

05-JUL-2004 Notification received of a label change. See below for this change.

2000/2001

CLEAN CROP®

ESTEMINE®
MCPA

COMMERCIAL NON-VOLATILE

LIQUID HERBICIDE

CAUTION
POISON

READ THE LABEL BEFORE USING

GUARANTEE:

MCPA 500 g/L
(present as amine salt).

REGISTRATION NO. 21666

PEST CONTROL PRODUCTS ACT

PROTECT FORM FREEZING

Notification Change

~~UNITED AGRI PRODUCTS
R.R. #2
Dorchester, Ontario
N0L 1G5~~

**UNITED AGRI PRODUCTS CANADA INC. □
789 DONNYBROOK DRIVE □
DORCHESTER ON □
N0L 1G5**

NET: 10 L

AC 43542-10-94

DIRECTIONS FOR USE

ESTEMINE MCPA may be used for weed control on all crops on which 2,4-D is used except on corn. It is especially recommended for weed control in flax and oats which are more susceptible to damage by 2,4-D than MCPA. ESTEMINE MCPA may also be tank mixed with Liquid Nitrogen (28-0-0) instead of water for use on winter cereals (winter wheat and fall rye). ESTEMINE MCPA mixes readily with hard or soft water.

Crops on which ESTEMINE MCPA is recommended and dosage rates per

hectare are given in the following table:

| *Litres of ESTEMINE MCPA per hectare (not seeded to legumes) | | |
|--|--------------------|------------------------|
| Crop | Susceptible Weeds* | More Resistant Weeds** |
| Wheat, Barley, Oats, Rye | 700 mL-1.1 L | 1.25-1.75 L |
| Flax (Linseed or oil flax) | 850 mL*** | |
| Winter Wheat Fall Rye | 1.0 L | |

***Susceptible Weeds:** Common burdock, cocklebur, flixweed, Kochia, lamb's-quarters, mustards, Russian pigweed, wild radish, ragweeds, shepherd's-purse, thyme-leaved spurge, stinkweed.

****More Resistant Weeds:** Bluebur, American dragonhead, hairy galinsoga, goat's-beard, goosefoot, hemp-nettle, dog mustard, common pepper-grass, redroot pigweed, tumble pigweed, pineappleweed, purslane, annual sow-thistle, biennial wormwood.

*****On Flax:** Use recommended dosage in at least 100 L water per hectare.

The quantity of MCPA to use within the ranges recommended above will be influenced by the following factors:

1. **Stage of Weed Growth and Species of Weed:** Annual plants are generally more susceptible when young. Resistance increases with advancing maturity. Perennial plants are usually less susceptible than annuals and are most successfully controlled at the bud or very early bloom stage. Russian thistle is more susceptible to 2,4-D than to MCPA.
2. **Growing Conditions:** Plants are usually more susceptible to MCPA when they are growing rapidly.
3. **Higher Rates:** The higher rates given above are recommended under drier conditions, for weeds that are partially resistant to MCPA, and for crops that are heavily infested with weeds.

STAGE OF GROWTH TO TREAT CROPS:

(See illustration in pamphlet)

WHEAT, BARLEY AND RYE: Treatments can be made from the 3-leaf expanded to the early flag-leaf (shot blade) stage and again from the milk stage to full maturity. If treatments are made between the emergence and the 3-leaf stage some injury to crops may occur. The possibility of injuring wheat and barley from sprays applied at this time is less with MCPA than with 2,4-D. Fall-sown cereals should be treated in the Spring.

OATS: Since the oats have proved more tolerant to MCPA, this herbicide can be applied as soon as weed conditions warrant and until flag-leaf stage.

FLAX: May be treated from the time the flax plants reach a height of 5 cm up to just before the pre-bud stage of growth. Treatment should be made as soon as there is enough emergence of susceptible weeds to make it practical. Use 100 L of spray per ha. For control of green foxtail (annual grass), TCA may be combined with ESTEMINE MCPA spray. Apply 4.5 - 6.75 kg of TCA per ha using at least 10 L of diluted ESTEMINE MCPA spray to dissolve each kg of TCA.

®ESTEMINE MCPA is a registered trademark of CIBA-GEIGY CANADA, LTD.

TANK MIXING

Consult the product labels to be tank mixed with ESTEMINE MCPA for detailed information regarding weeds controlled, precautions, warnings, restrictions, tank mixing and spraying instructions.

ESTEMINE MCPA PLUS TCA

For control of both green foxtail and MCPA susceptible broadleaf weeds in oats, barley and flax, a tank mix of ESTEMINE MCPA plus TCA may be used.

| Crop | Rate of Application (product/ha) ESTEMINE MCPA + TCA* | Minimum Water Volume (litres/ha) | Crop Leaf Stage |
|--------|--|--|-----------------------|
| Oats | 700 mL-1.1 L + 1.3-2.75 kg | 100 | 2-4-leaf |
| Barley | 700 mL-1.1 L + 1.3 kg | 100 | 2-4-leaf |
| Flax | 850 mL + 4.5 kg | 100 | 10-15 cm in height |

*TCA containing 83% active ingredient

NOTE:

1. Do not apply TCA to oats and barley seeded less than 5 - 7.5 cm deep.
2. Application of TCA should be made at the 1 to 3-leaf stage of the green foxtail.
3. Use the lower rate of TCA on lighter soils.

ESTEMINE MCPA PLUS BAR-FOX*

For control of green foxtail and ESTEMINE MCPA susceptible broadleaf weeds in barley, oats and flax, a tank mix of ESTEMINE MCPA plus BAR-FOX may be used.

| Crop | Rate of Application (product/ha) ESTEMINE MCPA + BAR-FOX* | Minimum Water Volume (litres/ha) | Crop Leaf Stage |
|--------|--|--|-----------------------|
| Oats | 700 mL-1.1 L + 1.3-2.75 kg | 100 | 2-4-leaf |
| Barley | 700 mL-1.1 L + 1.3 kg | 100 | 2-4-leaf |
| Flax | 850 mL + 4.5 kg | 100 | 10-15 cm in height |

*CIBA-GEIGY BAR-FOX containing 83% active ingredient

ESTEMINE MCPA PLUS BANVEL*

For control of wild buckwheat, Tartary buckwheat, cow cockle, annual smartweed, corn spurry and ESTEMINE MCPA susceptible broadleaf weeds in spring and winter wheat, barley and oats, a tank mix of ESTEMINE MCPA plus BANVEL may be used.

| Crop | Rate of Application (product/ha) ESTEMINE MCPA + BANVEL | Minimum Water Volume (litres/ha) | Crop Leaf Stage |
|------|--|---|--------------------|
|------|--|---|--------------------|

| | | | |
|------------------------------|-------------------------|-----|---|
| Spring Wheat , Oats | 700-850 mL + 230-290 mL | 100 | 2-5-leaf |
| Winter Wheat | 700-850 mL + 230-290 mL | 100 | Apply in the spring when crop is 15-25 cm tall (or before shot-blade stage) |
| Barley | 700-850 mL + 230 mL | 100 | 2-3-leaf |

*BANVEL is a registered trademark of SANDOZ CROP PROTECTION CORPORATION.

ESTEMINE MCPA PLUS LOROX*L

For control of wild buckwheat, Tartary buckwheat, annual smartweeds, cow cockle, hempnettle, corn spurry, chickweed, common groundsel, and ESTEMINE MCPA susceptible broadleaf weeds in spring wheat, barley and oats, a tank mix of ESTEMINE MCPA plus LOROX L may be used.

| Crop | Rate of Application (product/ha) ESTEMINE MCPA + LOROX L | Minimum Water Volume (litres/ha) | Crop Leaf Stage |
|-------------------------------------|--|--|-----------------------|
| Spring Wheat, Barley, Oats | 850 mL-1.1 L + 425-550 mL | 100 | 2-4-leaf |

*LOROX is a registered trademark of E.I. DU PONT DE NEMOURS AND CO.

ESTEMINE MCPA PLUS AFOLAN*F

For control of wild buckwheat, Tartary buckwheat, annual smartweeds,

cow cockle, hempnettle, corn spurry, chickweed, common groundsel and ESTEMINE MCPA susceptible broadleaf weeds in spring wheat, barley and oats, a tank mix of ESTEMINE MCPA plus AFOLAN F may be used.

| Crop | Rate of Application (product/ha) ESTEMINE MCPA + AFOLAN F | Minimum Water Volume (litres/ha) | Crop Leaf Stage |
|-------------------------------------|---|--|-----------------------|
| Spring Wheat, Barley, Oats | 850 mL-1.1 L + 500-625 mL | 100 | 2-4-leaf |

*AFOLAN is a registered trademark of HOECHST AG.

ESTEMINE MCPA PLUS PARDNER*

For control of wild buckwheat, Tartary buckwheat, annual smartweeds, cow cockle, hempnettle, scentless chamomile, volunteer sunflowers, volunteer rapeseed, common groundsel and ESTEMINE MCPA susceptible broadleaf weeds in spring wheat, barley and oats, a tank mix of ESTEMINE MCPA plus PARDNER may be used.

| Crop | Rate of Application (product/ha) ESTEMINE MCPA + PARDNER | Minimum Water Volume (litres/ha) | Crop Leaf Stage |
|-------------------------------------|--|--|-------------------------------|
| Spring Wheat, Barley, Oats | 550-850 mL + 1.25 L | 100 | 2 to early flag leaf |

*PARDNER is a registered trademark of RHÔNE-POULENC.

ESTEMINE MCPA PLUS TORCH D.S.*

For control of wild buckwheat, Tartary buckwheat, annual smartweeds, cow cockle, hempnettle, knawel, night-flowering catchfly, scentless chamomile, common groundsel and ESTEMINE MCPA susceptible broadleaf weeds in spring wheat, barley, oats and flax, a tank mix of ESTEMINE MCPA plus TORCH may be used.

| Crop | Rate of Application (product/ha) ESTEMINE MCPA + TORCH D.S. | Minimum Water Volume (litres/ha) | Crop Leaf Stage |
|-------------------------------------|---|--|-------------------------------|
| Spring Wheat, Barley, Oats | 550-850 mL + 625 mL | 100 | 2 to early flag leaf |
| Flax | 550 mL + 625 mL | 100 | 5-10 cm in height |

*TORCH is a registered trademark of RHÔNE-POULENC.

ESTEMINE MCPA PLUS 28-0-0*

For spring applications 28-0-0 liquid nitrogen fertilizer can be used as the spray carrier instead of water.

| Crop | Rate of Application (product/ha) ESTEMINE MCPA | Minimum 28-0-0 Volume (litres/ha) | Crop Leaf Stage |
|------------------------------|--|---|---|
| Winter Wheat, Fall Rye | 1.0 L | 112 | Apply in the spring when crop is actively growing |

***NOTE:** Do not let tank contents stand for long periods of time without agitation engaged. If for any reason spraying is interrupted, agitate thoroughly before recommending operations.

FAIRWAYS, LAWNS, TURF:

ANNUAL AND PERENNIAL BROADLEAF WEEDS: Apply at rate of 2.25-2.75 L/ha (25 mL/100m²) in sufficient water to give good coverage. Apply to turf at any time during growth. Best results are obtained during

spring and fall. Clover and bent grasses may be injured. Use lower rates on bent grass.

SUSCEPTIBLE WEEDS: Bird's rape, bluebur, burdock, cocklebur, dandelion, false ragweed, flixweed, horsetail*, Kochia, lamb's-quarters, mustards, plantain, prairie sunflower, prickly lettuce, Russian pigweed, shepherd's-purse, stinkweed, wild carrot, wild radish.

MORE RESISTANT WEEDS: Blue lettuce*, Canada thistle*, chickweed, common ragweed, curled dock, dog mustard, field bindweed*, giant ragweed, goat's-beard, hemp-nettle, leafy spurge*, pepper-grass, redroot pigweed, sow-thistle*, tansy mustard, Tartary buckwheat*, thyme-leaved spurge, tumbleweed, wild buckwheat.

*Top growth only.

WARNING:

KEEP OUT OF REACH OF CHILDREN. Keep in original container during storage. Do not allow spray, spray mist, visible or invisible vapours or air containing mist or vapours to contact plants other than those being sprayed. If MCPA or 2,4-D susceptible plants are growing within a distance of 400 metres from the area being sprayed, spray only when there is a light breeze away from the susceptible plants. Spray drifting can be reduced by using low pressure, coarse sprays and drop nozzles. Susceptible crops include grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower and cabbages, as well as many other field, vegetable, ornamental and fruit crops. Do not contaminate streams, lakes, ponds, irrigation water, water used for livestock or for domestic purposes. Do not store open container near seeds, feeds, fertilizers or pesticides, including insecticides, fungicides and weed killers other than those containing 2,4-D or MCPA. Sprayers which have contained MCPA or 2,4-D should not be used to apply other pesticides to MCPA or 2,4-D susceptible crops. Do not mix ESTEMINE with oil for aircraft or other applications. Do not graze or harvest for livestock feed within 7 days of application.

FIRST AID:

In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention. Wash skin with soap and plenty of water. Remove and wash contaminated clothing and shoes. If swallowed, induce vomiting and get medical attention or contact a poison control centre.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills contact the regional office of Environmental Protection, Environment Canada.

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.

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.

CLEAN CROP®

ESTEMINE® MCPA

Commercial Non-Volatile

Liquid Herbicide

READ THE LABEL BEFORE USING

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

REGISTRATION NO. 21666
PEST CONTROL PRODUCTS ACT

PROTECT FROM FREEZING

CAUTION POISON

WARNING:

KEEP OUT OF REACH OF CHILDREN. Keep in original container during storage. Do not allow spray, spray mist, visible or invisible vapours or air containing mist or vapours to contact plants other than those being sprayed. If MCPA or 2,4-D susceptible plants are growing within a distance of 400 metres from the area being sprayed, spray only when there is a light breeze away from the susceptible plants. Spray drifting can be reduced by using low pressure, coarse sprays and drop nozzles. Susceptible crops include grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower and cabbages, as well as many other field, vegetable, ornamental and fruit crops. Do not contaminate streams, lakes, ponds, irrigation water, water used for livestock or for domestic purposes. Do not store open container near seeds, feeds, fertilizers or pesticides, including insecticides, fungicides and weed killers other than those containing 2,4-D or MCPA. Sprayers which have contained MCPA or 2,4-D should not be used to apply other pesticides to MCPA or 2,4-D susceptible crops. Do not mix ESTEMINE with oil for aircraft or other applications. Do not graze or harvest for livestock feed within 7 days of application.

FIRST AID:

In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention. Wash skin with soap and plenty of water. Remove and wash contaminated clothing and shoes. If swallowed, induce vomiting and get medical attention or contact a poison control centre.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills contact the regional office of Environmental Protection, Environment Canada.

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.

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.

Notification Change

~~United Agri Products,~~
~~RR#2,~~
~~Dorchester, Ontario~~
~~N0L 1G5~~

UNITED AGRI PRODUCTS CANADA INC. □
789 DONNYBROOK DRIVE □
DORCHESTER ON □
N0L 1G5

NET: 10 L

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.

+))