

12-JAN-2000

MIRAGE® HERBICIDE

LIQUID SYSTEMIC HERBICIDE FOR CONTROL OF BROADLEAF WEEDS

AGRICULTURAL

PROTECT FORM FREEZING

GUARANTEE:

MCPA Equivalent 275 g/L
Mecoprop (D-isomer equivalent) .. 62.5 g/L
Dicamba 62.5 g/L
(all present as amine salts)

REGISTRATION NO.: 22130

PEST CONTROL PRODUCTS ACT

CAUTION POISON

READ THE LABEL AND PAMPHLET BEFORE USING.

Novartis Crop Protection Canada Inc.
140 Research Lane
Research Park, University of Guelph
Guelph, Ontario N1G 4Z3

PAMPHLET

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.

FIRST AID:

If swallowed, induce vomiting. Obtain prompt medical attention or contact a poison control centre.

If on skin, wash with soap and water. If irritation occurs, get medical attention or contact a poison control centre.

If in eyes, flush with clean water for 15 minutes. If irritation occurs, get medical attention or contact a poison control centre.

Take container, label or product name and Pest Control Product number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Do not reuse containers. Do not allow spray drift to contact plants other than those being sprayed. Do not contaminate streams, lakes, ponds, and irrigation water, water used for livestock, or domestic purpose through spray drift or by cleaning of equipment or disposal of wastes. Sprayers which have contained MIRAGE should not be used to apply other pesticides to MCPA or 2,4-D susceptible crops.

If 2,4-D or MCPA 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 high volume sprays under low pressure, coarse sprays and drop nozzles. Susceptible crops include grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, soybeans, turnips, cauliflower and cabbages as well as many other field, vegetable, ornamental and fruit crops. If MIRAGE is applied when crop is under stress, shortening of straw may occur, but yield will not be affected. Avoid direct applications to any body of water. DO NOT GRAZE OR HARVEST FOR LIVESTOCK FEED WITHIN SEVEN (7) DAYS OF APPLICATION. PROTECT FROM FREEZING.

CONTAINER DISPOSAL OR REFILLING:

FOR DISPOSAL OF 10L CONTAINERS.

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for

the location of the nearest collection site. Before taking the container to the collection site:

1. Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

FOR REFILLABLE CONTAINERS:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

FOR DISPOSAL OF UNUSED, UNWANTED PRODUCT:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-267-6351

GENERAL INFORMATION:

For systemic control of many broadleaf weeds in:

wheat (spring, durum and winter),
barley,
oats,
stubble fields,
summerfallow,
annual canary grass.

Note: Do not underseed to legumes.

WEEDS CONTROLLED:

Best results are obtained when weeds are in the 2-3 leaf stage and actively growing. Less than satisfactory control may result if weeds are not actively growing.

Buckwheat (wild, tartary, volunteer cultivated)	Lamb's-quarters
Cleavers(1)	Mustards (wild, ball, tall, wormseed, yellow)

Common Ragweed
 Corn Spurry
 Cow Cockle
 Flixweed
 Green Smartweed
 Hempnettle(2)
 Knotweed
 Kochia
 Lady's-thumb

Night Flowering Catchfly
 Pigweeds (prostrate, redroot)
 Russian Thistle(3)
 Shepherd's Purse
 Annual Sow Thistle
 Stinkweed
 Volunteer Rapeseed
 Volunteer Sunflowers
 Also Chickweed and Green Foxtail by
 tank mixes

Top Growth Control Only:

Canada Thistle (for gradual eradication program see page 8)
 Field Bindweed,
 Hedge Bindweed,
 Perennial Sow Thistle

Notes:

- (1) Cleavers: Spray in 1-2 whorl stage
- (2) Hempnettle: Spray before second pair of true leaves
- (3) Russian Thistle: Spray when less than 5 cm in height

TIMING OF APPLICATION:

Crop	Crop Stage
Wheat (spring, durum) Oats Annual Canary Grass	2 to 5 leaf
Winter Wheat	For winter wheat, apply in the spring before the crop is more than 30 cm high (top leaf extended). Winter annual weeds should be sprayed as soon as new growth starts.
Barley	2 to 4 leaf

Note: Application smade later than the recommended timing may result in flattening of the crop and shortening of the straw (particularly under stress conditions).

Application information:

Rate 1.0 to 1.5 litres per hectare

Use the 1.5 L/ha rate:

- a) when weeds are not actively growing due to extended periods of hot and dry or cold and wet weather prior to or following application
- b) when weeds are beyond the 3-leaf stage
- c) for heavy weed infestations.
- d) for top growth control of Canada Thistle, Perennial Sow Thistle, Field Bindweed, Hedge Bindweed and for control of Cleavers.
- e) For control of OVERWINTERING Flixweed, Shepherd's-Purse and stinkweed.

Avoid overlapping. Shut off spray boom while starting, turning, slowing and stopping, otherwise crop injury may result.

DO NOT APPLY BY AIR.

BROADLEAF WEEDS, WILD OATS, GREEN AND YELLOW FOXTAIL CONTROL IN SPRING WHEAT ONLY IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGION OF B.C.

To control broadleaf weeds, wild oats and yellow foxtail in spring wheat only in the following tank mix:

MIRAGE 1.0 - 1.5 L/ha+	Broadleaf Weeds and Wild Oats	Green Foxtail Wild Oats Yellow Foxtail and Broadleaf Weeds
	230 mL/ha of HORIZON 240 EC 0.8% volume/volume of SCORE (800 mL of SCORE in 100 L of water per hectare)	290 mL/ha of HORIZON 240 EC 1.0% volume/volume of SCORE (1 L of SCORE with 100 L of water per hectare)

Notes:

1. Do not use MIRAGE/HORIZON Tank Mix on barley or on oats.
2. Consult Tank Mix partner label for detailed instructions and precautions.

3. Apply when spring wheat is in the 2-5 leaf stage.
4. DO NOT APPLY THIS TANK MIX BY AIR.
5. Use a minimum of 100 L of water per hectare.
6. Observe a minimum interval to harvest of 60 days after treatment.
7. Observe a minimum of 7 days before grazing livestock on crops treated with the tank mix.
8. Apply when broadleaf weeds are in the 2-3 leaf stage, when wild oats are in the 1-6 leaf stage and when foxtails are in the 1-5 leaf stage.
9. Do not contaminate streams, rivers, lakes, ponds, wetlands, sloughs, irrigation waters, vegetated ditch banks and other water used by livestock or for domestic purposes. Do not apply within 15 metres of a wetland area or any of the aforementioned bodies of water.

CHICKWEED CONTROL:

To control chickweed and other hard-to-kill broadleaf weeds in wheat and barley use one of the following tank mixes:

	TANK MIX PARTNER	RATE
MIRAGE 1.0-1.5 L/ha +	SENCOR 500 F (1) or	275-425 mL/ha
	LOROX L or	425 mL/ha
	AFOLAN F	470 mL/ha

Consult the tank mix partner label for detailed instructions and precautions.

- 1 For Western Canada only: Application of this tank mix at later crop stages may result in injury if crop is under stress.

CANADA THISTLE:

Program for gradual eradication of Canada Thistle:

Year 1: Summerfallow	Apply 2 litres per hectare when Canada Thistle is in early bud stage. Do not cultivate for a minimum of 4 weeks after application.
Or: Post Harvest (Stubble)	Apply 2 litres per hectare to Canada Thistle regrowth. Treatment at the 15-20 cm stage of actively growing Canada Thistle will provide the best results. Do not apply within 2 weeks of killing frost.
Year 2: In Crop	Apply 1.5 litres per hectare when Canada Thistle is young and actively growing.

Note: Repeating this program will gradually eliminate Canada thistle.

MIXING AND SPRAYING INSTRUCTIONS:

NOTE: Do not add an acidifier to the spray mixture.

- Spray pressure: 200-300 kPa
 - Spray volume: minimum of 100 litres of water per hectare
 - Use 50 mesh screen and filters
1. Fill the sprayer ½ full with water. Start gentle agitation.
 2. Add tank mix partner, if applicable, and agitate thoroughly.
 3. Fill tank 3/4 full with water and add MIRAGE.
 4. Complete filling of sprayer and maintain gentle agitation while mixing and spraying.
 5. Do not allow contents to stand without agitation.

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