

## **PRE-PLANT APPLICATIONS FOR CONTROL OF SUSCEPTIBLE EMERGED WEEDS**

### General Information

#### GENERAL INFORMATION

Garlon 4 Ultra specialty herbicide is recommended for the control of woody plants and annual and perennial broadleaf weeds in non-crop areas, including industrial manufacturing and storage sites, rights-of-way such as electrical power lines, communication lines, pipelines, roadsides and railroads, fence rows, non-irrigation ditch banks, forests and in the establishment and maintenance of wildlife openings. Use on these sites may include application to grazed areas.

#### General Use Precautions and Restrictions

Chemigation: Do not apply this product through any type of irrigation system.

When applying this product in tank mix combination, follow all applicable use directions and precautions on each manufacturer's label.

Do not apply on ditches used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto agricultural land as injury to crops may result.

Do not apply this product using mist blowers unless a drift control additive, high viscosity inverting system, or equivalent is used to control spray drift.

Sprays applied directly to Christmas trees may result in conifer injury.

When treating unwanted vegetation in Christmas tree plantations, care should be taken to direct sprays away from conifers.

Do not apply Garlon 4 Ultra directly to, or otherwise permit it to come into direct contact with grapes, tobacco, vegetable crops, flowers, or other desirable broadleaf plants and do not permit spray mists containing it to drift onto them.

It is permissible to treat non-irrigation ditch banks, seasonally dry wetlands (such as flood plains, deltas, marshes, swamps, or bogs) and transitional areas between

upland and lowland sites where surface water is not present except in isolated pockets due to uneven or unlevel conditions. Do not apply to open water (such as lakes, reservoirs, rivers, streams, creeks, salt water bays, or estuaries).

Garlon 4 Ultra is formulated as a low volatile ester. However, the combination of spray contact with impervious surfaces, such as roads and rocks, and increasing ambient air temperatures, may result in an increase in the volatility potential for this herbicide, increasing a risk for off-target injury to sensitive crops such as grapes and tomatoes.

### Grazing and Haying Restrictions

Except for lactating dairy animals, there are no grazing restrictions following application of this product.

**Grazing Lactating Dairy Animals:** Do not allow lactating dairy animals to graze treated areas until the next growing season following application of this product.

Do not harvest hay for 14 days after application.

Portions of grazed areas that intersect treated non-cropland, rights-of-way and forestry sites may be treated at up to 8 lb ae per acre if the area to be treated on the day of application comprises no more than 10% of the total grazable area.

**Slaughter Restrictions:** During the season of application, withdraw livestock from grazing treated grass at least 3 days before slaughter.

**Aerial Application (Helicopter Only):** For aerial application on rights-of-way or other areas near susceptible crops, use an agriculturally registered spray thickening drift control additive as recommended by the manufacturer or apply through the Microfoil boom, Thru-Valve boom, or equivalent drift control system. Thickened sprays prepared by using high viscosity invert systems or other drift reducing systems may be utilized if they are made as drift-free as are mixtures containing an agriculturally registered thickening agent or applications made with the Microfoil boom or Thru Valve boom. If a spray thickening agent is used, follow all use recommendations and precautions on the product label. Do not use a thickening agent with the Microfoil boom, Thru Valve boom, or other systems that cannot accommodate thick sprays.

**Ground Equipment:** To aid in reducing spray drift potential when making ground

applications near susceptible crops or other desirable broadleaf plants, Garlon 4 Ultra should be applied through large droplet producing equipment, such as the Radiarc sprayer or in thickened spray mixtures using an agriculturally registered drift control additive, or high viscosity invert systems. When using a spray thickening or inverting additive, follow all use directions and precautions on the product label. With ground equipment, spray drift can be reduced by keeping the spray boom as low as possible; by applying 20 gallons or more of spray per acre; and by spraying when wind velocity is low. Do not apply with nozzles that produce a fine droplet spray. Keep operating spray pressures at the lower end of the manufacturer's recommended pressures for the specific nozzle type used. Low pressure nozzles are available from spray equipment manufacturers. Select nozzles and pressures which provide adequate plant coverage, but minimize the production of fine spray particles.

High Volume Leaf-Stem Treatment: To minimize spray drift, keep sprays no higher than brush tops and keep spray pressures low enough to provide coarse spray droplets. A spray thickening agent may be used to reduce spray drift.

#### Limitations, Restrictions, and Exceptions

##### Directions for Use

This 2(ee) recommendation is limited to the use sites listed on the main label for Garlon 4 Ultra. Refer to the main label for use sites.

Garlon 4 Ultra controls only broadleaf plants that are emerged at the time of application.

See the main label for a list of susceptible weeds.

#### PRECAUTIONS

Post emergence applications on newly emerged or established sorghum sudangrass, teff, crabgrass, and pearl millet are not recommended. Unacceptable injury or death of these grasses may occur with Garlon 4 Ultra applications.

##### Pre-plant applications for control of susceptible emerged weeds

Apply Garlon 4 Ultra at a maximum of 1.5 pts/acre with a non-ionic surfactant to control susceptible weeds prior to planting tall fescue, orchardgrass, timothy, and annual ryegrass, sorghum sudangrass, teff, crabgrass, and pearl millet. Applications

can be made the same day of planting.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Restricted Entry Interval

12 hours

Timings

[Preplant](#)

[Postemergence \(Weed\)](#)