

16-APR-1996

(booklet)

IPCO(R)
2,4-D Amine 500
LIQUID HERBICIDE LIQUIDE

10 LITRES

AGRICULTURAL

READ THE LABEL BEFORE USING

GUARANTEE:
2,4-D 470* g/L
(Present as Amine)

*Isomer specific analysis

REGISTRATION NO. 20311 PEST CONTROL PRODUCTS ACT

WARNING POISON

Interprovincial Cooperative Limited
P.O. Box 1050, Saskatoon, Saskatchewan S7K 3M9
Calgary, Regina, Winnipeg, Mississauga, Montreal, Moncton

*T.M. Reg'd.

5970196

LABEL INDEX 2,4-D Amine 500	
PRECAUTIONS	GO TO SECTION 1
SPRING WHEAT, BARLEY, RYE	GO TO SECTION 2
WINTER WHEAT, FALL, RYE	GO TO SECTION 3
ESTABLISHED GRASS PASTURES, RANGELAND	GO TO SECTION 4
TURF (LAWNS, PARKS, ETC)	GO TO SECTION 5
CORN	GO TO SECTION 6
RIGHT OF WAY	GO TO SECTION 7
TANK MIXES	GO TO SECTION 8
MIXING AND APPLICATION INSTRUCTIONS	GO TO SECTION 9
FIRST AID	GO TO SECTION 10
RINSING AND DISPOSAL	GO TO SECTION 11

SECTION 1

Precautions

Handling precautions: KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes, skin and clothing. May cause skin irritation. Do not breathe spray mist or vapours. Protective Clothing and Equipment: Handling the concentrate (mixing and loading): Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eye wear (face shield or safety glasses). Rinse gloves before removal. Coveralls or a chemical-resistant apron should also be worn when open pouring from container into spray tank. Handling the dilute spray solution (during application or repairing or cleaning equipment): Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal. Gloves are not required during application when applicator is in an enclosed tractor or in an enclosed airplane cockpit.

Operator use precautions:

- Wear freshly laundered clothing and clean protective equipment daily.
- Rinse gloves before removal.
- Wash hands before eating, drinking, using tobacco or using the toilet.
- If herbicide penetrates clothing remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- After using this product, remove clothing and launder separately, and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- After work, remove all clothing and shower using soap and water.

General Precautions: Do not spray when there is any danger of wind or on exceptionally hot days over 27 deg. C. Avoid spray or vapour drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles where possible. Use special care in airplane application where danger from drift is greater. Avoid contamination of foods. Do not use in a greenhouse. Keep in original container during storage. Do not store near seeds,

feeds, fertilizers or pesticides used on crops sensitive to this product. Clean spray equipment thoroughly after use and rinse with clean water. Do not use spray equipment to apply other pesticides to crops sensitive to this product. Do not re-use empty containers.

GO TO SECTION 2	
SECTION 2	
CROP:	SPRING WHEAT, BARLEY, RYE
Treatment Stage:	Ground or air application. Treat from 4th leaf stage to just before the flag leaf (shot blade) stage.
Susceptible Weeds:	Bluebur, Ragweed, Kochia, Lamb's-quarters, Shepherd's Purse, Stinkweed, Cocklebur, Prickly Lettuce, Mustards, Russian Pigweed. Flixweed, Narrow Leafed Hawk's Beard- Susceptible in the fall and at 1-2 leaf stage in the spring.
RATES TO USE ON SUSCEPTIBLE WEEDS:	
Small seedlings, good growing conditions:	700 mL/ha
Weeds in bud, dry conditions, very heavy infestation:	1.1 L/ha
HARDER TO KILL WEEDS:	Common Peppergrass, Curled Dock, Dandelions, Redroot Pigweed, Prostrate Pigweed, Russian Thistle, Dog Mustard, Sow Thistle, Canada Thistle*, Leafy Spurge*, Blue Lettuce*. *Top growth control only. Flixweed, Narrow Leafed Hawk's Beard controlled in spring if treated before bolting stage.
RATES TO USE ON HARDER TO KILL WEEDS:	

Small seedlings, good growing conditions: Weeds in bud, dry conditions heavy infestation:	1.25 L/ha 1.75 L/ha THESE HIGH DOSES MAY CAUSE CROP INJURY. IN MOST CASES THIS INJURY WILL BE MORE THAN OFFSET BY INCREASED YIELDS DUE TO THE REMOVAL OF THE WEEDS
Pre-Harvest Intervals (Wheat, Barley, Rye)	1. Do not permit lactating dairy animals to graze fields within 7 days after application. 2. Do not harvest forage or cut hay within 30 days after application. 3. Withdraw meat animals from treated fields at least 3 days before slaughter.
GO TO SECTION 9	

SECTION 3	
CROP:	FALL (WINTER) WHEAT, FALL RYE
TREATMENT STAGE:	Treat in the Spring between the time the crop starts to grow until flag leaf stage.
SUSCEPTIBLE WEEDS:	As listed in Section 2.
RATES TO USE ON SUSCEPTIBLE WEEDS:	
Small seedlings, good growing conditions: Weeds in bud, dry conditions, very heavy infestations:	700 mL/ha 1 L/ha
HARDER TO KILL WEEDS:	As listed in Section 2.
RATE TO USE ON HARDER TO KILL WEEDS:	1 L/ha Rates above 1 L per hectare may cause crop damage.

PRE-HARVEST INTERVALS (WINTER WHEAT, FALL RYE):	<ol style="list-style-type: none"> 1. Do not permit lactating dairy animals to graze fields within 7 days after application. 2. Do not harvest forage or cut hay within 30 days after application. 3. Withdraw meat animals from treated fields at least 3 days before slaughter.
GO TO SECTION 9	

SECTION 4	
CROP:	ESTABLISHED GRASS PASTURES, RANGELAND
TREATMENT STAGE:	Treat in Spring (May & early June) and early September for best results.
SUSCEPTIBLE WEEDS:	As listed in Section 2.
HARDER TO KILL WEEDS:	As listed in Section 2.
Rates to Use on Susceptible Weeds	2 L/ha
More Resistant Weeds:	4 L/ha
PRE-HARVEST INTERVALS (ESTABLISHED PASTURES AND RANGELAND)	<ol style="list-style-type: none"> 1. Do not permit lactating dairy animals to graze fields within 7 days after application. 2. Do not harvest forage or cut hay within 30 days after application. 3. Withdraw meat animals from treated fields at least 3 days before slaughter.
GO TO SECTION 9	

SECTION 5	
CROP:	TURF, ESTABLISHED FAIRWAYS, GOLF COURSES, LAWNS, PARKS.
TREATMENT STAGE:	Treat in Spring (May & early June) and early September for the best results.

WEEDS CONTROLLED:	Plantain, Dandelion, Curled Dock, Mustard, Pigweed, Ragweed, Shepherd's Purse and other weeds susceptible to 2,4-D.
RATE TO USE:	2 L/ha
MAXIMUM APPLICATION FREQUENCY TO TURF:	For good turf/lawn management, normally two applications per year per treatment site are adequate. This does not include spot treatments.
RE-ENTRY INTERVAL FOR TURF:	Do not allow people (other than applicators) or pets on treatment area during application. Do not enter treated areas until spray has thoroughly dried.
GO TO SECTION 9	

SECTION 6	
CROP:	CORN
TREATMENT STAGE:	Treat before corn is 15 cm high.
SUSCEPTIBLE WEEDS:	Use to control Atrazine resistant broadleaf species such as Lamb's-quarters and Pigweed. (other 2,4-D susceptible weeds are also controlled.)
RATES TO USE: Small seedlings, good growing conditions: Larger weeds or adverse growing conditions:	700 mL/ha: 1 L/ha:
PRE-HARVEST INTERVALS (CORN):	1. Do not permit lactating dairy animals to graze fields within 7 days after application. 2. Do not harvest as forage within 30 days after application. 3. Withdraw meat animals from treated fields at least 3 days before slaughter.
GO TO SECTION 9	

SECTION 7	
CROP:	RIGHTS OF WAY (CONTROL OF WOODY PLANTS)
TREATMENT STAGE:	Spray in June when leaves are fully expanded.
SUSCEPTIBLE TREES & BUSHES:	Aspen, Poplar, Choke Cherry, Willow, Western Snowberry, Sumac, Sagebrush, Hazelnut, Elderberry.
RATE TO USE:	4.25 - 8.0 L/ha
GO TO SECTION 9	

SECTION 8	
1. TANK MIX	2,4-D AMINE 500 + BANVEL(R) 480
CROP:	WHEAT & BARLEY
TREATMENT STAGE:	Treat from 2-5 leaf stage of barley or wheat.
SUSCEPTIBLE WEEDS:	Canada Thistle*, Sow Thistle*, Buckwheat, Smartweed, Cow Cockle, Corn Spurry. *Top growth control only.
RATES TO USE: Wheat	2,4-D Amine 500 850 mL/ha plus + Banvel(R) 480 290 mL/ha
Barley	2,4-D Amine 500 850 mL/ha plus + Banvel(R) 480 210 mL/ha
PRE-HARVEST INTERVAL:	Observe the more restrictive intervals specified on Banvel(R) label.
GO TO SECTION 9	

2. TANK MIX	2,4-D Amine 500 + TCA
CROP:	BARLEY ONLY
TREATMENT STAGE:	Apply at the 4 leaf stage of the crop when weeds are in the 1-3 leaf stage.
SUSCEPTIBLE WEEDS:	2,4-D susceptible weeds plus green foxtail (wild millet).

RATES TO USE:	2,4-D Amine 500 + TCA	1 L/ha 1.1 kg/ha
NOTE: Add TCA and completely dissolve before adding 2,4-D to the spray tank. Use 100-150 litres of water per hectare.		

GO TO SECTION 9

3. TANK MIX	2,4-D Amine 500 + Mecoprop 200	
CROP:	TURF	
TREATMENT STAGE:	In established turf-May and June, late August and September, unless area irrigated.	
WEEDS CONTROLLED:	Black Medick, Chickweed, Clover, Dandelion, English Daisy, Plantain, Ragweed, Ground Ivy (Creeping Charlie), Knotweed, Poison Ivy.	

RATES TO USE:

Mecoprop 200	2,4-D 500	Amount of Water	Area Covered
60 mL	+ 25 mL	10 Litres	100 m ²
1.5 L	+ 625 mL	250 Litres	Spray to wet leaves and stem of weeds thoroughly. Do not soak grass.
3 L	+ 1.25 L	500 Litres	
6 L	+ 2.5 L	1000 Litres	

GO TO SECTION 9

4. TANK MIX	2,4-D Amine 500 + Mecoprop 200 + Banvel (R) 480	
CROP:	TURF	
TREATMENT STAGE:	In established turf - May and June, late August and September, unless area irrigated.	
WEEDS CONTROLLED:	Black medick, Chickweed, Clover, Dandelion, English Daisy, Plantain, Ragweed, Ground Ivy (Creeping Charlie), Knotweed, Poison Ivy.	

RATES TO USE:				
Mecoprop 200	2,4-D Amine 500	Banvel (R)480	Amount of water	Area Treated
30 mL	25 mL	2.25 mL	10 L	100 sq. m.
3 mL	2.5 mL	.23 mL	1 Litre	Spray to wet leaves and stems thoroughly. Do not soak grass.
750 mL	625 mL	56.25mL	250 L	
1.5 L	1.25 L	112.5mL	500 L	
3 L	2.5 mL	225 mL	1000 L	
GO TO SECTION 9				

SECTION 9

MIXING AND APPLICATION INSTRUCTIONS:

1. Fill tank half full of water.
2. Add 2,4-D Amine 500. Transfer Systems: For containers larger than 20L, use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.
3. For tank mixes add 2,4-D first (except with TCA) then the other herbicides.
4. Complete filling of tank with water.
5. Use 60-240 litres of water per hectare for application by ground unless otherwise specified.
6. Do not exceed 275 kPa pressure for ground application.

Use Precautions for Aerial Application:

1. Avoid direct applications to any body of water. Do not contaminate water through spray drift or by cleaning of equipment or disposal of wastes.
2. A minimum volume of 30L per haectare of spray solution can be safely used, depending on the type of application system and the target site. Use boom pressure of 235 kPa or less. Avoid placing nozzles where spray will enter wing tip vortices.
3. Do not apply this product directly to, or otherwise permit it to come into direct contact with desirable crops or other desirable broadleaf plants or non-target species and do not permit spray mists to drift onto them.
4. Coarse sprays are less likely to drift, use only nozzles or nozzle configuration which minimize the production of fine spray drops. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. When spraying avoid combinations of pressures and likely to drift. A spray thickening agent or drift retardant may be used with this product to aid in

- reducing spray drift.
5. Do not use human flaggers.
 6. Avoid spray drift: Apply only when there is little or no hazard from spray drift. Small quantities of the spray, which may not be visible, may seriously injure susceptible crops and damage sensitive non-target habitat. A method must be used to detect air movement, lapse conditions, or temperature inversions (stable air) such as the use of balloons, or a continuous smoke column at or near the spray site or a smoke generator on the spray equipment. If the smoke develops into layers or indicates a potential for hazardous spray drift, do not spray. Do not spray in winds exceeding 8 km per hour.
 7. Buffer zones: Appropriate buffer zones should be established between treatment areas and aquatic systems and treatment areas and significant wildlife habitat.

GO TO SECTION 10

SECTION 10

FIRST AID:

1. In case of poisoning, call a physician or poison control centre immediately.
2. If on skin, remove contaminated clothing and wash skin thoroughly with soap and water.
3. If in eyes, flush with water immediately and continue for 5-10 minutes. Obtain medical attention.
4. If swallowed, induce vomiting, then take patient to nearest hospital or doctor's office. Take the pesticide label with you.

GO TO SECTION 11

SECTION 11

DISPOSAL INFORMATION:

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 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 offense 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 of handling of this product and accepts the product on that condition.

16-APR-1996
(Label)

IPCO(R)
2,4-D Amine 500
LIQUID HERBICIDE LIQUIDE

10 LITRES

AGRICULTURAL

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GUARANTEE:
2,4-D 470* g/L
(Present as Amine)

*Isomer specific analysis

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2,4-D Amine

PRECAUTIONS:

Handling precautions: Avoid contact with eyes, skin and clothing. May cause skin irritation. Do not breathe spray mist or vapours.

Protective Clothing and Equipment: Handling the concentrate (mixing and loading): Wear long sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eye wear (face shield or safety glasses). Rinse gloves before removal. Coveralls or a chemical-resistant apron should also be worn when open pouring from containers greater than 5L. Handling the dilute spray solution (during application or repairing or cleaning equipment): Wear long-sleeved shirt, long pants, chemical resistant gloves, socks and shoes. Rinse gloves before removal. Gloves are not required during application when applicator is in an enclosed tractor or in an enclosed airplane cockpit.

Operator use precautions:

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