

62719-13

6/19/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Diego Fonseca, Ph.D.
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

JUN 19 2013

Subject: Label amendment in response to Agency letter dated July 13, 2012 requiring revised plant-back intervals for MCPA
Product Name: MCP Amine Herbicide
EPA Reg. No: 62719-13
Decision Number: 470395

Dear Dr. Fonseca:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable, as amended

One copy of labeling for these products, stamped "Accepted with Comments," is enclosed for your records. Products released for shipment after 18 months from the date on this notice or the next printing of the label, whichever occurs first, must bear the new revised label. Amended labeling will supersede all previously accepted ones.

Per 40 CFR 156.10(6), submit one copy of your final printed labeling before you release the product for shipment. If you have questions or concerns regarding this letter, please contact Beth Benbow at (703) 347-8072 or email at benbow.bethany@epa.gov.

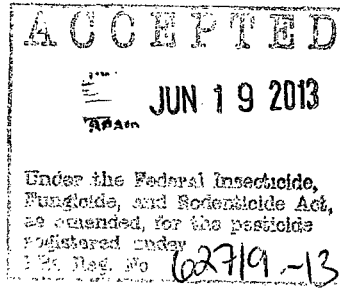
Sincerely,

A handwritten signature in cursive script that reads "Kathryn V. Montague".

Kathryn V. Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)

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(Base Label):



MCP Amine Herbicide

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%
Other Ingredients	47.9%
Total	100.0%

Contains Dimethylamine Salt of MCPA

Acid Equivalent: 42.5% - 4 pounds per gallon.

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 Or Absorbed Through Skin

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

Personal Protective Equipment (PPE)

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

Mixers, loaders, applicators, flaggers and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves (such as or made of any waterproof material) when mixing, loading, or using any hand-held equipment
- Shoes plus socks
- Protective eyewear (goggles or face shield)

Additional PPE requirements for mixers and loaders supporting aerial application to rangelands, pasture lands, or noncropland. These mixers/loaders also must wear:

- a chemical-resistant apron
- a NIOSH-approved respirator with a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or any N², R, P or HE filter.

See Engineering Controls for additional requirements.

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

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cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)].

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE 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

This pesticide may be toxic to fish, aquatic invertebrates and aquatic 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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.

(Storage and Disposal for rigid containers 5 gal or less)

Storage and Disposal

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

Pesticide Storage: Keep away from fire and sparks. Store in a cool, dry, well-ventilated area.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

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Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for nonrigid containers any size)

Storage and Disposal

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

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Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for refillable rigid containers larger than 5 gal)

Storage and Disposal

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

Pesticide Storage: Keep away from fire and sparks. Store in a cool, dry, well-ventilated area.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refer to label booklet for Directions for Use.

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.

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

EPA Reg. No. 62719-13

EPA Est. _____

®Trademark of Dow AgroSciences LLC
Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Net Contents __ gal

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(cover):

MCP Amine Herbicide

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Agricultural Use Requirements

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Refer to inside of label booklet for additional precautionary information including Directions for Use.

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.**

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EPA Est. _____

®Trademark of Dow AgroSciences LLC

**Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268**

Net Contents __ gal

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(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children**DANGER****Corrosive • Causes Irreversible Eye Damage • Harmful If Swallowed Or Absorbed Through Skin****Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist.****Personal Protective Equipment (PPE)**

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

Mixers, loaders, applicators, flaggers and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves (such as or made of any waterproof material) when mixing, loading, or using any hand-held equipment
- Shoes plus socks
- Protective eyewear (goggles or face shield)

Additional PPE requirements for mixers and loaders supporting aerial application to rangelands, pasture lands, or noncropland. These mixers/loaders also must wear:

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See Engineering Controls for additional requirements.

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Engineering Controls

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)].

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 clothing/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.

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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.

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Environmental Hazards

This pesticide may be toxic to fish, aquatic invertebrates and aquatic 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Directions for Use

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

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.

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Do not allow people or pets to enter the treated area until sprays have dried.

(Storage and Disposal for rigid containers 5 gal or less)

Storage and Disposal

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

Pesticide Storage: Keep away from fire and sparks. Store in a cool, dry, well-ventilated area.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for nonrigid containers any size)

Storage and Disposal

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

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Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

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(Storage and Disposal for refillable rigid containers larger than 5 gal)

Storage and Disposal

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Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for nonrefillable rigid containers larger than 5 gal)

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

Pesticide Storage: Keep away from fire and sparks. Store in a cool, dry, well-ventilated area.

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Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Product 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.

Precautions and Restrictions

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 Management

Avoiding spray drift at the application site 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 decisions.

Apply only as a medium or courser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Apply only when the wind speed is 2-10 mph at the application site.

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

1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
2. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy.

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Do not make applications into temperature inversions.

Where states have more stringent regulations, they must 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. Do not apply with a nozzle height greater than 4 feet above the crop canopy,

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.

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

Less Susceptible

buttercup
chervil
dandelion
kochia

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- | | |
|--------------------|-----------------------|
| hempsnettle | lettuce, miner's |
| lambsquarters | nettle, stinging |
| marshelder | pigweed, Russian |
| mint, dragonhead | plantains |
| mustards, annual | purslane |
| pepperweed, field | sowthistle, perennial |
| puncturevine | sunflower |
| radish, wild | thistle, Canada |
| ragweed | vetch |
| shepherdspurse | whitetop |
| sowthistle, annual | |
| stinkweed | |
| yellow rocket | |
| many others | |

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 Instructions

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 Directions

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 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

Weed Control in Crops

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

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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. Consult local extension service or university specialists for advice on herbicide use in flax.

Restrictions

- Do not forage or graze meat animals on treated areas within 7 days of slaughter.
- Do not apply more than 1/2 pt/acre of MCP Amine (0.25 lb ae/acre) per year
- Do not make more than 2 applications per year
- Flax treated with MCPA may be replanted with any crop specified on an MCPA label or any crop for which a residue tolerance exists for MCPA. For crops not listed on an MCPA label, or on crops for which no residue tolerances for MCPA have been established, a 1-year plantback interval must be observed.

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

Grazing Restrictions (Small Grains):

- Do not graze dairy animals on treated areas until 7 days after treatment.
- Do not forage or graze meat animals on treated areas within 7 days of slaughter.

Restrictions:

- Do not apply more than 1-1/2 pt/acre of MCP Amine (0.75 lb ae/acre) per year
- Do not make more than 2 applications per year
- **Preharvest Interval:** Do not apply within 57 days of harvest
- Wheat, oats, barley, rye treated with MCPA may be replanted with any crop specified on an MCPA label or any crop for which a residue tolerance exists for MCPA. For crops not listed on an MCPA label, or on crops for which no residue tolerances for MCPA have been established, a 1-year plantback interval must be observed.

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 1-1/2 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 1-1/2 pint per acre rate may produce crop injury. The possibility of 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.

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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 apply more than 3/4 pt/acre of MCP Amine (0.375 lb ae/acre) per year
- Do not make more than 2 applications per year
- 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.
- Do not allow dairy animals or meat animals being finished for slaughter to forage or graze treated areas within 7 days of application.
- Peas treated with MCPA may be replanted with any crop specified on an MCPA label or any crop for which a residue tolerance exists for MCPA. For crops not listed on an MCPA label, or on crops for which no residue tolerances for MCPA have been established, a 1-year plantback interval must be observed.

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.

Restrictions:

- Do not apply more than 1 pt/acre of MCP Amine (0.5 lb ae/acre) per year.
- Do not make more than 2 applications per year
- Do not allow dairy animals or meat animals being finished for slaughter to forage or graze treated areas within 7 days of application.

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.

Restrictions:

- Do not apply more than 3 pt/acre of MCP Amine (1.5 lb ae/acre) per application
- Do not make more than 2 applications per year with a minimum retreatment interval of 21 days.

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

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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.

Restrictions:

- Do not apply more than 3 pt/acre of MCP Amine (1.5 lb ae/acre) per application
- Do not make more than 2 applications per year with a minimum retreatment interval of 21 days.
- Do not allow livestock to graze treated areas within 7 days of application

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.

Restrictions:

- Do not apply more than 3 pt/acre of MCP Amine (1.5 lb ae/acre) per year
- Do not make more than 2 applications per year with a minimum retreatment interval of 21 days.

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 3 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.

Restrictions:

- Do not apply more than 3 pt/acre of MCP Amine (1.5 lb ae/acre) per application
- Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.
- Do not allow dairy animals or meat animals being finished for slaughter to forage or graze treated areas within 7 days of application.

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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 6 pints per acre in a spray volume of 15 or more gallons to give coverage of extensive areas. Apply when weeds are in bud to early bloom and growing vigorously. Treat fall regrowth if necessary. Do not forage or graze livestock on treated areas within 7 days of treatment.

Restrictions:

Broadcast Treatment: Do not apply more than 3 pt/acre of MCP Amine (1.5 lb ae/acre) per application. Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.

Spot Treatment: Do not apply more than 6 pt/acre of MCP Amine (3.0 lb ae/acre) per year

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