

FORAGE LEGUMES

General Information

PRODUCT RESTRICTIONS

- Do not apply BUTYRAC 200 Broadleaf Herbicide through any type of irrigation system.
- Do not use in or near a greenhouse.
- Do not feed/graze soybean forage or harvest hay for 60 days following any 2,4-DB application.

SPRAY DRIFT MANAGEMENT

Do not make applications into temperature inversions.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Apply only when the wind speed is 2 -10 mph at the application site.

APPLICATION PROCEDURES

BUTYRAC 200 can be applied to registered use areas by ground and aerial application equipment. The following provides recommended methods of application for each crop.

GROUND APPLICATION

Use a standard herbicide boom sprayer that provides uniform and accurate application. Sprayer should be equipped with screens no finer than 50 mesh in the nozzle tips and in-line strainers.

Select a spray volume and delivery system that will ensure thorough and uniform spray coverage. For optimum spray distribution and thorough coverage, use of flat fan nozzles (maximum tip size 8008) with a minimum spray pressure of 30 psi at the nozzle tips is recommended. Other nozzle types that produce coarse spray

droplets may not provide adequate coverage of the weeds to ensure optimum control. Raindrop nozzles are not recommended as weed control with BUTYRAC may be reduced. In general a minimum spray volume of 10 gallons per acre (GPA) is recommended for optimum spray coverage. When using higher speed equipment, a maximum speed of 10 mph is suggested if field conditions cause excessive boom movement during application and subsequent poor spray coverage. Ground applications made when dry, dusty field conditions exist may provide reduced weed control in wheel track areas.

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

AERIAL APPLICATION

Use orifice discs, cores and nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage. In general a minimum spray volume of 5 GPA and a maximum pressure of 40 psi are recommended.

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.

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

MIXING INSTRUCTIONS

BUTYRAC ALONE: Fill the spray tank 1/2 to 3/4 full with clean water. Begin agitation and add the specified amount of BUTYRAC 200. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application.

TANK MIXTURES: BUTYRAC 200 can be applied in tank mixture with other herbicides registered for use on approved crops. Refer to the specific crop section for rate directions and other restrictions. To apply BUTYRAC 200 in mixture with another product, fill the spray tank 1/2 to 3/4 full with clean water and begin agitation. If tankmixing with wettable powder, soluble powder, flowable or dry flowable products, add the powder or flowable product first. After the other herbicide is thoroughly mixed with water, add the recommended amount of BUTYRAC 200 and

add water to the spray tank to the desired level. If tankmixing with other product types, add the BUTYRAC 200 first before adding the other product. Always mix one product in water thoroughly before adding another product or compatibility problems may occur. Never mix two products together without first mixing in water.

Maintain sufficient agitation while mixing and during application to ensure a uniform spray mixture. If spray mixture is allowed to remain without agitation for short periods of time, be sure to agitate until uniformly mixed before application.

COMPATIBILITY

Evaluate tank mixtures not listed on this label for compatibility and crop safety on a small area before applying to the entire field.

BUTYRAC 200 may form an insoluble precipitate in very hard water. If you expect to mix BUTYRAC 200 with very hard water, test compatibility by mixing a small amount of BUTYRAC 200 in the proposed dilution ratios, shake and observe. A compatibility agent approved for use on growing crops such as UNITE or E-Z MIX may be tested to reduce precipitation. Whenever hard water is used to dilute BUTYRAC 200, spray immediately and do not allow spray mixture to sit overnight.

PRODUCT INFORMATION

Spray tank residues of 2,4-D or MCPA mixed with BUTYRAC 200 Broadleaf Herbicide can cause serious crop or ornamental plant injury. A sprayer previously used to apply these chemicals must be thoroughly cleaned with alkali and water before applying BUTYRAC 200. Be sure sprayer is clean before applying BUTYRAC 200 Broadleaf Herbicide.

Local conditions may affect the use of herbicides. Consult your State Agricultural Experiment Station, Farm Advisors, or Extension Weed Specialists for advice in selecting treatments from this label to best fit local conditions.

INJURY TO CROPS FROM THIS HERBICIDE MAY OCCUR.

Crop varieties vary in response to 2,4-DB and some are easily injured. Apply BUTYRAC 200 only to varieties known to be tolerant to 2,4-DB. If you are uncertain concerning tolerant varieties or local use situations that may affect crop tolerance to 2,4-DB, consult your seed company, State Agricultural Extension Service, or qualified crop consultant for advice.

Be sure that use of this product conforms to all applicable laws, rules, and regulations. Certain states have restrictions pertaining to application distances from

susceptible crops. The applicator must become familiar with these laws, rules, or regulations and follow them exactly.

Limitations, Restrictions, and Exceptions

FORAGE LEGUMES

(SEEDLING AND ESTABLISHED ALFALFA, SEEDLING BIRDSFOOT TREFOIL)

APPLICATION TIMING AND SPECIFIC COMMENTS

Apply postemergence to seedling forage legumes and seedling or established alfalfa. Forage legumes should be healthy and actively growing for greatest selectivity. In established alfalfa, twisting of stems and malformation of leaves may occur.

Under most conditions this response is usually outgrown. A non-ionic surfactant at 0.25% V/V may be included in seedling alfalfa grown in dry, low humidity areas only.

Non-ionic surfactant may cause some twisting of stems and malformation leaves. This response is usually outgrown under most conditions.

WEEDS

For control of emerged lambsquarters, pigweed, field pennycress, wild mustard, common ragweed, cocklebur, yellow rocket, Russian thistle and annual morningglory species less than 1 inch high, apply BUTYRAC 200 at 1 to 2 quarts/A. For control of these weeds up to 3 inches tall, apply BUTYRAC 200 at 2-3 quarts/A. Use the higher rates in dry, low humidity growing areas.

For control or suppression of smartweed and curled dock up to 3 inches tall, apply BUTYRAC 200 at 3 quarts/A. In seedling alfalfa only, the addition of a non-ionic surfactant at 0.25% V/V may improve broadleaf weed control under dry, low humidity conditions.

BUTYRAC 200 may not adequately control overwintered broadleaf weeds including field pennycress and mustards.

RESTRICTIONS AND LIMITATIONS FOR USE ON FORAGE LEGUMES

- Do not graze established alfalfa or feed straw or hay from treated established

alfalfa to livestock within 30 days after application.

- Do not graze or feed seedling alfalfa or seedling birdsfoot trefoil within 60 days after application.
- Do not use on clover, peas or other legumes not mentioned above.
- Do not apply when crop is stressed from lack of moisture.
- Do not spray when the temperature exceeds 90°F and/or is predicted to exceed 90°F during the three days following application.
- Do not add any wetting agents or detergents to the spray solution unless as specified on the label.
- Rainfall or overhead irrigation within 7-10 days following a BUTYRAC 200 application can cause unacceptable crop injury.
- For irrigated crops, apply BUTYRAC 200 as soon as possible after irrigation. Delay the next irrigation for 7-10 days after spraying.
- Follow all restrictions and precautions of any product used in tank mixture with BUTYRAC 200.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

•

Restricted Entry Interval

48 hours

Timings

[Postemergence \(Crop\)](#)