

3068

Revised April, 1987

**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.

**ONE SHOT 2.5 EC<sup>(TM)</sup> HERBICIDE**

**ACTIVE INGREDIENTS:**

Diclofop-methyl: methyl 2-[4-(2,4-dichlorophenoxy) phenoxy]  
propanoate . . . . . 20.36%  
Equivalent to 1.88 pound of diclofop-methyl per gallon

Octanoic acid, 3,5-dibromo-4-hydroxy-benzonitrile ester and  
butyric acid, 3,5-dibromo-4-hydroxy-benzonitrile ester . . 8.10%  
Equivalent to 6.66% of total bromoxynil (3,5-dibromo-4-  
-hydroxybenzonitrile) or 0.58 pounds per gallon.

2-methyl-4-chlorophenoxyacetic acid, butoxyethyl ester . 1.78%  
Equivalent to 1.33% of MCPA (2-methyl-4-chlorophenoxyacetic acid)  
or 0.12 pounds per gallon.

**INERT INGREDIENTS:** . . . . . 69.76%

**TOTAL** 100.00%

\*Contains xylene and other petroleum distillates

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

**ACCEPTED**  
with comments  
SEP 11 1987  
8340-24

**STATEMENT OF PRACTICAL TREATMENT**

If possible, bring this container and label to the attend-  
ing physician. For emergency assistance call (201) 231-2000.

**IF SWALLOWED:** Call a physician or Poison Control Center. **DO NOT INDUCE VOMITING.** Gastric lavage should be supervised by trained personnel because of the possible pulmonary damage via aspiration of the solvent. Contains petroleum distillates.

**IF IN EYES:** Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if necessary. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Co. Name & address  
EPA Est No.

## Precautionary Statements

### Hazards to Humans and Domestic Animals

#### Warning

Causes substantial but temporary eye injury. Do not get in eyes or on skin or clothing. Wear goggles and respirator when handling. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact or inhalation of spray mist. Wash thoroughly after using and change clothing. Do not take internally. *This product may cause allergic skin reaction*

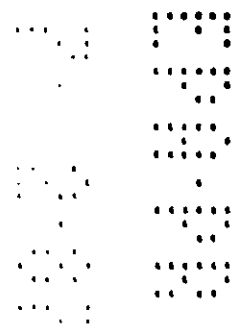
The following protective apparel must be worn during all loading and mixing operations and when applied by ground equipment: gloves, waterproof boots, impermeable pants and shirts, goggles and a cartridge type respirator. Aerial pilots are not to be involved in the mixing and loading unless the aforementioned 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, one of the active ingredients in this product, produced 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. Do not apply directly to water or wetlands. 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.

*Ground Water*



### Storage and Disposal

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

**PESTICIDE 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Do not store below 20°. Do not use or store near heat or open flame.

### IMPORTANT NOTICE: DISCLAIMER

Read "IMPORTANT NOTICE: DISCLAIMER" before buying or using. If terms are not acceptable, return at once unopened. AMERICAN HOECHST CORPORATION warrants only that the product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to AMERICAN HOECHST CORPORATION, and user assumes the risk of any such use. AMERICAN HOECHST CORPORATION MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY. In no case shall AMERICAN HOECHST CORPORATION be liable for consequential, special, indirect or incidental damages resulting from the use or handling of this product. The foregoing conditions of sale and warranty can be varied only by an agreement in writing signed by a duly authorized representative of AMERICAN HOECHST CORPORATION.

### General Information

ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide will provide postemergence control of both annual grasses and broadleaf weeds in spring wheat (including durum), spring barley, and flax, thus reducing competition with these crops during early growth stages. Read and carefully follow all label directions specified in this labeling.

## Application Equipment Notes

THE MOST IMPORTANT FACTORS FOR EFFECTIVE WEED CONTROL ARE:

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

## Ground Application

Thorough uniform coverage of the target grasses and broadleaf weeds is critical to achieving satisfactory results with ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide. The use of flat fan nozzles, spaced 10 to 20 inches apart across the boom, is recommended for optimum coverage with ground equipment. All ground applications must be in a minimum of 10 gallons of water carrier per acre, using a minimum of 40 PSI. The speed at application should not exceed 8 MPH. Do not use flood or raindrop type nozzles.

## Aerial Application

Aerial applications must be applied in at least 5 gallons of water carrier per acre. Use spray nozzle tips and sufficient pressure to provide a uniform pattern and a median droplet size of 200-350 microns. DO NOT wide swath the application; ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide is a contact material, and thorough uniform coverage of the entire target species is required for best results. DO NOT make aerial application when wind is above 5 MPH or within 100 feet of a lake, stream, drainage basin, tidal marsh, or estuary. ✓

## Directions For Crop Use

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

## Directions For Use In Winter And Spring Wheat (Including Durum), Spring Barley, and Flax

ONE SHOT 2.5 EC<sup>(TM)</sup> 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 1-4 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 2.5 EC<sup>(TM)</sup> Herbicide should be made when both grasses and broadleaf weeds are actively growing.

Short-straw varieties may not develop a crop canopy fast enough to shade subsequent weed flushes. Initial treatment with ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide will not control weeds from subsequent flushes.

Apply ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide at a rate of 3-1/2 pints per acre. This application rate is equivalent to 0.82 lbs. per acre of diclofop-methyl, 0.25 lbs. per acre of total bromoxynil and 0.05 lbs. per acre of MCPA. ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide, when applied as recommended, controls the following important annual grass and broadleaf weeds:

#### Grasses

Annual ryegrass	( <u>Lolium</u> sp.)
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> )

#### Broadleaves

Black mustard	( <u>Brassica nigra</u> )
Bushy wallflower (treacle mustard)	( <u>Erysimum repandum</u> )
Cocklebur	( <u>Xanthium</u> sp.)
Field pennycress (fanweed)	( <u>Thlaspi arvense</u> )
Kochia	( <u>Kochia scoparia</u> )
Lambsquarter	( <u>Chenopodium album</u> )
London rocket	( <u>Sisymbrium irio</u> )
Morning glory (spp.) (annual)	( <u>Ipomoea hederacea</u> )
Nettleleaf goosefoot	( <u>Chenopodium murale</u> )
Nightshade (annual)	( <u>Solanum nigrum</u> )
Pale smartweed	( <u>Polygonum lapathifolium</u> )
Parthenium ragweed	( <u>Parthenium hysterophorus</u> )
Shepherdspurse	( <u>Capsella bursapastoris</u> )
Sow thistle (annual)	( <u>Sonchus oleraceus</u> )
Sunflower	( <u>Helianthus annuus</u> )
Tumble (Jim Hill) mustard	( <u>Sisymbrium altissimum</u> )
Velvetleaf	( <u>Abutilon theophrasti</u> )
Wild buckwheat	( <u>Polygonum convolvulus</u> )
Wild mustard	( <u>Brassica kaber</u> )
Wild radish	( <u>Raphanus raphanistrum</u> )

#### MIXING INSTRUCTIONS

Fill the tank 1/2 full of clean water. Start the agitation. Pour in the correct amount of ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide (3-1/2 pints per acre). Triple rinse the empty containers into the spray tank. Maintain the agitation while filling the spray tank and throughout the application of ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide.

### Special Notes

This product is registered for use in winter and spring wheat (including durum), spring barley, and flax in the following states: Minnesota, Montana, North Dakota, and South Dakota.

1. DO NOT apply this product through any irrigation system.
2. DO NOT apply to small grains after they have developed one node (jointing) stage of growth.
3. DO NOT apply to flax within 70 days of harvest.
4. DO NOT apply when the crop and weeds are under environmental stress:
  - a. Drought stress -- weed control will be reduced.
  - b. Cold (lower than 40°F) and/or prolonged wet weather conditions increase the sensitivity of barley to ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide. DO NOT use under these adverse growing conditions.
5. DO NOT tank mix with any other products (i.e. crop oil concentrate, surfactants, fertilizers, or any other pesticides).
6. Other broadleaf herbicides SHOULD NOT be applied within five (5) days of a ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide application. If other broadleaf herbicides are applied within five (5) days, reduced grassy weed control may occur.
7. DO NOT graze treated fields. DO NOT harvest forage, hay, or straw from treated fields prior to grain harvest. DO NOT feed livestock flax straw treated with ONE SHOT 2.5 EC<sup>(TM)</sup> Herbicide.
8. DO NOT apply to cereals underseeded with legumes.
9. DO NOT apply more than one application in a growing season.
10. Prior to application, be sure to clean and rinse your spray equipment so that it is free of residues from previous pesticide applications.

9591-149 PM23 1463

FRONT PANEL

LIQUID WEED & FEED  
20-0-0

NET CONTENTS HALF GALLON  
(NET WEIGHT: 4 LBS 12 OZ)

--KEEP FROM FREEZING--  
ONE HALF GALLON COVERS UP TO 5,000 SQ. FT.

ACCEPTED  
SEP 4 1987  
Under the Federal  
Fertilizer Act  
as amended  
Registered and  
Model No. 9591-149

KILLS: Bedstraw, Black Medic, Buckhorn, Burdock, Chicory, Chickweed,  
Clover, Dandelion, Dock, Ground Ivy, Heal-All, Henbit, Knotweed,  
Lambsquarter, Lespedeza, Mallow, Morning Glory, Oxalis, Pepperg. ass,  
Pigweed, Plantains, Poison Ivy, Poison Oak, Purslane, Ragweed, Sheep Sorrel,  
Shepherd's Purse, Speedwell, Spurge, Thistle, Wild Carrot, Wild Garlic,  
Wild Lettuce, Wild Onion, Yarrow.

The fast, easy way to weed control and fertilize your lawn.

No Spreading - No Complicated Mixing  
Just attach to a garden hose & spray

ACTIVE INGREDIENTS:

*Dimethylamine Salt of 2,4-Dichlorophenoxyacetic acid.....	2.784%
**Dimethylamine Salt of 2-(2-methyl-4-chlorophenoxy) propionic acid.....	1.336%
***Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid).....	0.312%
INERT INGREDIENTS.....	95.568%
TOTAL	100.000%

This Product Contains:

\*0.220 lb. 2,4-Dichlorophenoxyacetic acid per gallon or 2.313%  
\*\*0.105 lb. 2-(2 methyl-4-chlorophenoxy) propionic acid per gallon or 1.104%  
\*\*\*0.024 lb. Dicamba (3,6-dichloro-o-anisic acid) per gallon or 0.252%

KEEP OUT OF REACH OF CHILDREN  
-- CAUTION--

STATEMENT OF PRACTICAL TREATMENT

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

See back of panel for additional precautionary statements.

Panel 1

STOP. READ THE ENTIRE LABEL FIRST.  
OBSERVE ALL PRECAUTIONS AND  
FOLLOW DIRECTIONS CAREFULLY

MEASURING  
GUIDE

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals):

CAUTION: Harmful if swallowed. Avoid contact with eyes, skin or clothing. In case of contact, immediately flush eyes or skin with plenty of water. If irritation develops get medical attention. Avoid contamination of food or feedstuffs.

ENVIRONMENTAL HAZARDS: Do not apply directly to water. Do not apply when weather conditions favor drift from target area. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate domestic or irrigation waters.

2000 SQFT

DIRECTIONS FOR USE:

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

STORAGE: Keep from freezing. Store in original container in a locked storage area inaccessible to children. Do not store near food or feedstuffs. To prevent cross-contamination, do not store near other fertilizers, insecticides, fungicides, or seeds

PRODUCT DISPOSAL: Securely wrap original container with unused product in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty container. Rinse thoroughly before discarding in trash

3000 SQFT

OTHER USE PRECAUTIONS:

Do not allow spray to drift to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants since injury may result. Do not apply to newly seeded lawn grasses until well established. Do not spray when the temperature exceeds 85°F. Seed can be safely sown 3-4 weeks after application. Do not contaminate domestic or irrigation waters. Do not use on carpetgrass, dichondra, St. Augustine, Centipede, closely-mowed bentgrass, nor on lawns or turf where desirable clovers are present. Do not spray roots of trees and ornamentals. Do not exceed specified dosages for any area; be particularly careful within dripline of tree and other ornamental species.

4000 SQFT

5000 SQFT

COVERAGE WHEN EMPTY