

PM23

15440-37

02/8/99

1 of 7



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (2805C)
475 "W" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

15440-37

FEB 8 1999

Term of Issuance:

Conditional

Name of Pesticide Product:

Agroxone

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

A.H. Marks and Company Ltd.
Wyke Bradford
West Yorkshire BD129EJ England

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any data in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label change before you release the product for shipment:

a. Revise the EPA Registration Number to read "EPA Reg. No. 15440-37".

3. Submit an acceptable dermal sensitization study (EPA Guideline 81-6) using this product as the test substance within 90 days. Alternatively, you may cite an acceptable study on a substantially similar product to fulfill this data gap.

Signature of Approving Official:

Date:

FEB 8 1999

page 2
 EPA Reg. No. 15440-37

4. Submit one copy of the revised final printed label before you release the product for shipment

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Joanne I. Miller
 Product Manager (23)
 Herbicide Branch
 Registration Division (7505C)

Enclosure

RD:STANTON:PM Team 23:Rm. 237:CM-2:305-5218:Disk #9:15440-gt.reg

CONCURRENCES							
SYMBOL *	7505C						
SURNAME *	S. Stanton						
DATE *	Feb 1, 1999						

A. H. MARKS

Agroxone

(Contains 2-methyl-4-chlorophenoxyacetic acid as dimethylamine salt)

CONTROLS BROADLEAF WEEDS IN SMALL GRAINS, FLAX AND PEAS

Keep out of reach of children

DANGER

ACCEPTED
FEB 8 1999
<small>Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 15440-37</small>

ACTIVE INGREDIENT	
2-methyl-4-chlorophenoxyacetic acid, dimethylamine salt*	52.1%
INERT INGREDIENTS	
	47.9%
TOTAL	100%

*2-methyl-4-chlorophenoxyacetic acid equivalent 42.5% or 4 pounds per gallon

Net Weight 5, 30 or 55 gallons

Produced by:

A H Marks and Company Ltd.
Wyke Bradford
West Yorkshire BD12 9EJ, England
Telephone: +44 (0)1274 691234; Telefax +44 (0) 1274 691176

EPA Reg. No. 15440-GT
EPA Est. No. 15440-EN-01

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing vapors or spray mist.

Statement of Practical Treatment

IF IN EYES: Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.
IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention.

NOTE TO PHYSICIAN: No specific antidote available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred. This product is irritating to mucous membranes. If large amounts (greater than 1 ml/kg body weight) of the product have been ingested, the stomach should be evacuated by gastric intubation with the aid of a cuffed endotracheal tube to prevent exposure of the esophagus. After removal of the stomach contents, wash the stomach by instilling 30 to 50 g of activated charcoal in 3 to 4 ounces of water through the stomach tube and again remove stomach contents. Avoid oily laxatives.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves (chemical-resistant, category A), shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler, PPE may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS
Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Drift or run-off may adversely affect non-target plants. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters.

Avoid spray drift to susceptible plants such as cotton, beans, tomatoes and ornamentals. Coarse sprays are less likely to drift. Do not apply when weather conditions favor drift from treated areas. Avoid use of small diameter spray nozzles. At high air or ground surface temperatures, vapors from this product may injure susceptible plants.

Groundwater Contamination

Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPA pesticides at such sites to prevent contamination of ground water supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent ground water contamination.

Cleaning of Equipment

Do not use the same spray equipment for other purposes unless thoroughly cleaned. When cleaning equipment, do not pour waste water on the ground. Spray or drain over a large area away from wells and other water sources.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any

requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and green houses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specified instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. These requirements only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water is: coveralls, waterproof gloves (chemical-resistant, category A), shoes plus socks and protective eyewear.

STORAGE AND DISPOSAL

Storage

Do not contaminate water, food or feed by storage or disposal. Store in original container in a dry secured storage area. Keep container tightly closed when not in use.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. 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 incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

Returnable - Refillable Containers

After use, return the container to the point of purchase or designated locations. This container must only be refilled with AGROXONE. DO NOT REUSE THIS CONTAINER FOR ANY OTHER PURPOSE. Prior to refilling, inspect thoroughly for damage such as cracks, punctures, abrasions and damaged or worn out threads on closure devices. Do not

refill or transport damaged or leaking containers. Check for leaks after refilling and before transportation.

GENERAL CAUTIONS AND RESTRICTIONS

Do not apply AGROXONE through any type of irrigation system. Do not use in or near a greenhouse.

COMPATIBILITY

If AGROXONE is to be tank mixed with other pesticides, compatibility should be tested prior to mixing. To test for compatibility, use a small container and mix a small amount (0.5 - to 1 quart) of spray, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually will appear within 5 to 15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any product(s) for which a tank mix is being considered.

GENERAL INFORMATION

AGROXONE is effective on a large number of broadleaf weeds and is useful for controlling those weeds in certain crops. Several crops such as flax, oats and small grains underseeded to legumes are more tolerant of MCPA than they are of 2,4-D. AGROXONE is the amine form of MCPA that is easily dissolved in water, even in the hard waters found in some areas. Mix thoroughly while diluting this material and mix again if allowed to stand long before spraying.

To convert locally recommended application rates into amount of AGROXONE use the following table:

MCPA Acid	Equivalent AGROXONE
1.5 lbs.	3 pints
1.25 lbs	2.5 pints
1 lb	2 pints
0.75 lb	1.5 pints
0.5 lb	1 pint
0.38 lb	0.75 pint
0.25 lb	0.5 pint

INJURY TO CROPS MAY OCCUR FROM THIS PESTICIDE. IF YOU ARE NOT PREPARED TO ACCEPT SOME DEGREE OF CROP INJURY, DO NOT USE THIS PRODUCT. Crop varieties vary in response to MCPA, and some may be easily injured. Apply AGROXONE only to varieties known to be tolerant to MCPA. If you are uncertain concerning tolerant varieties or local use situations that may affect crop tolerance to MCPA, contact your seed company or State Agricultural Extension Service for advice

GENERAL WEED LIST

Weeds controlled by properly applied treatments of AGROXONE include the following:

<i>Amaranthus</i> species (pigweeds)	annual pepperweeds
common burdock	common cocklebur
plantains	common lambsquarters
purslanes	dandelion
ragweeds	pennycress
mustard (except blue mustard)	Shepherdspurse
thistle (bull & Russian)	yellow rocket

RECOMMENDATIONS FOR APPLYING AGROXONE

WHEAT, BARLEY, OATS AND RYE

(not underseeded with legumes)

Rate of Application

For annual weeds: 0.5 pint per acre

Apply after the grain is in the 4-leaf stage, but not forming joints at the stem. **Do not spray when grain is in the boot to dough stage.**

For annual & biennial weeds: 1 to 2 pints per acre

Apply after grain is fully tillered (usually about 4 to 8 inches high), but not forming joints in the stem. The higher rate increases the risk of grain injury and should be used only where the weed control problem justifies the risk of grain damage. **Do not apply when grain is in the boot to dough stage.**

For perennial broadleaf weeds: 1.5 to 2 pints per acre

Where perennial weeds or annual and biennial weeds are present which are hard-to-kill as determined by local experience, apply after grain is fully tillered (usually about 4 to 8 inches high). but not forming joints in the stem. The higher rate increases the risk of grain injury and should be used only where the weed control problem justifies the risk of grain damage. **Do not apply when grain is in the boot to dough stage.**

FOR EMERGENCY CONTROL OF PERENNIAL BROADLEAF WEEDS IN WHEAT

Apply when the weeds are approaching bud stage, but **do not spray grain in the boot to dough stage.** The 3 pints (1.5 lb acid equivalent) per acre application can produce injury to wheat. Evaluate the severity of your weed problem against the possibility of crop damage. Where perennial weeds are scattered, spot treatment is suggested to minimize the extent of crop damage.

Rate of Application

For perennial broadleaf weeds: 3 pints per acre

WHEAT, BARLEY, OATS AND RYE

(underseeded with legumes)

Treat after the grain is tillered and in the 4-leaf stage and when legumes are 2 to 3 inches tall. Small grains should form a protective canopy over the legume seedlings. Do not use more than 6 gallons of water per acre; higher volumes may result in injury to legumes. Do not apply to grain underseeded with vetch or sweet clover. **Do not spray when grain is in the boot to dough stage.**

Rate of application

For alfalfa, alsike, red and ladino clovers, trefoil: 0.5 pint per acre

Restrictions and Limitations for use on Cereal Grains

A minimum of 10 gallons of water per acre for ground application and 2 gallons of water per acre for aerial application is recommended, unless specific site directions listed above indicate otherwise. Do not allow livestock to forage or graze treated areas within 7 days of slaughter.

FLAX

Apply when flax is 2 to 8 inches tall. Do not spray once flax has reached the bud stage.

Rate of application

For general weeds 0.3 to 0.5 pint
Use at least 8 to 10 gallons of water per acre for ground application and 3 to 5 gallons of water per acre for aerial application.

Restrictions and Limitations for use on Flax

Do not allow livestock animals to forage or graze treated areas within 7 days of slaughter.

PEAS

For Use in the Pacific Northwest only.

Treat when peas are 4 to 6 inches tall. Do not spray while peas are in blossom. Peas may show slight injury, but they usually recover a few days after treatment.

Use the higher rate before buds form on Canada thistle to prevent from going to seed. Do not spray peas that are stressed from lack of moisture or when temperatures are over 90°F.

Rate of application:

For general weeds 0.5 to 0.75 pint
Apply 15 to 30 gallons of water per acre for ground application and 5 gallons of water per acre for aerial application.

Restrictions for use on Peas

Do not allow livestock to forage or graze treated pea fields.
Do not feed treated vines to livestock
Do not treat bean type peas (i.e. crowder, blackeye, southern)

GRASSES GROWN FOR SEED PRODUCTION

Apply to established stands in the spring before the seed head comes into the boot stage. Do not spray in boot stage of growth. In seedling grasses apply in the spring after the grass has tillered or has at least 5 leaves, but before the boot stage. Use only the low rate on seedling grasses.

DO NOT USE IN CALIFORNIA

Rate of Application

For annual broadleaf weeds 1 to 2 pints per acre
For biennial & perennial broadleaf weeds 2 to 3 pints per acre

Restrictions and Limitations on Grasses Grown for Seed Production

Do not graze dairy animals or cut forage for hay within 21 days of application.

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 expert's evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and upon reports of field experience. Test have not been made on all varieties of, in all states of, 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 CLAIMS, LOSSES OR DAMAGE WHICH RESULT 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 FOR 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.

NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

agroxlab.doc
012799.dgm.ahm