

5905-506

03-02-2011

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Bill Washburn
Helena Chemical Company
225 Schilling Blvd.
Suite 300
Collierville, Tennessee 38017

MAR 02 2011

Subject: EPA Reg. 5905-506 / Weed-Rhap MCPA Ester Notification

Dear Mr. Washburn:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 11-9-10 for the product EPA Reg. 5905-506 / Weed-Rhap MCPA Ester. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records. Note for future submissions remove the term "non-crop areas". These areas must be specified as this term is too broad and can be misinterpreted.

If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov or Kathryn Montague at 703-305-1243 or Montague.Kathryn@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Kathryn V. Montague".

Kathryn Montague
Team Leader
Herbicide Branch, Team 23
Registration Division (7504P)

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98



United States
Environmental Protection Agency
Washington, DC 20460

- Registration
- Amendment
- Other:

OPP Identifier Number

Application for Pesticide - Section I

| | | |
|--|---|--|
| 1. Company/Product Number 5905-506 | 2. EPA Product Manager Kathryn Montague | 3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) WEED-RHAP MCPA ESTER | PM# 23 | |
| 5. Name and Address of Applicant (Include ZIP Code) Helena Chemical Company 225 Schilling Blvd. Suite 300 Collierville, TN 38017 | | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ NOTIFICATION Product Name _____ MAR 02 2011 |

Check if this is a new address

Section - II

- Amendment - Explain below.
- Final printed labels in response to Agency letter dated _____
- Resubmission in response to Agency letter dated _____
- "Me Too" Application
- Notification - Explain below.
- Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Notification of label change per PR Notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

See attached explanation.

Section - III

| | | | | | |
|---|--|---|--|--|---|
| 1. Material This Product Will Be Packaged In: | | | | 2. Type of Container | |
| Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No | Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Metal | <input checked="" type="checkbox"/> Plastic |
| *Certification must be submitted | | If "Yes" Unit Packaging wgt. No. per container | If "Yes" Package wgt. No. per container | <input type="checkbox"/> Glass | <input type="checkbox"/> Paper |
| 3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) Retail Container 2.5 gal, 5 gal., 30 gal, and bulk | | 5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product | |
| 6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled | | | | | |

Section - IV

| | | |
|--|---|--|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application) | | |
| Name Bill Washburn | Title EPA Registration Specialist | Telephone No. (Include Area Code) 901-752-4420 |
| Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. | | 6. Date Application Received (Stamped) |
| 2. Signature | | |
| 3. Title EPA Registration Specialist | | |
| 4. Typed Name Bill Washburn | | 5. Date November 9, 2010 |



HELENA CHEMICAL COMPANY
225 Schilling Blvd., Suite 300
Collierville, Tennessee 38017
Telephone: 901-761-0050

November 9, 2010

Ms. Kathryn Montague, PM 23
Document Processing Desk (NOTIF)
Office of Pesticide Programs – 7504P
U.S. Environmental Protection Agency
One Potomac Yard, South Building
2777 South Crystal Drive, Room S-4900
Arlington, VA 22202

cc: [illegible]
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**Subject: Weed-Rhap MCPA Ester
EPA Reg. No. 5905-506**

Notification per PR Notice 2007-4 and 98-10

Dear Ms. Montague,

On June 7, 2010 our consultants, Wagner Regulatory Associates, made a submission to correct the Subject label based on PR Notice 2007-4. This label was subsequently stamped as most recent by notification on June 18, 2010.

In a recent label review it was noticed that Wagner used the incorrect master label to make their revisions. This submission is to correct that error. The enclosed label is based in the last EPA Stamped Approved label dated June 30, 2008.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please find enclosed the following documents:

- EPA Form 8570-1 – Application for Pesticide: Other
 - Summary of Changes
- Two copies of revised labeling
 - One highlighted copy showing all changes
 - One clean copy

Should you have any questions in regards to this submission, please do not hesitate to contact me by e-mail at washburnb@helenachemical.com or by phone at 901-752-4420.

Sincerely,



Bill Washburn
EPA Registration Specialist

PRODUCT NAME: WEED-RHAP MCPA ESTER
EPA REG. NO.: 5905-506

SUBMISSION DATE: November 9, 2010

| Explanation of Label Changes per PR Notice 2007-4 and PR Notice 98-10. Summary of revisions made based on last EPA Stamped label dated 6/30/08. | |
|--|--|
| Original Statement | Revised |
| (Did not exist. New statement on front panel) | FOR THE SELECTIVE CONTROL OF MANY BROADLEAF WEEDS IN WHEAT, OATS, BARLEY, RYE, FLAX, GRASSLAND, AND IN NON-CROP AREAS |
| <p>STORAGE AND DISPOSAL Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.</p> <p>STORAGE: Do not store this product near fertilizers, seeds, insecticides or fungicides. Protect product from freezing. If subjected to freezing conditions, warm to 70° F and agitate. This will return the product to original condition. Reclose all partially used containers by thoroughly tightening the screw cap. Damaged or leaking containers, which cannot be used immediately, should be transferred to suitable sound containers and properly marked. Absorb any spill with a suitable clay absorbent and dispose of as indicated under</p> <p>PESTICIDE DISPOSAL. For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities. To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification. Opened, partially-used pesticide should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.</p> <p>PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p> <p>CONTAINER DISPOSAL: Triple rinse (or equivalent), adding rinsate to the 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.</p> | <p>STORAGE AND DISPOSAL Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.</p> <p>PESTICIDE STORAGE: Do not store this product near fertilizers, seeds, insecticides or fungicides. Protect product from freezing. If subjected to freezing conditions, warm to 70° F and agitate. This will return the product to original condition. Reclose all partially used containers by thoroughly tightening the screw cap. Damaged or leaking containers, which cannot be used immediately, should be transferred to suitable sound containers and properly marked. Absorb any spill with a suitable clay absorbent and dispose of as indicated under the pesticide disposal section.</p> <p>For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities. To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification.</p> <p>Opened, partially-used pesticide should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.</p> <p>PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p> <p>CONTAINER DISPOSAL: NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS): Do not reuse or refill this container. Triple 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 ¼ 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. Offer for recycling, if available.</p> <p>NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS): Do not reuse or refill this container. Triple 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 ¼ full with water. Replace and tighten</p> |

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| | |
|---|--|
| | <p>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. Offer for recycling, if available.</p> <p>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 mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.</p> |
| <p>Wheat, Barley, Oats and Rye: Use 1/2 to 1.5 pints of MCPA ester per acre for the more susceptible weeds when grains are in the 3- to 4-leaf stage or up to early boot stage. Apply when weeds are very small for best results. NOTE: Do not apply more than 1.5 pints (.75 lb. a.e.) acre per year during the boot-to-dough stage of the grain.</p> | <p>Wheat, Barley, Oats and Rye: Use 1/2 to 1.5 pints of MCPA ester per acre for the more susceptible weeds when grains are in the 3- to 4-leaf stage or up to early boot stage. Apply when weeds are very small for best results. NOTE: Do not apply more than 1.5 pints (.75 lb. a.e.) per acre per year during the boot-to-dough stage of the grain.</p> |
| <p>GOLF COURSES: Do not apply more than 3 pints (1.5 lb.) per acre per year. Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days</p> | <p>GOLF COURSES: Do not apply more than 3 pints (1.5 lb. a.e.) per acre per year. Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days</p> |

2
12

WEED-RHAP® MCPA ESTER

NOTIFICATION
MAR 02 2011

FOR THE SELECTIVE CONTROL OF MANY BROADLEAF WEEDS IN WHEAT, OATS,
BARLEY, RYE, FLAX, GRASSLAND, AND IN NON-CROP AREAS

ACTIVE INGREDIENT:

2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid.....74.4%

INERT INGREDIENTS:..... 25.6%

TOTAL 100.0%

Equivalent to 47.7% or 4 lbs. of MCPA.

U. S. Patent No. 6,232,672

KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid inhaling vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything to an unconscious or convulsing person.

IF ON SKIN OR CLOTHING:

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

IF IN EYES:

- Hold eyelid 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.
- Call a poison control center or doctor immediately for treatment advice.

IF INHALED:

- Move victim to fresh air.
- If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard. Contains petroleum distillate.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of emergency, call ChemTrec at 1-800-424-9300.

See Inside Panel For Additional Precautionary Statements.

EPA REG. NO. 5905-506
EPA EST. NO. 228-IL-001

NET CONTENTS: 2.5 Gallon (9.46 Liters)
AD XXXXXX

MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILING BOULEVARD, SUITE 300
COLLIERVILLE, TENNESSEE 38017

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are: Laminate, Nitrile Rubber, Neoprene Rubber and Viton. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.

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

- Long-sleeved shirt and long pants
- Shoes plus socks, and
- Chemical-resistant gloves

Additional PPE requirements for mixers and loaders supporting aerial application to rangelands, pasturelands, or noncropland.

These mixers/loaders also must wear:

- A chemical-resistant apron and
- NIOSH-approved respirator with as dust/mist filter with MSHA/NIOSH approval prefix TC-21C or any N, R, P, or HE filter.

"See Engineering Control for additional requirements."

User Safety Requirements

Follow manufacturer's instructions for 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 Statements (including those for aerial applications):

- Enclosed Cockpits
- Pilots use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [(40 CFR 170.240(d)(6)].

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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

Do not apply directly to water, to areas where the surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater 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 table is shallow, may result in groundwater contamination.

CHEMIGATION STATEMENT

Do not apply through any type of irrigation system.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not cut or weld container.

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.

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
- Shoes plus socks

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. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Do not store this product near fertilizers, seeds, insecticides or fungicides. Protect product from freezing. If subjected to freezing conditions, warm to 70° F and agitate. This will return the product to original condition. Reclose all partially used containers by thoroughly tightening the screw cap. Damaged or leaking containers, which cannot be used immediately, should be transferred to suitable sound containers and properly marked. Absorb any spill with a suitable clay absorbent and dispose of as indicated under the pesticide disposal section.

For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities. To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification.

Opened, partially-used pesticide should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.

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:

NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS): Do not reuse or refill this container. Triple 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 ¼ 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. Offer for recycling, if available.

NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS): Do not reuse or refill this container. Triple 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 ¼ 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. Offer for recycling, if available.

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 mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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GENERAL PRECAUTIONS AND RESTRICTIONS:

WEED RHAP MCPA ESTER is injurious to most broadleaf plants. Although this product contains material of low volatility, use it with caution where the spreading of vapors can damage nearby susceptible plants.

Physical Drift from the application of this product may also cause injury to susceptible plants. Do not apply directly to or otherwise permit even minute amounts (such as spray drift) to contact fruit trees, vegetables, flowers, ornamentals, or other desirable plants susceptible to MCPA. **DO NOT APPLY IN THE VICINITY OF COTTON, GRAPES, TOBACCO, OR TOMATOES.** Do not use in or near a greenhouse. Do not spray when wind is blowing towards susceptible crops or ornamental plants.

Spray Drift Management:

The applicator and the grower are responsible for considering all these factors when making decisions. 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. Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles. Apply only when wind speed is 2-10 mph at the application site.

Additional requirements for aerial applications:

- The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- 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.

Additional requirements for ground boom applications:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Application Restrictions:

Do not apply this product in a way that will contact any person, or pet, either directly or through drift. Keep people and pets out of the area during application.

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

WHERE TO APPLY:

WEED RHAP MCPA Ester is used to control broadleaf weeds in flax, small grains, grass pastures, and rangeland. This product will kill or control the following weeds in addition to many other noxious plants susceptible to MCPA:

Most Susceptible Weeds (most areas):

| | | | |
|-------------------|--------------------|----------------|------------------------------|
| Arrowhead | Jimsonweed | Puncturevine | Water Plantain |
| Beggartick | Lambsquarters | Ragweed | Wild Radish |
| Burdock | Marshelder | Redstem | Witchweed |
| Cocklebur | Mint (dragonhead) | Shepherdspurse | Yellow Rocket (winter cress) |
| Croton (goatweed) | Mustard | Sicklepod | and many other species. |
| Galinsoga | Pennygrass (field) | Sneezeweed | |
| Goatsbeard | Pepperweed (field) | Stinkweed | |

Less Susceptible Weeds:

| | | | |
|----------------|-----------------|-----------------|-----------|
| Burcucumber | Dandelion | Plantain | Sunflower |
| Buttercup | Hempnettle | Pigweed | Vetch |
| Canada Thistle | Hoary Cress | Purslane | White Top |
| Catsear | Honeysuckle | Sow Thistle | |
| Chervil | Miner's Lettuce | Stinging Nettle | |

WHEN TO APPLY:

Apply the product during warm weather when weeds are young and actively growing. Uniform spray coverage is necessary for best results. Generally the lower dosages listed will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species and under conditions where control is difficult, the higher doses will be needed.

HOW TO APPLY:

PREPARING THE SPRAY: Mix the MCPA ester with water unless otherwise indicated on the label. Fill the mixing tank or spray tank with approximately 1/2 the amount of water to be used for spraying. Add the required amount of product with agitation. Add the remainder of the water while continuing to agitate. **NOTE:** Adding oil, wetting agents, or other adjuvants to the spray may reduce selectivity to crops, possibly causing crop damage.

SPRAYING CONDITIONS: Use a moderate spray pressure of approximately 20 PSI. Enough spray volume should be used to give good coverage of the weeds being sprayed. This is usually 5 to 30 gallons by ground application or 3 to 10 gallons by air. Higher spray volumes may be useful in some situations to provide better spray coverage when weeds are especially dense and/or to reduce spray drift.

WEED CONTROL APPLICATIONS

FLAX: Use 1/4 to 1/2 pint per acre. Apply by ground sprayer or by airplane. Use sufficient water to give uniform and adequate coverage. 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 1/2 pint per acre to prevent seed head production. Some injury to the flax may result. Flax varieties may vary in tolerance to MCPA. **NOTE: Do not apply more than 1/2 pint (.25 lb. a.e.) per acre per year.** Consult local Extension Service or University Specialists for advice on herbicide use in flax. Do not forage or graze meat animals on treated areas within seven days of slaughter.

WEED CONTROL IN SMALL GRAINS: **NOTE:** Do not permit dairy animals or meat animals being finished for slaughter to forage or graze treated grain fields within 2 weeks after treatment. Do not forage or graze meat animals on treated areas within 7 days of slaughter.

Wheat, Barley, Oats and Rye: Use 1/2 to 1.5 pints of MCPA ester per acre for the more susceptible weeds when grains are in the 3- to 4-leaf stage or up to early boot stage. Apply when weeds are very small for best results.

NOTE: Do not apply more than 1.5 pints (.75 lb. a.e.) per acre per year during the boot-to-dough stage of the grain.

SOD FARMS:

Do not apply more than 3 pints (1.5 lb. a.e.) per acre per year.

Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.

GOLF COURSES:

Do not apply more than 3 pints (1.5 lb. a.e.) per acre per year.

Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.

RESIDENTIAL TURF:

Do not apply more than 3 pints (1.5 lb. a.e.) per acre per year.

Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.

GRASSES GROWN FOR SEED: Use 1 to 3 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. Do not use from early boot to milk stage. Do not apply more than 3 pints (1.5 lb. a.e.) per acre per year. Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.

PASTURE/RANGELAND: Use 1 to 3 pints of MCPA ester per acre. Apply when weeds are small and actively growing for best results. Use the higher rates for whitetop, Canada thistle, buttercup and other more difficult to control weeds. Spray perennials in early bud to full bloom stage and regrowth in the fall. Legumes may be injured or killed. Do not apply more than 3 pints (1.5 lb. a.e.) per acre per year. Do not apply more than 2 applications per year with a minimum Retreatment interval of 21 days.

NOTE FOR WEED CONTROL IN GRASSES: Do not use this treatment where legumes, especially alfalfa, are present and desirable. In some areas, bent, buffalo, carpet, and St. Augustine grasses may be susceptible to injury. Do not use on newly seeded areas until grass is well established.

12
12

NON-CROPLAND RIGHTS-OF-WAY (Broadcast Treatment): For control of susceptible weeds in fencerows, fallow lands, rights-of-way, roadsides and similar areas, use 3 pints of product per acre in enough water to give sufficient coverage. Do not apply more than 3 pints (1.5 lbs. a.e.) per acre per year. Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days. **NOTE:** On fallowland, do not plant any crop until 3 months after treatment or until chemical has disappeared from soil.

NON-CROPLAND RIGHTS-OF-WAY (Spot Treatment): For weed control in pastures, rangelands, and in non-crop areas such as fence rows, farmyards, shelterbelts, and roadsides: Do not use more than 3 quarts (3.0 lb. a.e.) per acre per year to control weeds such as Canada thistle, white top, meadow buttercup, and Texas blueweed. Apply when weeds are growing vigorously, usually prior to bloom, and spray fall regrowth if necessary.

**CONDITIONS OF SALE – LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

Read the Conditions of Sale –Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. To the extent consistent with applicable law, the Company makes no other warranties or representations of any kind express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

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2. Replacement of the product used

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