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MCPA ESTER 500

AGRICULTURAL

LIQUID HERBICIDE

For the selective control
of broad-leaved weeds in
cereal and flax crops.

CAUTION POISON

READ THE LABEL BEFORE USING

GUARANTEE: MCPA equivalent.....500g/L
(present as high volatile esters of MCPA)

REGISTRATION NO. 5979 PEST CONTROL PRODUCTS ACT

10 L

MANUFACTURED FOR CARGILL LIMITED
P.O. BOX 5900, WINNIPEG, MANITOBA R3C 4C5

MCPA ESTER 500 LIQUID HERBICIDE

GENERAL INFORMATION

CARGILL MCPA Ester 500 contains 500g/L acid equivalent and is recommended for the selective control of broad-leaved weeds in cereal and flax crops. CARGILL MCPA Ester should be applied as a uniform spray in 55-110 L of water per hectare.

DIRECTIONS FOR USE:

General: Apply in the amount of water required for even distribution. Spray at low pressure (200-275 kPa) during warm weather when weeds are young and growing actively.

To Prepare a Spray: Add half the required amount of water or oil to the spray tank, then add with agitation the required amount of product as shown for the different uses, and finally the balance of water with continued agitation.

WARNING: If preparing straight oil mixtures, do not let water get into the product or the finished mixture. Note: This product in water forms an emulsion, not a solution which tends to separate on standing. Agitate to prevent such separation and ensure uniformity of spray mixture.

APPLICATION RATES

SUGGESTED RATES TO USE ON CEREAL CROPS AND FLAX
(NOT SEEDED TO LEGUMES)

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Mixed Weedy Growth		Stage of Weed Kind of weather	Litre(s) per Hectare	Grams Acid per ha	Hectare(s) treated per L
Susceptible Flixweed Kochia Lamb's- Quarters Mustards	Prickly Lettuce, Ragweeds Russian, Pigweed, Shepherd 's Purse, Stinkweed	Seedling (2-4 leaves)	700 mL to	350 to	1.4 to
		Weeds in bud Dry or cool weather, heavy infestation	1.1	550	0.9
Above, plus More Resistant					

*Blue Lettuce, Dog Mustard, *Field Bindweed, *Leafy Spurge Red Root Pigweed, *Wild Buckwheat Blue Bur	Smartweed Tumble Weed *Canada & Sow Thistle, Russian Thistle *Hemp Nettle	Seedlings (2-4 leaves) Growing rapidly Weeds in Bud Dry or cool weather, Heavy infestation	(1.25) to	(625) to	0.8 to
			(1.75)	(875)	0.6

The higher rates (in brackets) may cause crop injury which will frequently be offset by a higher yield from a less weedy crop.

*Top growth control only for these weeds.

Note re Hemp Nettle - This weed is completely resistant to 2,4-D Ester or Amine. MCPA Ester 500 or MCPA Amine 500 will give satisfactory top growth control.

Selective weed control in small grains: Do not use on grain interplanted with a legume. Weeds differ in the susceptibility to CARGILL MCPA Ester 500 and not all types can be controlled satisfactorily in crops. The amount of CARGILL MCPA Ester 500 to use will depend upon the susceptibility and whether the crops will tolerate the amount. See chart.

Wheat, Barley and Rye: MCPA Ester 500 is used for the control of susceptible weeds in wheat, barley and rye. Treatments can be made from the 3-leaf expanded to the early flag-leaf stage, and again from the milk stage to full maturity. Treatments made between emergence and 3-leaf stage may cause some crop injury, but are less likely to with MCPA Ester 500 than with 2,4-D esters. Winter wheat and fall rye should be treated in early spring, as soon as weeds appear and when the crop is in the full tillering stage to the shot-blade stage.

Oats: Oats are more tolerant of MCPA than 2,4-D. Spray when conditions of weeds warrant up to the flag-leaf stage (shot-blade).

Flax (linseed): Treat flax with MCPA Ester 500 when flax is 5 cm tall to just before the buds begin to form. When control of more resistant weeds is required. CARGILL Ten-Ten low volatile 2,4-D Ester should be used, but some damage to the flax should be expected. Rates of MCPA Ester 500 over 1.1 L/ha may cause a delay in maturity which is usually more than offset by increased yield caused by weed control.

Established Alfalfa and Grasses - Western Canada: To control such susceptible weeds as horsetail, hoary cress and shepherd's purse and other perennials or winter annuals, spray with MCPA Ester 500 at 1.1 to 2 L/ha before growth of legumes and grasses starts in the spring.

PRECAUTIONS:

CAUSES IRRITATION OF SKIN AND EYES.

DO NOT GET IN EYES.

Avoid contact with skin and clothing.

Wash skin with soap and plenty of water.

Remove and wash contaminated clothing and shoes before re-use.

KEEP OUT OF REACH OF CHILDREN.

FIRST AID

If swallowed, induce vomiting. GET MEDICAL ATTENTION.

In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

USE PRECAUTIONS

WARNING

Do not apply this product directly to, or otherwise permit it to come into contact with vegetables, flowers, grapes, fruit trees, ornamentals or other desirable plants which are sensitive to 2,4-D, 2,4,5-T or MCPA, and do not permit spray mist containing it to drift onto them, since even minute quantities of the spray may cause severe injury during both growing and dormant periods. Coarse sprays are less likely to drift). Accordingly, application by airplane, ground rigs and hand dispensers should be carried out only when there is no hazard from drift. At higher temperatures, vapourization may cause injury to susceptible plants growing nearby.

Do not use on lawns or pastures until grass has become well established. Most legumes are usually damaged or killed. Do not contaminate irrigation ditches

or water used for domestic purposes. Do not store near fertilizers, seeds, insecticides or fungicides.

To avoid injury to desirable plants, do not store, handle or apply other agricultural chemicals with the same containers used for this product. To avoid injury to desirable plants, containers used for this product should not be reused to contain other materials. Rinse equipment and container thoroughly with water and dispose of wastes by burying in noncropland away from water supplies. Containers should be disposed of by punching holes in them and burying with waste, or delivering to sanitary land fill dumps. Spray equipment used to apply 2,4-D MCPA or 2,4,5-T should not be used to apply other pesticides to susceptible crops without first properly cleaning the sprayer.

Local conditions may affect the use of herbicides. Provincial agricultural authorities issue recommendations to fit local conditions.

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

If this product is exposed to temperatures below 0°C, it should be warmed to at least 5°C and mixed thoroughly before using.

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.

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