



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
35935-20

Date of Issuance:  
APR 1 1997

NOTICE OF PESTICIDE:  
  x   Registration  
       Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
See MCPA Ester  
Herbicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Nufarm Limited  
1009-D West St. Maartens Drive  
St. Joseph, MO 64506

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 name 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 changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 35935-20".
  - b. Delete the word "STORAGE" at the end of the first line of the "STORAGE AND DISPOSAL" instructions and add it as a sub-heading immediately below the first line.
  - c. Correct the typographical error in the third line of the "PLASTIC CONTAINERS" disposal instructions. The word "it" should be replaced with the word "if".

Signature of Approving Official:

Date:

APR 1 1997

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page 2  
EPA Reg. No. 35935-20

- d. Under "GRASS AND NON-CROP USES", delete the box and all of the statements contained therein regarding PPE and re-entry requirements for Agricultural and Non-Agricultural uses. These statements are not appropriate for MCPA products.
- e. Add a Non-Agricultural Use Requirements box below the Agricultural Use Requirements box as on the cited product (EPA Reg. No. 42750-25) label. The Non-Agricultural Use Requirements box should contain the following statements:

"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."

3. Submit one copy of the revised final printed label for the record 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)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

RD:STANTON:PM Team 23:Rm. 235:CM-2:305-5218:Disk #5:35935-20.REG

CONCURRENCES

SYMBOL >	7505C							
SURNAME >	S. Stanton							
DATE >	Mar 5, 1997							

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ACCEPTED  
with COMMENTS  
In EPA Letter Dated

APR 1 1997

NUFARM LIMITED  
**SEE® MCPA ESTER**  
HERBICIDE

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
35935-28

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\*..... 66.5%  
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-chlorophenoxyacetic acid isomer specific per gallon at 68°F. Isomer specific by AOAC Method.

EPA Reg. No. 35935-

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 plenty of soap and water. Get medical attention.

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

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

SEE OTHER SECTIONS OF THE LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS 2.5 GALLONS

Manufactured by:  
NUFARM LIMITED  
1009D WEST ST. MAARTENS DRIVE  
ST. JOSEPH, MO 64506

Telephone: (816) 279-1500  
Fax: (816) 279-1884

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## PRECAUTIONARY STATEMENTS

### CAUTION - CAUCION

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

When handlers use enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections 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 clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 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 or 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.

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

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 (RE) 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

#### **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. 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 re-label 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:**

**DO NOT REUSE EMPTY CONTAINER**

**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  | 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       | 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.

## 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. Carefully read the Environmental Hazards section of the Precautionary Statements for additional restrictions on the use of this product.

## 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.



### GRASS AND NON-CROP USES

#### Agricultural Uses (Grass Seed Crops and Established Grassland)

When used on grass seed crops and sod farms, follow the PPE and re-entry instructions in the "Agricultural Use Requirements" section of this label.

#### Non-Agricultural Uses (Fence Rows and Roadsides, excluding Established Grassland and Grass Seed Crops)

- Do not allow people (other than applicator) or pets on treatment area during application. Do not enter into treated areas until sprays have dried.

Wear long-sleeved shirt, long pants, socks, shoes and chemical resistant gloves. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

Established Grassland - Use 1 to 3 pints per acre in sufficient water, (up to 10 gallons by airplane or up to 100 gallons by ground sprayer application), to 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 - Use 3 quarts of product in sufficient water for good coverage. Spray to the point of runoff to thoroughly wet weeds when in bud to early bloom, and again on fall regrowth.

For spot treatment, use 1/4 pint in 3 to 4 gallons of water.

#### 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.

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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.