



11/15/2001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

4/12

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Steve A. McMaster
Regulatory Manager
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

NOV 15 2001

Dear Mr. McMaster:

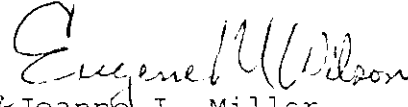
Subject: MCP Amine
EPA Registration No. 62719-13
Application and Your Letter Dated November 1, 2001,
Request To Amend Registration by Revising First Aid
Statements in Compliance with PR Notice 2001-1; and the
Terms and Conditions of Use Section

The proposed labeling amendments have been reviewed
and found acceptable under the Federal Insecticide, Fungicide and
Rodenticide Act (FIFRA), as amended, provided that you:

1. Revise the "Agricultural Use Requirements" section by
changing the PPE required by deleting "Waterproof gloves"
to "Chemical Resistant Gloves, such as butyl rubber > 11
mils; or natural rubber > 14 mils; or neoprene rubber >
14 mils; or nitrile rubber > mils.
2. Submit one (1) copy of the final printed label prior to
your shipment of this pesticide product under the
enclosed revised stamped label.

If these conditions are not complied with, the registration
will be subject to cancellation in accordance with FIFRA, section
6(e). Your release for shipment under this labeling
constitutes acceptance of these conditions. A stamped copy of
the label is enclosed for your records.

Sincerely yours,


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

Enclosure

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**ACCEPTED
with COMMENTS
In EPA Letter Dated**

NOV 15 2001

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

62719-13

(Base Label):

(Logo) Dow AgroSciences

MCP Amine

For selective control of many broadleaf weeds in wheat, barley, oats, rye, flax, peas, alfalfa, clover, sod farms, grasses grown for seed, ornamental turf, pasture, rangeland, and non-cropland areas.

Active Ingredient(s):

2-methyl-4-chlorophenoxyacetic acid, dimethylamine salt	52.1%
Inert Ingredients	47.9%
Total	100.0%

Contains Dimethylamine Salt† of MCPA

Acid Equivalent: 42.5% - 4 pounds per gallon.

†Salts are the least volatile forms of MCPA and do not release enough vapors from treated areas to reduce yield of adjacent susceptible crops.

Keep Out of Reach of Children

DANGER PELIGRO

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Corrosive • Causes Irreversible Eye Damage • Harmful If Swallowed, Inhaled Or Absorbed Through Skin

Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

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

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.

Engineering Controls Statements

- 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:

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- 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.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

Environmental Hazards

Drift or runoff may adversely affect nontarget plants. 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 or rinsate.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-13

EPA Est. 464-MI-1

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Herbicide

Net Contents - __ gal

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(Label Booklet Cover):

(Logo) Dow AgroSciences

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Refer to inside of label booklet for additional precautionary information including **Personal Protective Equipment (PPE), Engineering Controls Statements and User Safety Recommendations, and Directions for Use including Storage and Disposal.**

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(Page 1 through end):

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- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
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Environmental Hazards

Drift or runoff may adversely affect nontarget plants. 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 or rinsate.

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 48 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

Storage and Disposal

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

Storage: Keep container tightly closed when not in use. DowElanco MCP Amine, exposed to subfreezing temperatures, should be warmed to at least 40° F and mixed thoroughly before using.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. 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: 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.

General Information

MCP Amine herbicide is a water soluble concentrate for selective control of many broadleaf weeds in wheat, barley, oats, rye, flax, peas, alfalfa, clover, sod farms, grasses grown for seed, ornamental turf, pasture, rangeland, and non-cropland areas.

Do not apply where spray drift may be a problem due to proximity of susceptible crops or other desirable plants. Read and follow all Use Precautions in this label.

General Use Precautions

Be sure that the use of this product conforms to all applicable regulations.

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

Avoiding Injury to Non-target plants

Avoid contact with susceptible crops and other desirable broadleaf plants. This product is injurious to most broadleaf plants. Therefore, do not apply directly to or otherwise permit even minute amounts (as in spray mist) to contact cotton, grapes, tobacco, fruit trees, vegetables, flowers, ornamentals or other desirable plants. Do not use in or near a greenhouse.

Do not apply this product in the vicinity of cotton, grapes, tobacco, tomatoes, or other desirable susceptible crops or ornamental plants.

Do not spray when wind is blowing toward susceptible crops or ornamental plants.

Spray Drift Precautions

Avoiding spray drift is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and grower are responsible for considering all of these factors when making decision to apply this product.

Applications should be made only when there is little no hazard from spray drift since very small quantities of the spray, which may not be visible, may severely injure susceptible crops during both growing and dormant periods. Use coarse sprays to minimize drift since, under certain weather conditions, fine spray droplets may drift a mile or more. A spray thickening agent may be used with this product to aid in reducing spray drift. If used, follow all use recommendations and precautions on the product label.

Aerial Application: The following drift management requirements must be followed to avoid off-target drift movement from aerial applications.

1. The distance between the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel to the air stream and never downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory.

Ground Application: With ground equipment, spray drift can be lessened by keeping the spray boom as low as possible; by applying 10 or more gallons of spray per acre; by using no more than 20 pounds spraying pressure with large-droplet producing nozzle tips; by spraying when wind velocity is low; and by stopping all spraying when wind exceeds 8 miles per hour. Do not apply with hollow cone-type insecticide or other nozzles that produce hazardous amounts of fine spray droplets.

Determine Air Movement and Direction Before Application: Use a smoke generator or other means at or near the application site to detect air movement, air stability, or temperature inversion. A temperature inversion is indicated when smoke does not rise in a column, but layers above the ground, and is most likely to occur in early morning or evening under calm or nearly calm conditions. Do not apply when there is a temperature inversion. Use appropriate drift control measures or avoid application when smoke indicates wind direction is toward desirable susceptible plants or sensitive areas.

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Mixing and Loading

Most cases of groundwater contamination involving phenoxy herbicides such as MCP Amine have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCP 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.

Cleaning of Equipment

To avoid injury to desirable plants, do not handle or apply other agricultural chemicals with the same containers used for this product. Do not apply other agricultural chemicals or pesticides with equipment used to apply this product unless equipment has been thoroughly cleaned to remove all traces of this product. Local conditions may affect the use of herbicides. Consult your state agricultural experiment station or extension service weed specialist for cleaning methods which are in compliance with local regulations.

Disposal of Washwaters or Rinsate: When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area or treatment site away from wells and other water sources.

Weeds Controlled

Susceptible Most Areas

beggarticks
 cocklebur
 goatsbeard
 hemlock, poison
 hempnettle
 lambsquarters
 marshelder
 mint, dragonhead
 mustards, annual
 pepperweed, field
 puncturevine
 radish, wild
 ragweed
 shepherdspurse
 sowthistle, annual
 stinkweed
 yellow rocket
 many others

Less Susceptible

buttercup
 chervil
 dandelion
 kochia
 lettuce, miner's
 nettle, stinging
 pigweed, Russian
 plantains
 purslane
 sowthistle, perennial
 sunflower
 thistle, Canada
 vetch
 whitetop

Local conditions may affect the use of this product. Consult your state agricultural experiment station or extension service weed specialist in selecting treatments from this label to best fit local conditions.

Mixing

Mix MCP Amine only with water. Fill the mixing tank or spray tank about 3/4 full, then add the required amount of MCP Amine with agitation, and then add the rest of the water with continuing agitation. **Note:** Adding oil, wetting agent or other surfactant to the spray mixture may reduce selectivity to crops, possibly resulting in crop injury.

Application

Apply MCP Amine when weeds are young and actively growing. Where a rate range is given, use lower rates for young, succulent growth of sensitive weed species and higher rates for less sensitive species and when growing conditions are less favorable. Uniform spray coverage is necessary. Use moderate spray pressure (20 psi) and enough spray volume for good coverage, 5 or more gallons per acre for ground application and at 3 or more gallons per acre for aerial application. Increase spray volume to

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improve coverage of dense foliage. To avoid increasing spray drift, always use larger nozzle tips to increase spray volume rather than increasing spray pressure.

Spot Spraying: Hand-held sprayers may be used for spot applications. Care should be taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table (fl oz/ml) are based on a treatment area of 1,000 sq ft and, when mixed with 1 to 3 gallons of water, are equivalent to the indicated broadcast application rate (pt/acre). To calculate the amount of product required for areas larger than 1,000 sq ft, multiply the table value (fl oz/ml) by the "thousands" of sq ft to be treated (e.g., 3,500 sq ft ÷ 1,000 = 3.5 thousands).

Table values are the amount of product to be mixed with 1 to 3 gallons of spray and applied to 1,000 sq ft.					
Equivalent Broadcast Rate (pt/acre)					
1/2 pt/acre	1 pt/acre	2 pt/acre	3 pt/acre	4 pt/acre	5 pt/acre
1/5 fl oz (5.4 ml)	3/8 fl oz (11 ml)	3/4 fl oz (22 ml)	1.1 fl oz (33 ml)	1.5 fl oz (44 ml)	1.8 fl oz (55 ml)

†1 fl oz = 29.6 (30) ml

Approved Uses

Weed Control in Crops

Agricultural Use Requirements for Crops: For the following crop uses, follow PPE and Reentry instructions in the "Agricultural Use Requirements" section of this label.

Flax (For Use Only in Idaho, Oregon and Washington)

For control of susceptible weeds, apply MCP Amine at a rate of 1/2 pint per acre in a spray volume of 10 or more gallons of water per acre. Apply when flax is 3 to 6 inches tall before buds begin to form. Rates of 3/4 to 1 pint per acre may be needed to control some weeds such as wild buckwheat, smartweed and thistles but flax may also be injured at these rates. Consult local extension service or university specialists for advice on herbicide use in flax.

Restriction: Do not forage or graze meat animals on treated areas within seven days of slaughter.

Small Grains (Wheat, Oats, Barley, and Rye)

Grazing Restrictions (Small Grains):

- 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.

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Wheat, Barley, Oats or Rye Not Underseeded to Legumes

Apply as a broadcast spray using aircraft or ground equipment. Use a spray volume of 3 or more gallons per acre by air and 10 or more gallons per acre by ground. Apply MCP Amine at a rate of 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. Do not apply during the boot to dough stage of crop growth.

Emergency Treatment for Perennial Broadleaf Weeds: Apply after crop is tillered and at least 8 to 10 inches tall up to early boot stage. Apply MCP Amine at up to 3 pints per acre for perennial and less susceptible weeds. Perennial weeds are most susceptible when approaching the bud stage of growth. Do not apply during boot to dough stage of crop growth. The 3 pint per acre rate can produce crop injury. The possibility crop injury should be balanced against the severity of the weed problem and a proper judgment made. Where weeds are scattered, consider spot application.

Wheat, Barley, Oats and Rye Underseeded with Legumes

(Alfalfa, Birdsfoot Trefoil, Lespedeza, Red, White or Ladino Clover)

For control of serious infestations of mustard, yellow rocket, and other susceptible broadleaf weeds. Apply when legume seedlings are 2 to 3 inches tall and after small grain crop is well tillered (4 to 8 inches tall) and before reaching boot stage. The nurse crop and weeds should provide a protective canopy which, together with the use of reduced spray volume applied at low pressure, will reduce the risk of damage to the legumes. Apply MCP Amine at a rate of 1/4 to 1/2 pint per acre in not more than 5 to 10 gallons of water per acre. Do not apply to small grains underseeded with vetch or sweet clover, which are very susceptible. There is also some risk to other legumes if only thinly protected by the crop and weed canopy.

Peas (For Use Only in Idaho, Oregon and Washington)

Use only where recommended by local agricultural extension service or experiment station specialists. For control susceptible weeds apply MCP Amine at a rate of 1/4 to 1/3 pint per acre. Use a spray volume of 15 or more gallons per acre for ground application or 5 or more gallons per acre if applied by aircraft. Apply before first flowering when peas are 3 to 7 inches tall and when weeds are small. Higher rates of 1/2 to 3/4 pint per acre may be used to improve control of difficult weeds but crop injury is more likely to occur. Do not apply if peas are taller than 7 inches or when peas are stressed for lack of soil moisture. Do not apply when air temperature is over 90 °F. **Note: This product can cause injury and delayed maturity in the pea crop.**

Restrictions:

Do not allow livestock to forage or graze treated fields or feed treated vines to livestock. Do not treat bean-type peas such as Crowder, Blackjack, etc.

Established Alfalfa or Clover (Dormant Application)

To control annual mustards and other susceptible winter annual broadleaves, apply MCP Amine at the rate of 1 pint per acre in late fall after frost has killed top growth and crop is dormant. For best results, the temperature at the time of application should be above 40 °F.

Sod Farms

For broadcast application, apply MCP Amine at a rate of 1 to 3 pints per acre in a spray volume of 10 to 100 gallons of water. Use a higher rate in rate range for heavy infestations or less susceptible weed species. For best results, apply in spring or fall when weeds are rapidly growing and do not mow for 2 days before or after application. For spot treatment or treatment of small areas, use 1 fluid ounce per 1000 sq ft in 1 to 3 gallons of spray and apply uniformly.

Note: Repeat applications may be required for less susceptible weeds. In some areas, bent, buffalo, carpet, and St. Augustine grasses may also be injured.

Grasses Grown for Seed

Apply MCP Amine as a broadcast spray at 1 to 2 pints per acre using ground equipment or aircraft. Use a spray volume of 10 or more gallons per acre by ground or 3 or more gallons per acre by air. Use a higher rate in rate range for heavy infestations or less susceptible weed species. In established grasses apply in spring before head comes into boot. On newly seeded areas, do not apply until grass is well established as indicated by development of tillering and a secondary root system. Where grass seed production is desired, do not apply from early boot to milk stage of crop development.

Note: Repeat applications may be required for less susceptible weeds. In some areas, bent, buffalo grasses may be injured.

Weed Control In Ornamental Turf, Rangeland and Pasture, and Non-Cropland Areas

Use Requirements for Rangeland, Pasture and Non-cropland Areas: No Worker Protection Standard worker entry restrictions or worker notification requirements apply when this product is applied to rangeland, pasture or non-cropland areas.

Established Lawns and Turf (Not Grown for Sod or Seed)

For broadcast application, apply MCP Amine at a rate of 1 to 3 pints per acre in a spray volume of 10 to 100 gallons of water. Use a higher rate in rate range for heavy infestations or less susceptible weed species. For best results, apply in spring or fall when weeds are rapidly growing and do not mow for 2 days before or after application. For spot treatment or treatment of small areas, use 1 fluid ounce per 1000 sq ft in 1 to 3 gallons of spray and apply uniformly. Repeat applications may be required for less susceptible weeds.

Precautions:

- White clover and other legumes may be temporarily injured or killed.
- In some areas, bent, buffalo, carpet, and St. Augustine grasses may also be injured.
- Do not apply to dichondra.

Established Pastures and Rangeland

Weed Control in Grass Pastures and Rangeland

Apply MCP Amine as a broadcast spray at a rate of 1 to 4 pints per acre using ground equipment or aircraft. Use sufficient spray volume for thorough coverage; 10 or more gallons per acre by ground or 3 or more by aircraft. For best results, apply when weeds are small and actively growing. Use higher rate dense weed infestations and for whitetop, Canada thistle, buttercup, and other less susceptible weeds. Spray perennials in early-bud to full bloom stage and regrowth in the fall. Treat other weeds in spring or fall. Legumes may be injured or killed. Do not use this treatment where legumes, especially alfalfa, are present and desirable. Do not use on newly seeded areas until grass is well established.

Non-Cropland Areas

For control of weeds such as Canada thistle, whitetop, meadow buttercup, field bindweed (morning glory) and Texas blueweed in non-crop areas such as fence rows, farm yards, shelter-belts and roadsides: For spot treatment, use 1/4 pint of MCP Amine in 3 gallons of water, or 3/4 gallon per acre in a spray volume of 15 to more gallons to give coverage of extensive areas. control weeds such as Canada thistle, whitetop, meadow buttercup and Texas blueweed. Apply when weeds are in bud to early bloom and growing vigorously. Treat fall regrowth if necessary.

Restriction: Do not forage or graze livestock on treated areas within seven days of treatment.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. All such risks shall be assumed by Buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

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

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer and Inherent Risks of Use above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

EPA-Accepted ___/___/___