

RECEIVED

OCT 18 1985

V.A. DORR

2.5 CERTROL®
BROMOXYNIL MCPA BROADLEAF HERBICIDE

Controls annual broadleaf weeds in wheat and barley.

ACCEPTED

OCT - 3 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 261-421

ACTIVE INGREDIENTS:

Octanoic acid, 3,5-dibromo-4-hydroxybenzonitrile ester* 19.8%
Butyric acid, 3,5-dibromo-4-hydroxybenzonitrile ester* 17.1%
2-Methyl-4-chlorophenoxyacetic acid, butoxyethyl ester** 7.3%

INERT INGREDIENTS 55.8%

*Total Bromoxynil (3,5-Dibromo-4-hydroxybenzonitrile)
equivalent 27.2% by weight or 2.5 pounds per gallon

**MCPA (2-Methyl-4-chlorophenoxyacetic acid) equivalent 4.9% by
weight or .45 pounds per gallon.

E.P.A. Reg. No. 264-421

E.P.A. Est. No. 264-MO-01

U.S. PATENT No. 3,397,054 and 4,332,613

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUTIONARY STATEMENTS: See inside booklet

©UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
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Research Triangle Park, N.C. 27709

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0338G/Pending/06-04-85

GENERAL INFORMATION FOR CROP USE - WHEAT and BARLEY

2.5 CERTROL® Bromoxynil MCPA Broadleaf Herbicide is formulated specifically for blending with diclofop-methyl 3EC to provide broadleaf, wild oat and foxtail weed control in wheat and barley.

2.5 CERTROL® Bromoxynil MCPA Broadleaf Herbicide applied as directed, kills young broadleaf weeds in small grain, thus reducing competition with these crops during their early growth.

2.5 CERTROL® Bromoxynil MCPA Broadleaf Herbicide should be applied in the winter or early spring depending on the area. 2.5 CERTROL® is not registered for applications to small grains undersown with legumes.

The most important factors for effective weed control are:

1. Spray while weeds are small.
2. Uniform spray coverage.
3. Use the recommended rate.

2.5 CERTROL® Bromoxynil MCPA Broadleaf Herbicide should be applied in late winter, or early spring before broadleaf weeds have more than four true leaves. Treat after small grain has three to four leaves or are tillering. Earlier applications may affect crop vigor during poor growing weather. If severe winter damage has occurred, apply only after surviving plants have become re-established with new roots and leaves.

Most weeds should be treated before the four leaf stage. Weeds forming rosettes such as mustards and pennycress should be treated when rosettes are less than 2 inches across.

Proper timing and spray volume will vary according to the weeds present. Good coverage is essential for maximum weed control. Wide spaced, low pressure, flood type nozzles do not give satisfactory coverage. Use 10 or more gallons of water per acre with ground sprayers. The minimum aerial spray volumes in the direction for use tables may not provide sufficient spray coverage when weeds are dense or wheat growth is vigorous. Nozzle pressure should be at least 30 pounds per square inch. Width of swath must not exceed length of boom for ground application.

Short-straw varieties, such as Yoccora Rojo wheat, may not develop the canopy fast enough to shade subsequent weed flushes. Initial treatment of 2.5 CERTROL® Bromoxynil MCPA Broadleaf Herbicide will not control weeds from subsequent flushes.

Do not apply to small grains during or after the boot stage.

Do not apply when the crop is under stress for lack of water, or when crop forms a canopy over weeds.

Do not graze treated fields for 30 days after application.

Vapors from this product may injure susceptible plants in the immediate vicinity.

DO NOT APPLY TO ONIONS, GARLIC, OR FLAX AS INJURY OR STAND LOSS WILL RESULT.

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DIRECTIONS FOR CROP USE -- WHEAT and BARLEY

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABEL

2.5 CERTROL Bromoxynil MCPA Broadleaf Herbicide and diclofop-methyl 3EC Tank Mixture For Broadleaf, Wild Oat (pigeon grass) Control in Wheat and Barley.

Read and follow all label restrictions, precautions and limitations on the product label for diclofop-methyl when applying this mixture.

Area/Product	Rate/Acre	Crop	Application Timing	Weeds	Spray
Throughout the United States					
2.5 CERTROL + diclofop-methyl 3EC	0.8 pint + 2.13 pints	Winter and Spring Wheat and Spring Barley: Before or after tillering		Grasses, wild oats, fox-tail, (pigeon grass), annual ryegrass, barnyard-grass, 1-3 leaves. broadleaf weeds 2-4 leaves	Use at minimum for grass 5 gal. tion

diclofop-methyl 3EC is a registered product of American Hoechst Corporation.

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London rocket
morningglory
nettleleaf goosefoot
nightshade (annual)
pale smartweed (green smartweed)
parthenium ragweed
shepherdspurse
sow thistle (annual)
sunflower
tumble (Jim Hill) mustard
velvetleaf
wild buckwheat
wild mustard
wild radish

Chenopodium murale
Sisymbrium irio
Ipomoea hederacea
Chenopodium murale
Solanum nigrum, villosum
Polygonum lapathifolium
Parthenium hysterophorus
Capsella bursa-pastoris
Sonchus oleraceus
Helianthus annuus
Sisymbrium altissimum
Abutilon theophrasti
Polygonum convolvulus
Sinapis arvensis
Raphanus raphanistrum

PRECAUTIONARY STATEMENTS

WARNING

Hazards to Humans and Domestic Animals

Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist.

STATEMENT OF PRACTICAL TREATMENT

In case of eye contact, rinse thoroughly with water and get medical attention. In case of skin contact, wash immediately with soap and water and remove contaminated clothing.

If swallowed - drink promptly large quantities of milk, egg white, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

NOTE TO PHYSICIAN

There is no specific antidote. This product contains petroleum distillates. Gastric lavage may be contraindicated because of possibility of aspiration. Treatment of overexposure should be directed at the control of the symptoms and clinical condition.

BEST AVAILABLE COPY

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ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water. Do not contaminate water used for irrigation or domestic purposes by cleaning of equipment or disposal of waste. Do not apply when weather conditions favor drift from areas treated.

Clean sprayers thoroughly before using to apply 2.5 CERTROL® Bromoxynil MCPA Broadleaf Herbicide. To clean sprayer after using 2.5 CERTROL® Bromoxynil MCPA Broadleaf Herbicide, rinse all parts of sprayer with water several times.

Avoid spray drift to adjacent crops as injury may result. Coarse sprays are less likely to drift.

STORAGE AND DISPOSAL

Freezing does not affect the quality of 2.5 CERTROL® Bromoxynil MCPA Broadleaf Herbicide

Do not store near fertilizers, seeds, insecticides, or fungicides.

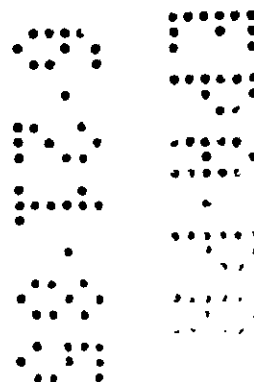
PESTICIDE DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

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

CONTAINER DISPOSAL

Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.



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 directions, 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 on food crops, 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 OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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