

11685-21

02/12/1998

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Mr. William M. Mahlburg
Nufarm Americas, Inc.
1009-D West St. Maartens Dr.
St. Joseph, MO 64506

FEB 12 1998

Dear Mr. Mahlburg:

SUBJECT: Label Amendment Deleting Rice Use Pattern
Rhonox® MCPA Low Volatile Herbicide
EPA Registration Number: 11685-21
Your Submission, Dated May 12, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided you make these changes:

1. Add the following sentence at the end of the dermal ("If on skin") statement of practical treatment: "Get medical attention."
2. Insert the following statement at the beginning of the Hazards To Humans and Domestic Animals section: "Causes moderate eye irritation."
3. Delete the phrase "For terrestrial uses," from the beginning of the statement prohibiting applications directly to water (third sentence of the Environmental Hazards section). With the deletion of directions for use on rice, there are no longer any aquatic uses on the label, eliminating the need for this qualifying phrase.

A stamped copy is enclosed for your records. Please submit one copy of the final printed labeling before you release the product for shipment.

Sincerely yours,



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

Enclosure

RD:STANTON:PM Team 23:Rm. 237:CM-2:305-5218:Disk #7:S523771.LET

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	S. Stanton							
DATE ▶	Feb 12, 1998							

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ACCEPTED
with COMMENTS
in EPA Letter Dated

FEB 12 1998

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

11685-21

RECD EPA/OPP/DPD1

'97 MAY 15 10 31



RHONOX[®]

MCPA Low Volatile Herbicide

**CONTROLS BROADLEAF WEEDS IN SMALL GRAINS,
FLAX, RANGELAND AND PASTURE, TURF AND
OTHER NON-CROP AREAS**

(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 aspiration of petroleum distillates. After removal of stomach contents, wash stomach by instilling 30 to 50 grams of activated charcoal in 3 to 4 ounces of water through the stomach tube and again remove stomach contents. Avoid oily laxatives.

ACTIVE INGREDIENT:

2-Ethylhexyl ester of 2-Methyl-4-chlorophenoxyacetic acid	67.9%*
INERT INGREDIENTS:	32.1%
TOTAL:	100.0%

Contains Petroleum Distillates

*2-Methyl-4-chlorophenoxyacetic acid equivalent 44.1% by weight or 3.7 pounds per gallon

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray mist.

Personal Protective Equipment (PPE):

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

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber or viton, and shoes plus socks.

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 (personal protective equipment) may be reduced or modified as specified in the WPS.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Below For Additional Precautionary Statements

EPA REG. NO. 11685-21
EPA EST. NO. _____

NET CONTENTS _____ GALS. (_____ L)

EXP04/97

For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, Call CHEMTREC Day or Night 1-800-424-9300

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.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: If patient is conscious and alert, give 2 to 3 glasses of water. Do not induce vomiting. May cause aspiration pneumonia. Never give anything by mouth to an unconscious person. Get medical attention.

If on skin: Wash with plenty of soap and water, if available.

If in eyes: Flush with a steady, gentle stream of water for 15 minutes. Call a physician if irritation persists.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration. Administer oxygen if necessary. Get medical attention.

Note to physician: No specific antidote is 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 contains petroleum distillates. If large amounts

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Drift or run-off may adversely affect non-target plants. 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 contaminate water when disposing of equipment washwaters.

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 crops. Do not use in a greenhouse.

Ground Water Contamination: Most cases of ground water 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 same spray equipment for other purposes unless thoroughly cleaned. When cleaning equipment, do not pour washwater 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 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 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, chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber or viton, and shoes plus socks.

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 toxic. 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: Metal: 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. **Plastic:** 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.

GENERAL CAUTIONS AND RESTRICTIONS

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

COMPATIBILITY

If this product 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 mixture is being considered.

GENERAL INFORMATION

This product is effective on a wide range of broadleaf weeds and is useful for controlling these weeds in certain crops. Several crops, such as flax, oats and small grains are more tolerant of MCPA than they are of 2,4-D.

This herbicide is an isooctyl ester formulation of MCPA that mixes easily 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.

WEEDS CONTROLLED BY PROPERLY APPLIED TREATMENTS OF THIS HERBICIDE INCLUDE THE FOLLOWING:

- | | |
|---|-----------------------------------|
| <i>Amaranthus</i> species
(pigweeds) | pepperweeds
(except perennial) |
| common burdock | purslanes |
| common cocklebur | ragweed |
| common lambsquarters | (common and giant) |
| dandelion | shepherdspurse |
| field pennycress | thistle |
| mustard
(except blue mustard) | (bull and Russian) |
| plantains | yellow rocket |

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 this herbicide 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.

**RECOMMENDATIONS FOR APPLYING
RHONOX® HERBICIDE**

CEREAL GRAINS		
CROP	AMOUNT RHONOX® PER ACRE	DIRECTIONS
WHEAT, BARLEY, OATS and RYE (not underseeded with legumes)		
Annual weeds	½ pint	Apply after grain is in the 3 to 4 leaf stage but not forming joints in the stem. Do not spray in the boot stage to dough stage.
Annual and biennial weeds	1 to 1½ pint*	Apply after grain is fully tillered (usually about 4 to 8 inches high, but not forming joints in the stem). Do not apply in the boot to dough stage.
Perennial broadleaf weeds	1½ pint*	

*Use the lower rate if small annual and biennial weeds are the major problem. Use the higher rate if perennial weeds or annual and biennial weeds are present which are in the hard-to-kill categories as determined by local experience. The higher rates increase the risk of grain injury and should be used only where the weed control problem justifies the risk of grain damage.

RESTRICTIONS AND LIMITATIONS FOR USE ON SMALL GRAINS

Use a minimum of 10 gallons of water per acre for ground application and 2 gallons of water per acre for aerial application.

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

FLAX		
CROP	AMOUNT RHONOX® PER ACRE	DIRECTIONS
FLAX	¼ to ½ pint	Apply when flax is 2 to 8 inches tall. Do not spray once flax has reached the bud stage.

RESTRICTIONS AND LIMITATIONS FOR USE ON FLAX

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

Use a minimum of 8 gallons per acre for ground application and 3 gallons per acre for aerial application.

ESTABLISHED GRASS PASTURES AND RANGELAND		
CROP	AMOUNT RHONOX® PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 to 2 pints	Apply when weeds are small and actively growing and prior to bud stage. Do not apply to newly seeded areas until grass is well established. Do not apply when grass is in the boot to milk stage if grass seed production is desired. Bentgrass and legumes may be injured by this treatment.
Perennial and biennial broadleaf weeds	2 to 3 pints	

RESTRICTIONS AND LIMITATIONS FOR USE ON PASTURES AND RANGELAND

For ground application, use a minimum of 10 gallons of water per acre.

For aerial application, use a minimum of 2 gallons of water per acre.

Do not graze animals on treated areas within 7 days after treatment.

GRASSES GROWN FOR SEED PRODUCTION		
CROP	AMOUNT RHONOX® PER ACRE	DIRECTIONS
Annual and perennial broadleaf weeds	1 to 2 pints	Apply to established stands in spring from tiller to early boot stage. Do not spray in boot stage. New spring seedlings may be treated with the lower rate after grass seedlings have at least 5 leaves. Perennial weed regrowth may be treated in the fall.

RESTRICTIONS AND LIMITATIONS FOR USE ON GRASSES GROWN FOR SEED

For ground application, use a minimum of 10 gallons of water per acre.

For aerial application, use a minimum of 2 gallons of water per acre.

NON-CROP (Roadsides, fencerows, vacant lots, rights-of-way and other similar areas)		
CROP	AMOUNT RHONOX® PER ACRE	DIRECTIONS
Annual, biennial and perennial broadleaf weeds	6 pints	Apply when annual broadleaf weeds are young and actively growing and perennial and biennial broadleaf weeds are actively growing and near the bud stage but before flowering. A second application may be required for best results on perennial and biennial weeds.

RESTRICTIONS AND LIMITATIONS FOR USE ON NON-CROP AREAS

For ground application, use a minimum of 10 gallons of water per acre.
 For aerial application, use a minimum of 2 gallons of water per acre.

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.

ORNAMENTAL TURF AREAS (Golf courses, cemeteries, and similar established grass areas)		
CROP	AMOUNT RHONOX® PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 to 3 pints	Apply when annual broadleaf weeds are growing vigorously. Spring or fall applications will give the best results. Do not mow within 2 days before or after application. Do not use on lawns of creeping grasses such as bentgrass nor on freshly seeded turf until the grass has become well established.

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.

Manufactured by
Nufarm UK Limited
1009-D West St. Maartens Dr.
St. Joseph, MO 64506

RHONOX® is a registered trademark of Nufarm Americas, Inc.

RESTRICTIONS AND LIMITATIONS FOR USE ON TURF AREAS

For ground application on turf areas use enough water for good coverage (minimum of 10 gallons per acre).
 Do not apply around houses, recreation sites or similar areas.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) 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 (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or 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 LOSS OR DAMAGE WHICH RESULTS 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 OF THE