

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

6/12/97

PM 23

42750-25

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Alice Walker, Ph.D.
 Albaugh, Inc.
 c/o Regulatory Consulting
 785 Country Club Drive
 Senatobia, MS 38668

JUN 12 1997

Dear Dr. Walker:

Subject: Revised Labeling and Confidential Statement of Formula
 to Specify 2-Ethylhexyl Ester of MCPA
 Albaugh SEE MCPA Ester
 EPA Registration No. 42750-25
 Your Submission Dated May 6, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Since this product has no aquatic uses, delete the phrase "For terrestrial uses..." from the beginning of the first sentence in the Environmental Hazards section.
- 2) Add the prohibition "Do not apply this product through any type of irrigation system."

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

The Agency has also reviewed your submission of the revised Confidential Statement of Formula dated May 6, 1997 for the basic formulation. It has been determined that the Confidential Statement of Formula agrees with the label claim in compliance with PR Notice 91-2 and is acceptable. The Confidential Statement of Formula has been added to your file as part of the record.

Sincerely yours,

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

Enclosure

DK: 305-7546: HB/PM-23 CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	6/12/97							

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ALBAUGH RECD 11/10/97/DPD1

SEE® MCPA Ester

'97 MAY 12 11:02

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

CONTAINS NO SOLVENT

ACTIVE INGREDIENT:	
2-ethylhexyl ester of 2-methyl-4-chlorophenoxyacetic acid*	66.51%
INERT INGREDIENTS:	33.49%
TOTAL	100.00%

* Equivalent to 42.6% of 2-methyl-4-chlorophenoxyacetic acid isomer specific or not less than 3.7 pounds of 2-methyl-4-chlorophenoxyacetic acid isomer specific per gallon at 68°F. Isomer specific by AOAC Method.

EPA Reg. No. 42750-25

EPA Est. No. 42750-MO-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

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. If person is unconscious, do not give anything by mouth and do not induce vomiting.

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

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

See additional precautions on left side panel.

Manufactured By:
Albaugh, Inc.
Ankeny, Iowa 50021

NET CONTENTS
____ Gals.
____ Liters

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE
CAL CHEMTREC (800)424-9300

ACCEPTED
with COMMENTS
In EPA Letter Dated
JUN 12 1997
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
42750-25

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

-) 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, 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 washwaters. 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 purposes. 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. 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 use when there is a hazard from drifting mists. (Coarse sprays are less likely to drift.) Vapors from this product may injure susceptible plants in the immediate vicinity. Avoid contamination of water used for domestic purposes and irrigation purposes. Excessive amounts of this product

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in the soil may temporarily inhibit seed germination and plant growth.

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 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 groundwater contamination.

PHYSICAL OR CHEMICAL HAZARDS

Do not cut or weld container.

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 intervals. 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, waterproof gloves, shoes plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

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.

GENERAL INFORMATION

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. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

STORAGE AND DISPOSAL

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

STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds and other agricultural chemicals. Keep container closed when not using. 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 usable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

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

METAL CONTAINERS - Triple rinse (or equivalent), adding rinsate to spray tank. 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.

PLASTIC CONTAINERS - Triple rinse (or equivalent), adding rinsate to spray tank. 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.

Note: SEE® MCPA Ester freezes when stored below -5°C. After thawing, all physical properties are restored.

CONTROLS THESE AND OTHER WEEDS

SUSCEPTIBLE WEEDS (MOST AREAS)

- | | |
|-------------------|-----------------------|
| Annual Sowthistle | Mustards (annual) |
| Beggarticks | Poison Hemlock |
| Cocklebur | Puncturevine |
| Dragonhead Mint | Ragweed |
| Field Peppergrass | Shepherdspurse |
| Goatsbeard | Stinkweed |
| Hempnettle | (Pennycress, Fanweed) |
| Lambsquarters | Wild Radish |
| (goosefoot) | Yellow Rocket |
| Marshelder | or Wintercress |

LESS SUSCEPTIBLE

- | | |
|----------------------|--------------------------|
| Buttercups | Plantains |
| Canada Thistle | Purslane |
| Chervil | Russian Pigweed |
| Dandelions | Sunflower |
| Kochia | Stinging Nettle |
| Miner's Lettuce | Vetch |
| Perennial Sowthistle | White Top or Hoary Cress |

PREPARATION OF THE SPRAY

Fill the spray tank with half the required amount of water, then add the recommended amount of SEE® MCPA Ester and continue filling the spray tank with the balance of water. Keep agitator running when filling spray tank and during spray operation. For crop uses, do not mix with oil, surfactant or other adjuvants as this may reduce selectivity to crops resulting in crop damage or kill. When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources.

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AMOUNT OF SPRAY TO APPLY

Apply 5 to 15 gallons of total spray per acre when making applications with ground equipment, and 3 to 10 gallons of total spray per acre when making applications by aircraft unless directed otherwise under specific directions. Do not apply MCPA isooctyl ester by aerial application in the vicinity of sugar beets. Do not apply MCPA isooctyl ester around houses, recreation sites, or similar areas. Carefully read the Environmental Hazards section of the Precautionary Statements for further information on spray volume.

SELECTIVE SPRAYING

WHEAT, OATS, BARLEY AND RYE: Apply as a water mix spray by ground sprayer or airplane. Use 1/2 to 1 pint per acre for the more susceptible weeds after crop has reached the 3 to 4 leaf stage up to boot stage. Use up to 3 pints per acre for the less susceptible weeds after crop has tillered and up to early boot stage. Do not spray from boot to dough stage. Do not forage or graze meat animals on treated areas within 7 days of slaughter. Do not forage or graze dairy animals on treated areas within 7 days after treatment.

FLAX: Use 1/4 to 1/2 pint per acre. Apply by ground sprayer or by airplane. 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, it may be necessary to go as high as 3/4 pint per acre to prevent seed head production. Some injury to the flax may result. Do not forage or graze meat animals on treated areas within 7 days of slaughter. Do not forage or graze dairy animals on treated areas within 7 days after treatment.

GRASSES

Established Grassland - Use 1 to 3 pints per acre in sufficient water (10 to 100 gallons) by airplane or ground sprayer application and give thorough coverage. Use higher rate for White Top, Canada Thistle and other less susceptible weeds. Spray perennials in early bud to full bloom stage and regrowth in fall; other weeds in spring or fall, when actively growing. Do not forage or graze meat animals on treated areas within 7 days of slaughter. Do not forage or graze dairy animals on treated areas within 7 days after treatment.

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, repeated treatment may be needed for less susceptible weeds. In some areas bent, buffalo, carpet and St. Augustine grasses may also be injured by treatment.

NON-CROP SPRAYING ALONG FENCE ROWS AND ROADSIDES: Canada Thistle, White Top and Meadow Buttercup - For spot treatment, use 1/4 pint in 3 to 4 gallons of water, or 3/4 gallon in sufficient water to give coverage for most extensive areas. Spray to wet weeds thoroughly when in bud to early bloom and again on fall regrowth.

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USE IN LIQUID NITROGEN FERTILIZER

SEE® MCPA Ester is specially formulated to be combined with liquid nitrogen fertilizer suitable for foliar application in one operation. Use SEE® MCPA Ester according to directions on this label. Use liquid fertilizer at rates recommended by supplier or Extension Service Specialist. Mix the SEE® MCPA Ester concentrate and fertilizer according to the following instructions.

Fill the tank approximately 1/2 full with the liquid fertilizer. Add the SEE® MCPA Ester concentrate while agitating the tank. Add the remainder of the liquid fertilizer while continuing to agitate. Application should be made immediately, maintaining agitation until spray tank is empty. **DO NOT APPLY DURING COLD (NEAR FREEZING) WEATHER.** Spray mixture may not be stored.

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.

SEE® is a registered trademark of Nufarm Ltd.