



*with comments
204-145*



BROADLEAF HERBICIDE
Controls Broadleaved Weeds in Alfalfa and
Birdsfoot Trefoil

ACTIVE INGREDIENT:
4-(2,4-Dichlorophenoxy) butyric acid
butoxyethanol ester 34.4%
INERT INGREDIENTS: 65.6%
4-(2,4-Dichlorophenoxy) butyric acid equivalent 24.6% by
weight or 2 pounds per gallon
EPA Reg. No. 264-145 ZA EPA Est. 264-MO-01

KEEP OUT OF REACH OF CHILDREN.

WARNING

PRECAUTIONARY STATEMENTS: See inside booklet

IN CASE OF EMERGENCY, TELEPHONE COLLECT
(24 HOURS A DAY) IN U.S.A. (304) 744-3487

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
P.O. Box 1274, T.W. Alexander Drive, Research Triangle Park, N.C. 27709
MADE IN U.S.A.

CONTENTS: 2.5 GAL.

BEST DOCUMENT AVAILABLE

DIRECTIONS FOR USE

Apply BUTYRAC ester broadleaf herbicide in spring or fall when seeding legumes have 2 to 4 trifoliate leaves and when weeds are less than 3 inches high. Applications made later to more mature weeds will give less satisfactory control. Weeds such as dock and fanweed that form rosettes should be treated when these rosettes are less than 3 inches across.

Apply BUTYRAC ester broadleaf herbicide in 5 or more gallons of water per acre using air or ground equipment. The total volume of spray applied should be enough for good coverage but not so much that spray will run off weed leaves.

For irrigated crops apply BUTYRAC ester broadleaf herbicide as soon as possible after irrigation. Delay the next irrigation for at least 7 to 10 days after spraying to avoid washing the chemical into the root zone.

Do not use BUTYRAC ester broadleaf herbicide as a pre-emergence spray. Do not use on a sweet clover or other legumes not mentioned.

WEED CONTROL IN ALFALFA AND BIRDSFOOT TREFOIL

Weeds Controlled:	Amount BUTYRAC ester broadleaf herbicide per acre
Lambsquarters pigweed, kochia night-shade, Russian thistle, prickly (Chinese) lettuce, groundsel, stinkweed, fanweed, smartweed, annual ragweed, bull thistle, filaree, shepherd's purse, dock, fiddle-neck, Fiddle-neck with more than 2-3 leaves will only be suppressed.	2 pints to 4 pints

Use this higher rate only if weeds have grown to height of 4 to 6 inches before spraying. Poorer weed control and crop stunting can be expected when using this higher rate on older weeds.

CAUTION Do not graze treated crops nor feed hay from treated crops to livestock within 60 days after application.

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Band Treatments:

Use BUTYRAC ester broadleaf herbicide in proportion to the area actually sprayed. For example, if a 12-inch band is sprayed on 36-inch rows, the amount used per banded acre will be $\frac{1}{3}$ of the amount used per broadcast acre. Calibrate sprayers before making band applications. Keep boom at the same height while calibrating and spraying.

MIXING DIRECTIONS

Add one-half the required amount of water to the spray tank, then add this product with agitation, and finally the balance of the water with continued agitation. The material forms an emulsion in water—not a solution. This tends to separate on standing. Provide agitation to prevent such separation.

Do not add any wetting agents or detergents to the spray solution.

CAUTION: A sprayer or other container previously used to apply 2,4-D, MCPA must be thoroughly cleaned with alkali and water before using for this product. Even a small amount of one of these chemicals mixed with this product can cause serious injury to legumes. Contact your supplier for special instructions on cleaning out spray equipment.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label, that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such direction, and that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY

EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

This warranty does not extend to and the Buyer shall be solely responsible for any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings or cautions.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT SUCH LIABILITY IS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Do not get in eyes, on skin or on clothing. May be fatal if absorbed through skin. Harmful if swallowed. Avoid breathing vapors or spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly before eating or smoking.

Statement of Practical Treatment

In case of contact wash skin with soap and water, for eyes flush with water for at least 15 minutes and get medical attention.

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, except as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes. This product is toxic to fish. Do not use in a greenhouse.

PROTECTION STATEMENTS

Do not apply BUTYRAC ester broadleaf herbicide directly to or otherwise permit it to come in contact with cotton, okra, grapes, tomatoes, fruit trees, vegetables, flowers or other desirable crop or ornamental plants which are susceptible to BUTYRAC ester broadleaf herbicide. Do not permit spray mist to drift onto susceptible plants since very small quantities of the BUTYRAC ester broadleaf herbicide can cause severe injury during the growing or dormant periods.

Use coarse sprays to minimize drift. Do not apply with nozzles that produce fine spray droplets. Drift from **ground application** may be reduced by (1) keeping the spray boom as near to the crop as possible in order to obtain complete coverage, (2) by applying 10 or more gallons spray per acre, (3) by using no more than 20 pounds of pressure or less at the nozzle tips, and (4) by not spraying when the wind exceeds 5 miles per hour.

Drift from **aerial application** may be reduced by (1) applying as near to the crop as possible in order to obtain coverage, (2) by applying 5 or more gallons of spray per acre, (3) by using 20 pounds pressure or less at the nozzle tips, (4) by using nozzles which produce a coarse spray pattern, and (5) by spraying when there is no possibility for a temperature inversion at time of spraying.

Applications by aircraft, ground rig and hand sprayers should be carried out only when there is no hazard from spray drift. Do not apply near cotton, grapes, tomatoes or near desirable BUTYRAC ester broadleaf herbicide susceptible crop or ornamental vegetation.

Spray tank residues of 2,4-D, MCPA, mixed with BUTYRAC ester broadleaf herbicide can cause serious crop or ornamental plant injury. A sprayer previously used to apply these chemicals must be thoroughly cleaned before applying BUTYRAC ester broadleaf herbicide. Do not treat

with a tank mixture of BUTYRAC ester broadleaf herbicide and SEVIN® carbaryl insecticide as specified on the label.

STORAGE AND DISPOSAL STATEMENTS

STORAGE

Do not store near food, feedstuffs, fertilizers, seeds, insecticides or fungicides. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities. If burned, stay out of smoke.

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

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 should become familiar with these laws, rules or regulations and follow them exactly. Apply this product only as specified on this label.

BEST DOCUMENT AVAILABLE

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EPA 100-100-100

OFFICIAL FILE COPY

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2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)

DCR-10837:Mountfort:1/13/84:RD-04:557-1830:del. 1/29/84:eg