites.
- Do not apply directly to un-impounded rivers or streams. Do not apply to salt water bays or estuaries.
- When making application to banks or shorelines of moving water sites, minimize the overspray to open water.
- Do not apply through a mist blower.
- Do not make direct applications or allow spray mists to drift onto cotton; grapes; soybeans; tobacco; vegetable crops; flowers; ornamental shrubs or trees; or other desirable broadleaf plants.
- For range and pasture sites, including rights-of-way, fence rows, or any area where grazing and harvesting is allowed, do not apply more than 2 pounds a.e. of triclopyr (2/3 gallon of the product) per acre per year.
- For forestry uses, do not apply more than 6 pounds a.e. triclopyr (2 gallons of the product) per acre per year.
- For all terrestrial uses other than grass pasture and rangeland, and forestry sites, do not apply more than a maximum of 9 lbs. of a.e. of triclopyr (3 gallons of Navitrol Landscape and Aquatic Herbicide) per acre per year.
- All livestock, except lactating dairy animals, can graze at any time.
- Lactating dairy animals cannot graze forage until the next growing season after application.
- For treated grass pastures and rangeland, wait 14 days after application before harvesting hay.
- Withdraw livestock from grazing treated grass or consumption of treated hay at least 3 days before slaughter.

- Arizona: The product has not been approved for use on plants grown for commercial production, specifically forests grown for commercial timber production, or on designated grazing areas.
- Obtain required permits: Consult with appropriate state or local water authorities before applying the product to public waters. State or local public agencies may require permits.

## APPLICATION EQUIPMENT AND TECHNIQUES

### Broadcast Applications

Aerial Application - When making aerial applications on right-of-way or other areas near susceptible crops, apply through a Microfoil or the Thru-valve boom or use an agriculturally approved drift control agent. Other drift reducing systems or thickened sprays prepared by using high viscosity inverting systems may be used if they are made as drift-free as are mixtures containing agriculturally approved thickening agents or applications made with the Microfoil or Thru-Valve boom. Keep spray pressures low enough to provide coarse spray droplets. Spray boom should be no longer than 3/4 of the rotor length. Spray only when the wind velocity is low (follow state regulations). Avoid application during air inversions. If a spray thickening agent is used, follow all use recommendations and precautions on the product label.

Microfoil or the Thru-valve boom - Note: Reference within the label to equipment produced by or available from other parties is provided without consideration for use by the reader at its discretion and subject to the reader's independent circumstances, evaluation and expertise. Such reference by Applied Biochemists is not intended as an endorsement of such equipment, shall not constitute a warranty (express or implied) of such equipment, and is not intended to imply that other equipment is not available and equally suitable. Any discussion of methods of use of such EQUIPMENT does not imply that the reader should use the equipment other than is advised in directions available from the equipment's manufacturer. The reader is responsible for exercising their own judgment and expertise, or consulting with sources other than Applied Biochemists, in selecting and determining how to use its equipment.

Ground Application - To aid in reducing spray drift, the product should be applied in

thickened (high viscosity) spray mixtures using an agriculturally approved drift control additive, high viscosity invert system, or equivalent as directed by the manufacturer. Use of low pressure nozzles; and operating nozzles in the lower end of the manufacturer's recommendations is advised. To minimize drift, keep the spray boom as low as possible, apply in >20 gallons of spray volume per acre, spray when wind velocities are low; or use an approved drift control agent. In Hand Gun Applications, select the minimum spray pressure that will provide adequate plant coverage (without forming a mist). Do not apply with nozzles that produce a fine droplet spray.

**High Volume Leaf-Stem Treatment:** To minimize spray drift, do not use pressure exceeding 50 PSI as the spray nozzle and keep sprays no higher than brush tops. An agriculturally approved thickening agent may be used to reduce spray drift.

## APPROVED USES

Apply the product at rates of 0.25 to 3 gallons per acre for the control of broadleaf weeds and woody plants. Apply in enough water to provide uniform and complete coverage of the plants to be controlled. Use only water suitable for spraying. Use of an agriculturally nonionic surfactant is recommended for all foliar applications. For best results make application when woody plants and weeds are actively growing. Use higher rates within the range when brush averages 15 feet or more in height or when brush covers >60% of the area to be treated. Resprouting may occur the year following treatment if lower rates are used on hard-to-control species when easy to control brush species dominate, rates below those recommended may be effective. Consult State or local Extension personnel for information.

For hard-to-control species such as ash, black gum, choke cherry, elm, maples, oak, pines or winged elm; during late summer applications when plants are mature; or during drought conditions; use higher rates of the product alone or use in combination with Tordon 101 Mixture. If lower rates are used on hard-to-control species, re-sprouting may occur in the year following treatment. When applying the product in a tank mix with 2,4-D 3.8 lb. amine, or low volatile ester herbicides, use higher rates of the product for satisfactory brush control.

When tank mixing, refer to the individual product labels for precautionary statements, restrictions, recommended rates, approved uses, and a list of weeds and woody plants controlled. Follow the most restrictive language on the labels of

the tank mix partners.

See table on the label for Maximum Rate of The Product.

For range and pasture sites, including right-of ways, fence rows, or any area where grazing and harvesting is allowed, do not apply more than 2 lb a.e. of triclopyr ( 2/3 gallon of this product?? per acre per year.

For forestry uses, do not apply more than 6 lb a.e. triclopyr (2 gallons of this product) per acre per year.

For all terrestrial uses other than grass pasture and rangeland, and forestry sites, do not apply more than a maximum of 9 lbs of a.e. of triclopyr (3 gallons of Navitrol Landscape and Aquatic Herbicide) per acre per year.

Limitations, Restrictions, and Exceptions

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To control hardwood unwanted species such as elm, maple, oak; and conifers in right-of-way and other non-crop areas, apply the product, either undiluted or diluted in a 1:1 ratio with water by one of the following method:

**Tree Injector Method:** Inject 0.5 milliliter (mL) of undiluted product or 1 mL of diluted (1:1) solution through the bark at intervals of 3-4 inches between injection wounds. The tree injections should completely surround the tree at any convenient height.

**Note:** Worker Protection Standard Agricultural Use Requirements reentry restrictions do not apply for this application method. Refer to the Non-Agricultural Use Requirements box.

**Hack and Squirt Method:** Use a hatchet or similar equipment to make cuts in the bark at intervals of 3-4 inches at a convenient height around the circumference of the tree trunk. Spray 0.5 milliliter (mL) of undiluted product or 1 mL of the diluted (1:1) solution into each cut.

**Frill or Girdle Method:** Make a single girdle though the bark completely around the tree at a convenient height. Wet the cut surface with undiluted product or diluted (1:1) solution.

**Stump Treatment:** Spray or paint undiluted product on to the freshly cut surfaces of

cut stumps and stubs. The cambium area next to the bark is most vital area to wet.

Method

[Cut Stump](#)

[Frill or Girdle](#)

[Injector](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

48 hours

Timings

[N.A.](#)