



Reg # 42750-10

PM-23

File
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 1 1994

Alice Walker
ALBAUGH CHEMICAL CORP.
728 S.E. Creekview
Ankeny, IA 50021

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 07/27/93 in Response to PR Notice 93-7
EPA Reg. No. 42750-10
SHAMROX

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is **accepted**. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling
- AND
- **WITHIN** one year from date of this acceptance.

BEST AVAILABLE COPY



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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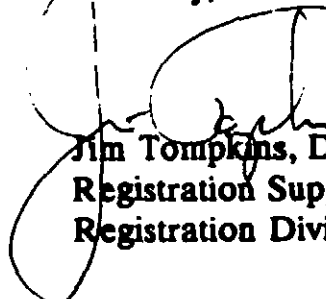
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 14 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
42750-10

ALBAUGH, INC.
MCPA ESTER
HERBICIDE

**FOR SELECTIVE CONTROL OF CERTAIN WEEDS
IN WHEAT, OATS, BARLEY, RYE, GRASSLAND,
AND IN NON-CROP AREAS**

ACTIVE INGREDIENT:

Isooctyl ester of 2-methyl-4-chlorophenoxyacetic acid*	68.7%
INERT INGREDIENTS:	31.3%
TOTAL.....	100.0%

*2-methyl-4-chlorophenoxyacetic acid equivalent 44.1%. 3.7 pounds per gallon isomer specific by AOAC Method No. 6.DO1-5.

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

See left panel for additional PRECAUTIONARY STATEMENTS.

EPA Reg. No. 42750-10

EPA Est. No. 42750-IA-1

MANUFACTURED BY:

ALBAUGH, INC.
1517 N. Ankeny Blvd.
Ankeny, Iowa 50021

NET CONTENTS __ GALS.

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PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes eye and skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid inhaling vapor or spray mist. ~~Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Mixers/loaders or applicators are required to use face shields or goggles.~~

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear coveralls over short-sleeved shirt and short pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber, or viton, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure, and chemical-resistant apron when cleaning equipment, mixing, or loading.

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 requirements 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 PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, 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 apply when weather conditions favor drift from target area. Spray equipment used in applying this product should be thoroughly cleaned before using for any other purpose. Use repeated flushing with soap and warm water or suitable chemical cleaner. It is best to use a separate sprayer for

application of insecticides and fungicides. Do not contaminate water when disposing of equipment washwaters and rinsate. When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources. Avoid contamination of water used for domestic purposes and irrigation purposes. Excessive amounts of this product in the soil may temporarily inhibit seed germination and plant growth. Do not apply around houses, recreation sites, or similar areas. This product is toxic to fish.

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 groundwater supplies. Use of closed systems for mixing or 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 groundwater contamination.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 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 over short-sleeved shirt and short pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber, or viton, chemical-resistant footwear plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

Do not apply this product through any type of irrigation system.

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REENTRY STATEMENT

~~Do not enter treated areas without protective clothing until sprays have dried. Protective clothing means, at least, a hat or other suitable headcovering, a long-sleeved shirt and long-legged trousers or a coverall-type garment (all of closely woven fabric covering the body, including the arms and legs), gloves, shoes, and socks. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.~~

NOTICE TO CROP OWNERS

~~Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. The front panel PRECAUTIONARY STATEMENTS should be read to workers as well as the instructions not to enter until sprays have dried. When oral warnings must be given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "WARNING. Area treated with MCPA on (date). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, refer to the STATEMENT OF PRACTICAL TREATMENT on the label."~~

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE AND DISPOSAL.

STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. Keep container closed when not using. Do not allow water into container as this will cause deterioration of product. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. Keep storage area locked when not in use. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under PESTICIDE DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

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DISPOSAL

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: Plastic Containers--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.

Metal Containers--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.

Read entire label before using this product.

GENERAL INFORMATION

MCPA Ester is recommended to control certain weeds in wheat, oats, barley, rye, flax, grassland, fence rows, and roadsides and other similar noncrop areas. This product is recommended to control the following as well as many other noxious plants susceptible to MCPA.

MORE SUSCEPTIBLE WEEDS

Annual sowthistle	Lambsquarters	Ragweed
Beggarticks	Marshelder	Shepherdspurse
Cocklebur	Mustards, annual	Stinkweed
Dragonhead mint	Pepperweed, field	Wild radish
Goatsbeard	Poison hemlock	Yellow rocket
Hempnettle	Puncturevine	

LESS SUSCEPTIBLE WEEDS

Buttercups	Miner's lettuce	Russian pigweed
Canada thistle	Perennial	Stinging nettle
Chervil	sowthistle	Sunflower
Dandelion	Plantains	Vetch
Kochia	Purslane	Whitetop

NOTE: Local conditions, crop varieties and application regulations vary and may affect use of this herbicide. Consult local agricultural experiment station or extension service weed specialists and state regulatory agencies for recommendations in your area.

NOTE: When stored at temperatures below freezing, it may be necessary to warm container to 45°F and mix thoroughly before using.

PREPARATION OF THE SPRAY

Mix the recommended amount of product with at least 8 to 10 gallons of water per acre for ground application and at least 3 to 5 gallons of water per acre for aerial application to give

uniform and adequate coverage. Best results are obtained when spraying is done while weeds are young and actively growing.

FIELD CROPS

Wheat, Oats, Barley, and Rye (Aerial and surface applications): Use 1/2 to a pint per acre for the more susceptible weeds after crop has reached the 3 to 4 leaf stage up to boot stage. Apply as a water mix spray. Use up to 3 pints per acre for less susceptible weeds after crop has tillered and up to early boot stage. Do not spray from boot stage to dough stage.

Flax (Aerial and surface applications): Use 1/4 to 1/2 pint per acre. Use at least 8 to 10 gallons of water per acre for ground application and at least 3 to 5 gallons of water per acre for aerial application to give uniform and adequate coverage. Apply only when weeds are up and when flax is 4 to 8 inches high and before it comes into bud. Treatment after early bud stage may result in severe damage. If Canada thistle is present, up to 3/4 pint per acre may be necessary for control. Flax may be injured at this higher rate.

PASTURELAND

Grassland (Established grassland: Aerial and surface applications): Use 1 to 3 pints per acre in sufficient water (10 to 100 gallons) for thorough coverage. Use higher rate for Whitetop, Canada thistle and other less susceptible weeds. Spray perennials in early bud to full bloom stage and during active regrowth in fall. Other weeds may be controlled during spring or fall when actively growing.

Grasses (Grown for Seed: Aerial and surface applications): Use 1 to 2 pints per acre, the higher rate where weed stands are heavy. In established grasses, apply in spring before head comes into boot and on seedling grass after grass has tillered.

NOTE: For weed control in grasses, repeat treatment may be needed for less susceptible weeds. In some areas bent, buffalo, carpet and St. Augustine grasses may also be injured by treatment.

GRAZING RESTRICTIONS

Small Grains, Flax and Sorghum: Do not graze dairy animals on treated areas until seven days after treatment. Do not forage or graze meat animals on treated areas within seven days of slaughter.

NON-CROP USES

Non-Crop Areas (Fence rows and roadsides: Aerial and surface applications): For spot treatment of Canada thistle, Whitetop, and Meadow Buttercups, use 1/4 pint in 3 to 4 gallons of water. For more extensive areas, use 3/4 gallons of MCPA Ester per acre in sufficient water to give good coverage. Spray to wet weeds thoroughly when in bud to early bloom and again during active fall regrowth.

USE PRECAUTIONS: This product will kill or seriously injure many desirable forms of vegetation. Do not apply directly to flowers, fruits, vegetables, grapes, ornamentals, cotton or other desirable plants. Do not apply by aerial application in the vicinity of sugar beets. Do

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not use when there is hazard from drifting mists. (Coarse sprays are less likely to drift). Vapor from this product may injure susceptible plants in the immediate vicinity.

Local conditions may affect the use of this chemical. Consult State Agricultural Extension or Experiment Station weed specialists for specific recommendations for local weed problems and for information on possible lower dosages.

Condition of Sale, Warranty, Limitation of Liability

This product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with directions under normal use conditions. Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, or handling of this material not in strict accordance with directions given herewith. In no case shall the seller be liable for consequential, special, or indirect damages such as loss of profits or values resulting from the use or handling of this product.

IN CASE OF EMERGENCY, CALL CHEMTREC: (800) 424-9300