

15-MAR-2006□□

14-MAR-2007 Allergen update

GROUP	4	HERBICIDE
-------	---	-----------

Nufarm

UFA MCPA AMINE  
Liquid Herbicide

FOR USE IN WHEAT, BARLEY, RYE, OATS, FLAX (do not use on low linolenic acid varieties), PEAS, CORN, PASTURE

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING  
AGRICULTURAL

GUARANTEE: MCPA..... 500 g/L  
(present as dimethyl amine)

Warning, contains the allergen soy.□□

CAUTION

**Update**

POISON

REGISTRATION NUMBER 8507 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 10 L

Nufarm Agriculture Inc.  
5507 1<sup>st</sup> Street SE  
Calgary, Alberta T2H 1H9

24 Hour Emergency  
Response Number  
1-800-424-9300

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes immediately. Do not breath vapours. Avoid breathing spray mist. After use wash hands and other exposed skin. Remove and wash contaminated clothing before reuse. Avoid spray drift. Store the container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs.

## FIRST AID:

**If swallowed**, induce vomiting by touching the back of the throat with a finger or blunt object; repeat until vomit fluid is clear. Rush patient to nearest hospital taking this label with you or contact a poison control centre IMMEDIATELY. Never give anything by mouth to an unconscious person. **In case of skin contact**, remove contaminated clothing and wash skin thoroughly with soap and water. **In case of eye contact**, flush with plenty of water for 15 minutes and get medical attention or contact a poison control centre. **If inhaled**, remove to fresh air and get medical attention or contact a poison control centre IMMEDIATELY.

Take container, label or product name and Pest Control Product Registration Number with you, when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE: Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross-contamination. Store at temperatures above 0°C. If subjected to freezing temperatures, warm to at least 5°C and mix thoroughly. SHAKE WELL BEFORE USING.

DISPOSAL: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

NOTICE TO USER: This control product is to be used only in accordance with the Directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

<b>GROUP</b>	<b>4</b>	<b>HERBICIDE</b>
--------------	----------	------------------

Nufarm

UFA MCPA AMINE  
Liquid Herbicide

FOR USE IN WHEAT, BARLEY, RYE, OATS, FLAX (do not use on low linolenic acid varieties), PEAS, CORN, PASTURE

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING  
AGRICULTURAL

GUARANTEE: MCPA..... 500 g/L  
(present as dimethyl amine)

Warning, contains the allergen soy. □□

CAUTION



POISON

REGISTRATION NUMBER 8507 PEST CONTROL PRODUCTS ACT

Nufarm Agriculture Inc.  
5507 1<sup>st</sup> Street SE  
Calgary, Alberta T2H 1H9

24 Hour Emergency  
Response Number  
1-800-424-9300

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes immediately. Do not breath vapours. Avoid breathing spray mist. After use wash hands and other exposed skin. Remove and wash contaminated clothing before reuse. Avoid spray drift. Store the container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or [www.cropro.org/](http://www.cropro.org/).

## FIRST AID:

**If swallowed**, induce vomiting by touching the back of the throat with a finger or blunt object; repeat until vomit fluid is clear. Rush patient to nearest hospital taking this label with you or contact a poison control centre IMMEDIATELY. Never give anything by mouth to an unconscious person. **In case of skin contact**, remove contaminated clothing and wash skin thoroughly with soap and water. **In case of eye contact**, flush with plenty of water for 15 minutes and get medical attention or contact a poison control centre. **If inhaled**, remove to fresh air and get medical attention or contact a poison control centre IMMEDIATELY.

Take container, label or product name and Pest Control Product Registration Number with you, when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE: Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross-contamination. Store at temperatures above 0°C. If subjected to freezing temperatures, warm to at least 5°C and mix thoroughly. SHAKE WELL BEFORE USING.

## DISPOSAL:

### Recyclable Containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
  2. Make the empty, rinsed container unsuitable for further use.
- If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

### Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

### Returnable-Refillable Containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO BUYER:** Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

**NOTICE TO USER:** This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

**DIRECTIONS FOR USE:**

#### **RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, UFA MCPA Amine Liquid Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to UFA MCPA Amine Liquid Herbicide and other Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

#### **To delay herbicide resistance:**

- Where possible, rotate the use of UFA MCPA Amine Liquid Herbicide or other Group 4 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Nufarm Agriculture Inc. at 1-800-868-5444 or at [www.nufarm.ca](http://www.nufarm.ca).

**USE PRECAUTIONS:** Avoid spray drift to any desirable vegetation NOT listed on this label as damage may occur. Avoid contamination of ponds, streams, rivers and other water sources. Do not spray during periods of high winds when the spray is likely to drift.

Coarse sprays are less likely to drift. Do not spray during periods of high temperatures when the crops may be under stress as damage to the crop may occur. Allow 7 days between application of product and grazing or cutting for hay.

**DO NOT APPLY BY AIR.**

**TIMING:** For best results spray when **WEEDS ARE YOUNG AND ACTIVELY GROWING**. Apply in good growing conditions. Application must be made before the crop canopy shields the weeds.

**SPRAYER:** Clean all spray equipment thoroughly before use. Select nozzle tips to apply the recommended volume per hectare. Higher water volumes will reduce the risk of crop injury. Calibrate the sprayer and adjust the boom height to ensure uniform coverage. Nozzles must be in good condition and spraying the same volume. Flat fan nozzle tips are recommended.

**MIXING:** Shake this product well before using. Half fill the spray tank with clean water. Add the required amount of product and agitate thoroughly. Fill the tank with clean water and agitate well before use. **NOTE:** If spray solution has been left standing, agitate thoroughly before use.

**USES:**

**WHEAT, BARLEY, RYE, OATS, (not underseeded with legumes):** Crops may be sprayed from the full 2-leaf to the early flag leaf (shot blade) stage. **DO NOT** apply after the flag leaf stage. Treatment at the 3 to 4-leaf stage usually combines maximum crop tolerance with maximum weed susceptibility. The recommended safe crop rate for wheat, barley and rye is 1.25 litres per hectare. The recommended safe crop rate for oats is 1.1 litres per hectare. Higher rates may be needed to control certain weed species. Possible crop injury from these higher rates is usually offset by the increased yield of the cleaner crop. Use 50 or more litres of water per hectare. Spraying with higher volumes of water (100-150 litres per hectare) may reduce the risk of crop injury.

**FALL RYE, WINTER WHEAT:** Treat in the spring between full tillering and the flag leaf (shot blade) stage. **DO NOT APPLY DURING AND AFTER FLAG LEAF STAGE.** **DO NOT** apply in the fall. The recommended safe crop rate is 1.25 litres per hectare. Higher rates may be needed to control certain weed species. Possible crop injury from these higher rates is usually offset by the increased yield of the cleaner crop. Use 50 or more litres of water per hectare. Spraying with higher volumes of water (100-150 litres per hectare) may reduce the risk of crop injury.

**CEREALS UNDERSEEDED WITH ALFALFA OR BIRD'S-FOOT TREFOIL:** Apply when cereals are in the full 3-leaf to the early flag leaf (shot blade) stage and the seedling legumes are between the first and fourth trifoliate leaf stage and not more than 10 cm tall. Apply 0.3 to 0.56 litres of product per hectare. The recommended safe crop rate is 0.56 litres per hectare. **DO NOT** exceed the recommended safe rate. Some injury to the legumes may occur, especially if growing conditions are very favourable. Spraying in

the evening and/or increased volumes of water (150 or more litres per hectare) may reduce the risk of injury. A tank-mix of MCPA Amine at 70 mL per hectare and EMBUTOX 625 at 1.25 litres per hectare may be applied. Consult the EMBUTOX 625 label for application timing.

DO NOT apply MCPA Amine on sweet clover. For cereals underseeded to other clovers, the use of TROPOTOX PLUS is recommended.

FLAX (do not use on low linolenic acid varieties): Apply when the flax is 5 cm tall to just before the bud stage. DO NOT treat after the early bud stage. Due to flax's less competitive nature, weeds should be sprayed in as early a leaf stage as possible, up to the recommended leaf stage. The recommended safe crop rate is 1.0 litre per hectare. Some crop injury and delay in maturity will occur when flax is treated with more than 1.0 litre of MCPA Amine per hectare. Higher rates may be necessary to control certain weed species. Possible crop injury from these higher rates is usually offset by the increased yield of the cleaner crop. Spraying in the evening and/or increased water volumes (100 or more litres per hectare) may reduce the risk of flax injury.

CORN (Field only): Apply as an overall spray before the corn reaches 15 cm tall (leaf extended) and/or before the 6-leaf stage. DAMAGE TO CORN MAY RESULT IF AN OVERALL SPRAY IS APPLIED BEYOND THIS STAGE. The recommended safe crop rate for an overall spray is 1.1 litres per hectare. DO NOT exceed the maximum safe crop rate. Use 100 or more litres of water per hectare. In case of very dry conditions, avoid spraying until one week after rain. Avoid cultivation for three weeks following spraying. DO NOT add oil or surfactant.

PEAS (Field and Processing): Apply when vines are 10 to 20 cm long but before the flower buds are formed. The recommended safe crop rate is 0.5 litres per hectare. Apply 0.3 to 0.5 litres per hectare in 150 to 200 litres of water. DO NOT apply to peas in Nova Scotia.

ESTABLISHED LEGUMES, ESTABLISHED PASTURES WITH LEGUMES (dormant treatment): To control certain biennial and winter annual weeds, apply 2.2 litres of product per hectare in at least 50 litres of water, BEFORE LEGUMES START THEIR GROWTH IN THE SPRING. DO NOT use MCPA Amine on sweet clover. There is a possibility that plants poisonous to livestock will appear more palatable and could be grazed more readily after MCPA Amine treatment (eg: tansy ragwort, water hemlock, poison hemlock, death camas). Suitable precautions should be taken when such plants are present. Livestock should not be allowed to graze the treated area until poisonous plants have been removed, are dead or have resumed a normal growth habit.

SEEDLING AND ESTABLISHED RED CLOVER:  
WESTERN CANADA ONLY

For susceptible weeds apply 0.56 litres of product per hectare. **Seedling and Established Red Clover for Seed** Seedling: apply at the 1-3 trifoliate stage. Established: apply at breaking of dormancy in spring up to 7.5 cm. Some crop injury might be observed with

low water volumes and under some growing conditions. Ground application only; do not graze or cut for green feed. **Seedling Red Clover for Forage** Apply only in the year of establishment at 1-3 trifoliate stage; do not graze or cut for green feed in the first year.

#### WEEDS CONTROLLED:

**SUSCEPTIBLE** easy-to-control weeds in the seedling stage (2 to 4 leaf) and growing rapidly. Use 0.7 to 1.1 litres per hectare. Use the higher rate for larger weeds, dry or cold weather, or heavy infestations. Bluebur, burdock (before the 4-leaf stage), cocklebur, false flax, flixweed, lamb's-quarters, mustards (except dog and tansy), prickly lettuce, ragweeds, redroot pigweed, Russian pigweed, shepherd's-purse, stinkweed (field pennycress), vetch, wild radish, wild sunflower.

**LESS SUSCEPTIBLE** harder-to-control weeds in the seedling stage (2 to 4 leaf) and growing rapidly. Use 1.25 to 2.25 litres per hectare. Use the higher rate for larger weeds, dry or cold weather, or heavy infestations. Weeds listed under susceptible plus annual sow-thistle, biennial wormwood, common chickweed, curled dock (before the 4-leaf stage), daisy fleabane, goat's-beard, groundsel, hairy galinsoga, hawkweed, heal-all, hempnettle (before the 4-leaf stage), knotweed (before the 4-leaf stage), kochia, oak-leaved goosefoot, peppergrass, pineappleweed, plantain, purslane, sheep sorrel, smartweed, stinging nettle, velvetleaf, wild radish, yellow rocket (before the 4-leaf stage).

**TOP GROWTH CONTROL ONLY:** Use 1.25 to 2.25 litres per hectare. Blue lettuce, bull thistle, burdock buttercup, Canada thistle, chicory, curled dock, dandelion, dog mustard, field bindweed, gumweed, hedge bindweed, hoary cress, leafy spurge, mouse-eared chickweed, perennial sow-thistle, tartary buckwheat, teasel, wild buckwheat, wormwood, yellow rocket.

**CLEANING OF SPRAYER:** Thoroughly clean the herbicide sprayer before applying any other chemical on crops which may be damaged (see USE PRECAUTIONS). Wash the outside of the sprayer and drain the tank completely. Remove and clean filters, screens and nozzle tips separately. Fill the sprayer tank with clean water. With the agitator running flush out the lines and boom, then drain. Fill the sprayer with clean water and for each 100L add 1L household ammonia. Operate the pump and agitator for 15 minutes. If possible, let the solution remain in the tank and hoses overnight; recirculate and flush out the lines and boom, then drain. Rinse out twice with clean water, recirculating and draining each time. Do not contaminate irrigation or drinking water when cleaning the sprayer.



\*\*\*\*\*

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.