

MAY 24, 1991

Ms. Carol F. DiRenzo  
Registration Specialist  
Agrolinz, Inc.  
1755 Kirby Parkway, Suite 300  
Memphis, TN 38120

Dear Ms. DiRenzo:

Subject: **SEE<sup>®</sup> MCPA**  
**EPA Registration No. 42545-47**  
**Your Application of March 11, 1991**

We have completed our review of the labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended. We find that the changes you propose are acceptable, including the product name change to SEE<sup>®</sup> MCPA Ester. A stamped copy is enclosed for your records.

However, as a matter of new policy, there is a change in the language under the **Environmental Hazards** section of the label which affects all subsequent registrations and amendments. Your statement, "Do not apply directly to water or wetlands (swamps, bogs, or marshes)," should be revised to read as follows: "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

Please submit 5 copies of your final printed label incorporating these changes.

Thank you.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure

H7505C:Miller/Mayer:jem:Rm235:557-8218:05/24/91

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2 9 8  
ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
1

MAY 24, 1991

AGROLINZ, INC.

SEE® MCPA ESTER

HERBICIDE

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

42545-47

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

CONTAINS NO SOLVENT

ACTIVE INGREDIENT:

Isooctyl ester of 2-methyl-4-Chlorophenoxyacetic acid\*.....66.5%

INERT INGREDIENTS:.....33.5%

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

EPA Reg. No. 42545-47

EPA Est. No. 42545-MO-1

KEEP OUT OF REACH OF CHILDREN

**CAUTION - CAUCION**

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 soap and water.

IF IN EYES: Flush with water for 15 minutes and get medical  
attention.

See Additional Precautions on Left Side Panel

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto  
hasta que la etiqueta le haya sido explicada ampliamente.

PRECAUTIONARY STATEMENTS

**CAUTION - CAUCION**

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Do not get in eyes, on skin or on clothing. Harmful if swallowed.  
Do not breathe vapors or spray mist. Mixers/loaders or applicators  
are required to used face shields or goggles.

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**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). 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 in the soil may temporarily inhibit seed germination and plant growth. When cleaning equipment, do not pour washwater on the ground. Spray or drain over a large area away from wells or other water sources.

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 as 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.

**WARRANTY LIMITATIONS AND DISCLAIMER**

Seller warrants that this product conforms to the chemical description on the label and is reasonable fit for the purposes stated on the label when used in strict accordance with the DIRECTIONS FOR USE when used under normal conditions. THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive

rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonable foreseeable to or beyond the control of seller.

When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify seller, in writing, of any claims to be eligible to receive either remedy given below. The EXCLUSIVE REMEDY OF THE BUYER OR USER and the LIMIT OF LIABILITY of seller will be one of the following, at the election of seller:

1. Refund of purchase price paid by buyer or user for product bought or
2. Replacement of amount of product used.

The seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations and Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations and Disclaimer in any manner.

**DIRECTIONS FOR USE**

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

**REENTRY STATEMENT**

Do not enter treated areas without protective clothing until sprays have dried. Protective clothing means, at least, a hat or other suitable head covering, 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), 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.

**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

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of use, storage or handling of this material not in strict accordance with directions given herewith. Do not apply this product through any type of irrigation system.

**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<sup>9</sup> 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  | Mustard (annual)      |
| Beggarticks        | Poison hemlock        |
| Cocklebur          | Puncturevine          |
| Dragon head mint   | Ragweed               |
| Field pepper grass | Shepherdspurse        |
| Goats Beard        | Stinkweed             |
| Hempnettle         | (pennycress, fanweed) |
| Lambsquarters      | Wild radish           |
| (goosefoot)        | Yellow rocket         |
| Marsh elder        | or wintercress        |

**LESS SUSCEPTIBLE**

|                      |                          |
|----------------------|--------------------------|
| Buttercups           | Plantains                |
| Canada thistle       | Purshlane                |
| 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<sup>®</sup> 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.

**AMOUNT OF SPRAY TO APPLY**

Apply 5 to 15 gallons of total spray per acre when making applications with ground equipment, and 1 to 5 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.

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**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 (up to 10 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 to 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.

**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.

Manufactured by:

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