

87.04.24

AGRICULTURAL

2,4-D
AMINE 500

LIQUID HERBICIDE

CARGILL

For the selective control of broad-leafed
weeds in wheat, barley, rye, corn, and the
control of specific annual and perennial
weeds in grasses.

WARNING POISON

READ THE LABEL BEFORE USING

GUARANTEE: 2,4-D equivalent.....470g/L
(present as amine salts of 2,4-D)

REGISTRATION NO. 9777 PEST CONTROL PRODUCTS ACT

MANUFACTURED FOR
CARGILL LIMITED
P.O. Box 5900, Winnipeg, Manitoba R3C 4C5

GENERAL INFORMATION

CARGILL 2,4-D AMINE 500 contains 470g 2,4-D equivalent per L and should be applied as a uniform spray in 55-110 L of water per hectare. CARGILL 2,4-D AMINE 500 is somewhat milder acting than the Esters of 2,4-D. It is effective however on a wide range of weeds and in addition has low volatility which makes it one of the safer chemicals to use in susceptible crop areas.

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 to the spray tank, then the 2,4-D AMINE 500 with agitation, and finally the balance of water with continued agitation.

Selective weed control in small grains: Weeds differ in the susceptibility to 2,4-D AMINE 500 and not all types can be controlled satisfactorily in crops. The amount of 2,4-D AMINE 500 to use will depend upon the susceptibility and whether the crops will tolerate the amount. See chart.

Selective weed control in small grains underseeded with a legume: 2,4-D AMINE 500 may be used on grain interplanted with alfalfa (Except Flemish types such as alfa or dupuits alfalfa), red clover, ladino clover and alsike. Do not use on grain interplanted with sweet clover or birdsfoot trefoil. Spray with 350 mL on alfalfa and no more than 700 mL 2,4-D AMINE 500/ha on red clover, alsike and ladino when legumes are at about the 2nd true leaf stage.

APPLICATION RATES

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

MIXED WEEDY GROWTH	Stage of Weed Kind of Weather	litre(s) per/ha	grams acid per/ha	hectares treated per L
Susceptible Blue bur, Prickly Lettuce, Flixweed, Ragweeds, Kochia, Russian Pigweed Lamb's Quarters, Shepherds Purse, Mustards, Stinkweed.	Seedlings (2-4 leaves) Growing rapidly.	700 mL	350	14
	Weeds in bud. Dry or cool weather. Heavy infestation.	to 1.1	to 550	to 0.9

Above, plus More resistant Blue Lettuce*, Smartweed, Dog Mustard, Tumble Weed, *Field Bindweed, *Canada & Sow Thistle, *Leafy Spurge, Red Root Pigweed, Russian Thistle, Wild Buckwheat, Hemp Nettle	Seedlings (2-4 leaves) Growing rapidly. Weeds in Bud. Dry or cool Weather. Heavy Infestation.	(1.25) to (1.75)	(625) to (875)	0.8 to 0.6
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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 Wild Buckwheat - Better control will result from 2 treatments of 2,4-D AMINE 500 applied one week apart at 440 mL/ha (220 g of 2,4-D).

Wheat, Barley and Rye: Spray from the 3-leaf expanded stage: (15 cm tall) to just before the flag-leaf (shot-blade) 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.

Corn: Emergence - Use 1.5 L/ha 2,4-D AMINE 500 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 to 20 cm tall and most weeds have germinated but are still in seedling stage. Use drop nozzles to keep spray off corn foliage. Do not cultivate until at least 2 weeks after treatment.

Established Alfalfa and Grasses - Western Canada: To control such susceptible perennials or winter annuals, spray with 2,4-D AMINE 500 at 1.1 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 2,4-D AMINE 500/ha in not less than 450 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.

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. Use at the rate of 2.5 to 5 L 2,4-D AMINE 500 in 1000 L of water. Deep-rooted perennial weeds such as bindweed and Canada thistle may require repeated applications as new growth appears.

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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