

FOREST MANAGEMENT - BROADLEAF WEEDS

General Information

Spray Equipment

Broadrange 55 Herbicide consists of diethanolamine salt of 2,4-D especially formulated for low volume applications with aerial and ground equipment. This product must be applied in compliance with the pesticide regulations of the state in which application is made. Check with local authorities regarding regulations which may affect the application of this product. Do not apply this product through any type of irrigation system.

AIRCRAFT SPECIFICATIONS (FIXED WING OR ROTARY WING):

Spray volumes > 2 gallons per acre are recommended. Do not exceed 50 psi nozzle pressure and set pressure at no lower than 30 psi. Number of nozzles required to obtain desired volume per acre is dependent on swath width and speed of aircraft. Nozzles should be positioned between 0° to 45° from direction of flight for fixed wing. DO NOT APPLY THROUGH BECO-MIST NOZZLE SYSTEMS. See manufacturer's technical bulletin regarding nozzles and method of application specifications.

GROUND APPLICATION: Spray volumes ≥ 2.0 gallons per acre are recommended with conventional equipment. For uniform spray distribution: 1) Select the appropriate spray tip (flat fan, extended range flat fan, hollow cone, and air induction), 2) Space the nozzles correctly, 3) Use the range of spray pressures suggested by the equipment manufacturer for each nozzle tip, 4) Floodtip type nozzles are not recommended.

PRECAUTION FOR PAINTS AND COATINGS OF AUTOMOBILES AND OTHER VEHICLES:

Undiluted spray droplets may damage the paint, coating, or finish of vehicles. Vehicles should not be sprayed. If accidental exposure does occur, then the vehicle should be washed before the spray droplets dry.

Susceptible Plants

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption.

Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for ground boom application

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Additional requirements for aerial applications

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upwind.

Limitations, Restrictions, and Exceptions

DIRECTIONS

Christmas Tree Plantations: In Douglas fir Christmas trees, apply over the top by ground or aerial application equipment only when the trees are dormant, prior to bud break. Do not spray over the top of pine or true firs (*Abies* spp.). Directed sprays may be made to weeds in Christmas tree plantations of all conifer species, but the spray must not contact tree foliage as injury may occur. Do not apply to weakened, diseased, or stressed seedlings since unacceptable injury may occur. This product may be mixed with atrazine for Christmas tree application. Read and follow the atrazine label used for precautionary statements, directions for use,

geographic and other restrictions.

RESTRICTIONS AND LIMITATIONS FOR USES IN FOREST MANAGEMENT:

- Broadcast application:

Limited to one broadcast application per year.

Maximum of 5.7 pints (4 lbs. ae) per acre per broadcast application.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field_rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[When the trees are dormant, prior to bud break.](#)