

93.02.22

CLEAN CROP

ULTRAMINE  
500

HERBICIDE

COMMERCIAL

WARNING

POISON

READ THE LABEL BEFORE USING

GUARANTEE:

2,4-D (PRESENT AS  
ALKANOLAMINE SALT) ..... 470 g/L

REGISTRATION NO. 16436  
PEST CONTROL PRODUCTS ACT

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

NET: 205 L

DIRECTIONS FOR USE

GENERAL: Apply ULTRAMINE 500 in the amount of water required for even distribution. Spray at low pressures 200 - 275 kPa during warm weather when weeds are young and growing actively.

TO PREPARE A SPRAY: Add half the required amount of water to the spray tank, then the ULTRAMINE 500 with agitation and finally the balance of the water with continued agitation.

SPOT TREATMENT: For knapsack application of ULTRAMINE 500 for spot treatment of weeds such as thistles, mix 20 mL of product in 1 L of water. Wet all

foliage thoroughly.

SELECTIVE WEED CONTROL IN SMALL GRAINS: Weeds differ in their susceptibility to ULTRAMINE 500 and not all types can be controlled satisfactorily in crops. The amount of ULTRAMINE 500 to use will depend upon the susceptibility and whether the crops will tolerate this amount. See Chart.

APPLICATION  
SUGGESTED AMOUNTS OF ULTRAMINE 500 FOR WEED CONTROL IN CEREALS  
(Not Underseeded)

Mixed Weedy Growth	Stage of Weed Kind of Weather	Rate/Ha
Susceptible weeds such as: Mustard (except Dog & Green tansy), Bluebur, Burdock, Field horsetail, Field pennycress (Stinkweed), Goatsbeard, Prickly lettuce, Hoary cress, Kochia, Lamb's-quarters, Plantain, Ragweeds, Russian pigweed, Shepherd's purse, Annual sunflower, Sweet clover, Vetch, Wild radish	Seedling (2 - 4 leaves) Growing rapidly	700 mL
	Weeds in bud Dry, cool weather Heavy infestation	1.1 L
Harder-to-kill weeds such as: Biennial wormwood, Docks, Dandelion, Dog mustard, Field peppergrass, Hairy galinsoga, Hedge bindweed, Lady's-thumb, Oak-leafed goosefoot, Redroot pigweed, Russian thistle, Smartweed, Annual sowthistle, Tansy, Tartary buckwheat, Tumbleweed,*Blue lettuce, *Canada thistle,*Field bindweed,*Leafy spurge, *Perennial sowthistle.	Seedling (2-4 leaves) Growing rapidly	1.25L**
	Weeds in bud Dry or cool weather Heavy infestation	1.75L**

\*\* The highest rates may cause deformities and delayed maturity which will be offset by a higher relative yield from a less weedy crop.

\* Top growth control only.

SELECTIVE WEED CONTROL IN SMALL GRAINS UNDERSEEDED WITH LEGUME: ULTRAMINE 500 may be used in grain interplanted with alfalfa (except Flemish types such as alfa or dupuis alfalfa), red clover, ladino clover and alsike. Do not use on grain interplanted with sweet clover or birdsfoot trefoil.

Spray with 350 mL/ha on alfalfa and no more than 700 mL/ha on red clover, alsike and ladino when legumes are about the 2nd true leaf stage.

WHEAT, BARLEY, RYE: Spray from the 3 leaf stage (15 cm tall) to just before the shotblade (boot) stage. Sprays may be used after the hard dough stage to control weeds which might interfere with harvesting. To avoid crop injury,

do not treat during boot and flowering stages. Winter wheat and fall rye should be treated in early spring as soon as weeds appear and before the crop reaches the shot blade stage.

OATS: Oats are more sensitive to 2,4-D than wheat or barley, especially when 15 cm tall (3 - 6 leaf stage). If possible, treat oats from emergence to the 3 leaf stage or from the 6 leaf to the flag-leaf stage.

CORN: Emergence - use 1.5 L per ha between first emergence and when corn plants are 15 cm tall. Post-Emergence: Treat with 550 mL to 1.1 L/ha when corn plants are 15 - 20 cm tall and most weeds have germinated but still in seedling stage. Use drop nozzles to keep spray off corn foliage. Do not cultivate until at least 2 weeks after treatment.

ASPARAGUS: Treat asparagus with ULTRAMINE 500 following a cultivation just before the first spears appear. Use 3.5 L/ha. Treatment may be repeated at end of cutting season.

ESTABLISHED GRASSES: Eastern Canada - for the control of yellow rocket and other susceptible winter annual weeds, spray with 2 L/ha of ULTRAMINE 500. Application should be made in early fall.

ESTABLISHED ALFALFA AND GRASSES: Western Canada - To control susceptible perennials or winter annuals, spray with ULTRAMINE 500 at 1.1 L to 2 L/ha before growth of legumes and grasses starts in the spring.

GRASS PASTURE AND TURF WEED CONTROL: For lawns, pastures and other turf areas, use 2.75 to 4.25 L of ULTRAMINE 500 per hectare in not less than 400 L of water.

WARNING: Do not use on lawns of creeping grasses such as bent, except for spot spraying or on freshly seeded turf until grass has become well established. Most legumes are usually damaged or killed.

#### WOODLANDS MANAGEMENT AND INDUSTRIAL USES DIRECTIONS FOR USE

GENERAL: Apply ULTRAMINE 500 in the amount of water required for even distribution. Spray at low pressures (200 - 275 kPa) during warm weather when weeds are young and growing actively. This product can be used to control unwanted weeds in industrial sites such as powerline, hydro or railway rights-of-way and storage yards, as well as individual tree treatments in forest sites.

TO PREPARE A SPRAY: Add half the required amount of water to the spray tank, then the ULTRAMINE 500 with agitation and finally the balance of the water with continued agitation.

#### INDUSTRIAL SITES

ROADSIDE AND GENERAL WEED CONTROL: For taller weed growth, such as in vacant lots, on roadsides and along fence rows, sufficient spray should be used to wet all foliage thoroughly. Use ULTRAMINE 500 at the rate of 3.75 L/ha in 1000 L of water. Deep-rooted perennial weeds such as bindweed and Canada thistle, may require repeated applications as new growth appears.

FOR TREATING SMALL AREAS: 50 mL of ULTRAMINE 500 in 10 L of water is approximately equivalent to 5.0 L in 1000 L.

INDUSTRIAL AND FOREST SITES  
(for control of red alder and willow)

STUMP TREATMENT: Where growth is greater than 2 - 3 m, cut it close to the ground (at least 50 cm) and treat all the stumps and stubs. Use a solution of one part ULTRAMINE 500 to 2 parts of water and apply with a brush or sprayer to obtain complete coverage of all cut surfaces. Apply at any time, including the winter months, preferably to freshly cut stumps. Best results are obtained on stumps 5 cm across or larger. Trash from brush cutting operations such as sawdust, leaves, branches, etc. should be removed from the base of the stumps before the chemical is applied.

FRILLING AND INJECTOR TREATMENT: For trees over 15 cm d.b.h. (diameter at breast height) make a complete frill around the tree by making a series of overlapping axe cuts. For trees smaller than 15 cm make one notch for each 3 cm of diameter. Prepare the injection solution by diluting one part of ULTRAMINE 500 with 2 parts of water. Inject 1 mL of this solution into each cut into the tree. For trees with a complete frill apply as much solution as the frill will hold without runoff. The notch or injector hole should be angled downward so as to retain the chemical. Spacing is important.

USE PRECAUTIONS  
WARNING

FOR AERIAL APPLICATIONS: Do not spray when winds exceed 8 km/ph. Do not spray in dead calm near sensitive plants. The 'cloud' of suspended droplets may drift onto sensitive plants when the wind comes up. Spray only when wind is blowing away from a sensitive crop, shelterbelt or garden.

SENSITIVE PLANTS: Do not apply this product directly to, or otherwise permit it to come into contact with vegetables, flowers, grapes, fruit trees, ornamentals and other desirable plants which are sensitive to ULTRAMINE 500 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. (Course 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 graze or cut for hay treated

immature crops within 24 hours of application of ULTRAMINE 500.

#### PRECAUTIONS

Causes Irritation of Skin and Eyes

DO NOT GET IN EYES

Avoid contact With Skin and Clothing

KEEP OUT OF REACH OF CHILDREN

#### FIRST AID

If swallowed, induce vomiting and get medical attention, or contact a Poison Control Centre. 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 before re-use.

#### TOXICOLOGICAL INFORMATION

Treat Symptomatically

**STORAGE:** Do not store near fertilizers, seeds, insecticides or fungicides. If this product is exposed to temperature below 0°C, it should be warmed to at least 4°C and mixed thoroughly before using.

**SPRAYER CLEANUP:** Rinse equipment and container thoroughly with detergent and water. Spray equipment used to apply ULTRAMINE 500 should not be used to apply other pesticides to susceptible crops.

#### 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 clean-up of spills contact the Provincial Regulatory Agency or the manufacturer.

**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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