

Revised 10/21/85

ONE-SHOT^(TM) HERBICIDE

RESTRICTED USE PESTICIDE
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED
APPLICATORS OR PERSONS UNDER THEIR DIRECT
SUPERVISION AND ONLY FOR THOSE USES COVERED BY
THE CERTIFIED APPLICATOR'S CERTIFICATION.

ILLOXAN^(R) 3 EC HERBICIDE

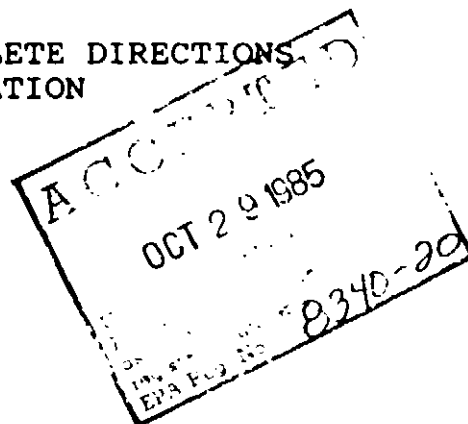
ACTIVE INGREDIENT:

Diclofop-methyl: methyl 2-
[4-(2,4-dichlorophenoxy)phenoxy]propanoate 35.49%*

INERT INGREDIENTS: 64.51%
TOTAL 100.00%

*Equivalent to 3.0 pounds of active ingredient
per gallon

SEE ENCLOSED FOLDER FOR COMPLETE DIRECTIONS
OF USE AND ADDITIONAL INFORMATION



Marketed By:

Hoechst-Roussel Agri-Vet Company
Agricultural Chemicals Unit
Somerville, NJ 08876

Hoechst 
Roussel 

EPA REG. NO. 8340-20-54382

EPA EST. NO.

NET CONTENTS: 2.66 Gallons

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes eye and skin damage. Do not get in eyes or on skin or clothing. Wear goggles and respirator when handling. Avoid contact or inhalation of spray mist. Wash thoroughly after using and change clothing. Do not take internally.

The following protective apparel must be worn during all loading and mixing operations and when applied by ground equipment: gloves, waterproof boots, impermeable pants and shirts, goggles and a cartridge type respirator. Aerial pilots are not to be involved in the mixing and loading unless the aforementioned equipment is worn. Pilots must wear a cartridge type respirator during application unless the aircraft is equipped with an air filter system.

The Environmental Protection Agency has concluded that diclofop-methyl, the active ingredient in this product, produces tumors in laboratory mice. This effect was not observed in other species tested. The user must read and follow all precautionary statements on this label. Give particular attention to protective clothing requirements.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Use with care when applying in areas adjacent to any body of water. Keep out of lakes, streams, ponds, drainage basins, tidal marshes and estuaries. Do not apply when weather conditions favor runoff or drift. Avoid direct application or drift of spray material to water surfaces. Do not apply within 100 feet of aquatic habitat. Do not contaminate arable land and/or water by cleaning of equipment and/or disposal of waste.

Front Panel - Continued

FIRST AID

In case of skin or eye contact, immediately flush with plenty of water for at least 15 minutes.

If swallowed, DO NOT INDUCE VOMITING but seek medical attention immediately.

Note to Physician: Aspiration hazard may contraindicate the use of gastric lavage. For emergency assistance call (201) 231-2244.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not store below 20°F.

Illoxan^(R) is a trademark of Hoechst AG.

Rear Panel

ONE-SHOT^(TM) HERBICIDE

2.5 CERTROL^(R)
BROMOXYNIL MCPA BROADLEAF HERBICIDE

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.

EPA REG. NO. 264-421-54382

EPA EST. NO. 264-MO-01

NET CONTENTS: 1.0 Gallon

2.5 CERTROL^(R) is a trademark of Union Carbide Corporation.

SEE ENCLOSED FOLDER FOR COMPLETE DIRECTIONS
OF USE AND ADDITIONAL INFORMATION

KEEP OUT OF REACH OF CHILDREN

WARNING

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.

Rear Panel - Continued

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.

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^(R) Bromoxynil MCPA Broadleaf Herbicide. To clean sprayer after using 2.5 CERTROL^(R) 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^(R) 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.

Left Side Panel

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) 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 (c) 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.

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 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 OF THIS PRODUCT.

Enclosed Use Directions - 3 Pages

ONE-SHOT^(TM) HERBICIDE

DIRECTIONS FOR CROP USE

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

ONE-SHOT^(TM) Herbicide contains a convenient package of Illoxan^(R) 3 EC Herbicide from Hoechst-Roussel Agri-Vet Company, and 2.5 Certrol from Union Carbide Agricultural Products Company, Inc.

GENERAL INFORMATION

ONE-SHOT^(TM) Herbicide is a unique herbicide that will provide postemergence control of both annual grass and broadleaf weeds in spring wheat and spring barley. A single package of ONE-SHOT^(TM) Herbicide contains 2.66 gallons of Illoxan^(R) 3 EC Herbicide and one (1) gallon of 2.5 Certrol.

DIRECTIONS FOR USE IN SPRING WHEAT AND SPRING BARLEY

ONE-SHOT^(TM) Herbicide should be applied to annual grasses that are in the 1-3 leaf stage of growth and annual broadleaf weeds that are in the 1 to 4 leaf stage of growth. Weeds forming rosettes, such as mustards, should be treated when the rosettes are less than 2 inches across. Applications of ONE-SHOT^(TM) Herbicide should be made when both grasses and broadleaf weeds are actively growing.

Apply the entire contents from a single package of ONE-SHOT^(TM) Herbicide on ten (10) acres of spring wheat or spring barley. This application rate is equivalent to 2.1 pints of Illoxan^(R) 3 EC Herbicide per acre, and 0.8 pints of 2.5 Certrol per acre.

BEST AVAILABLE COPY

ONE-SHOT^(TM) Herbicide, when applied as recommended, controls the following important annual grass and broadleaf weeds:

Grasses

Annual ryegrass	(<u>Lolium sp.</u>)
Giant foxtail	(<u>Setaria faberi</u>)
Green foxtail (pigeongrass)	(<u>Setaria viridis</u>)
Wild oats	(<u>Avena fatua</u>)
Yellow foxtail (pigeongrass)	(<u>Setaria lutescens</u>)
Black mustard	(<u>Brassica nigra</u>)
Bushy wallflower (treacle mustard)	(<u>Erysimum repandum</u>)
Cocklebur	(<u>Xanthium sp.</u>)
Field pennycress, fanweed	(<u>Thlaspi arvense</u>)
Kochia	(<u>Kochia scoparia</u>)
Lambsquarter	(<u>Chenopodium album</u>)
London rocket	(<u>Sisymbrium irio</u>)
Morningglory (spp.) (annual)	(<u>Ipomoea hederacea</u>)
Nettleleaf goosefoot	(<u>Chenopodium murale</u>)
Nightshade (annual)	(<u>Solanum nigrum</u>)
Pale smartweed	(<u>Polygonum</u> <u>lapathifolium</u>)
Parthenium ragweed	(<u>Parthenium</u> <u>hysterophorus</u>)
Shepherdspurse	(<u>Capsella bursa-</u> <u>pastoris</u>)
Sow thistle (annual)	(<u>Sonchus oleraceus</u>)
Sunflower	(<u>Helianthus annuus</u>)
Tumble (Jim Hill) mustard	(<u>Sisymbrium</u> <u>altissimum</u>)
Velvetleaf	(<u>Abutilon</u> <u>theophrasti</u>)
Wild buckwheat	(<u>Polygonum</u> <u>convolvulus</u>)
Wild mustard	(<u>Brassica kaber</u>)
Wild radish	(<u>Raphanus</u> <u>raphanistrum</u>)

MIXING INSTRUCTIONS

Fill the tank 1/2 full with clean water. Start the agitation. Pour the entire contents from the Illoxan^(R) 3 EC Herbicide into the spray tank. Continue the agitation in the tank and add all of the 2.5 Certrol to the spray tank and mix thoroughly. Triple rinse the empty containers into the spray tank. Maintain the agitation while filling the spray tank and throughout the application of ONE-SHOT^(TM) Herbicide.

APPLICATION INFORMATION

Ground Application: ONE-SHOT^(TM) Herbicide should be applied in a minimum of ten (10) gallons of water per acre, using a minimum of 40 psi nozzle pressure. The minimum spray volume may not provide sufficient coverage when weeds are dense. Use of flat fan nozzles is recommended. Do NOT use flood or rain drop nozzles.

Aerial Application: ONE-SHOT^(TM) Herbicide should be applied in a minimum of five (5) gallons of water per acre. Uniform spray coverage is essential. Spray no higher than ten (10) feet above the crop. Do NOT make aerial applications of ONE-SHOT^(TM) Herbicide when the wind is above 5 mph or within 100 feet of a lake, stream, drainage basin, tidal marsh, or estuary.

Application Timing

<u>States</u>	<u>Rate</u>	<u>Crop</u>	<u>Weeds</u>
Minnesota	10 acres	Spring Wheat	Grass: 1-3 leaf
North Dakota	per	and	Broadleaf: 1-4
South Dakota	package	Spring Barley	leaf; less than
Montana			2 inch rosettes

BEST AVAILABLE COPY

SPECIAL NOTES

- DO NOT apply to small grains after they have developed one node (jointing).
- DO NOT apply when the crop and weeds are under environmental stress:
 - Drought stress - weed control will be reduced
 - Cold (lower than 40°F) and/or prolonged wet weather conditions increase the sensitivity of barley to ONE-SHOT^(TM) Herbicide. DO NOT use under these adverse growing conditions.
- DO NOT tank mix with any other products (i.e., crop oil concentrate, surfactants, or any other pesticides).
- Other broadleaf herbicides should NOT be applied within five (5) days of a ONE-SHOT^(TM) Herbicide application. If other broadleaf herbicides are applied within five (5) days, reduced grassy weed control may occur.
- DO NOT graze treated fields. DO NOT harvest forage, hay, or straw from treated fields prior to grain harvest.
- Vapors from this product may injure susceptible plants in the immediate vicinity.
- DO NOT apply to cereals underseeded with legumes.
- Apply only to spring wheat and spring barley and use only in the states listed above.
- Prior to application, be sure to clean and rinse your spray equipment so that it is free of residue from previous pesticide applications.

Do not apply more than one application in a growing season.