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BLAZINE (R) LIQUID

AGRICULTURAL

HERBICIDE

Net Contents: 10 L

A suspension herbicide for selective preplant incorporation and pre-emergence weed control in corn

GUARANTEE:

cyanazine	320 g/L
atrazine	153 g/L
related actives	7 g/L

READ THE LABEL BEFORE USING

REGISTRATION NO.: 17,902
PEST CONTROL PRODUCTS ACT

CAUTION POISON

CIBA-GEIGY CANADA LTD.
Plant Protection Division
6860 Century Avenue
Mississauga, Ontario
L5N 2W5

INTRODUCTION:

Note: Do not use after corn is up.

Blazine (R) Liquid is a selective herbicide for preplant incorporation and pre-emergence control of annual grasses and broadleaf weeds in field corn and sweet corn.

Blazine provides broad spectrum weed control over a wide range of weather conditions and soil types. Blazine is particularly useful in situations where barnyard grass and pigweed are prominent in the weed spectrum, and is active on all mineral

soils, including heavy clays such as Brookston Clay.

Triazine Tolerant Weeds

Some naturally occurring triazine tolerant biotypes of the weeds listed on this label may not be controlled by Blazine Liquid alone. Refer to specific recommendations in the tank mix section of this label or consult your local agricultural authority.

GENERAL INFORMATION:

Preplant incorporation treatment should be applied broadcast and incorporated thoroughly into the top 5 cm of soil. Tillage equipment such as tandem discs or "S-tine" cultivators should be set to work the soil no deeper than 10 cm to ensure shallow incorporation. Blazine Liquid does not need to be incorporated immediately.

Pre-emergence treatments are active mainly through the roots and, therefore, effect on weeds is dependent on adequate rainfall to move the herbicide into the root zone. Performance results indicate that if at least 1.25 cm of rain does not fall within 7-10 days following application, a rotary hoeing or shallow cultivation will be required to move the material into moist soil; incorporation into dry soil is not recommended. If some seedlings do escape Blazine treatments in dry weather, a shallow cultivation will be necessary to smother them. A weed should be considered an escape when it has reached the 2 to 3-leaf stage. Blazine Liquid is not recommended for use post-emergence.

SEEDBED PREPARATION

Prepare a smooth seedbed, free from lumps or clods. Do not apply Blazine on loose or rough soil surfaces. For pre-emergent band applications, mount the spray nozzle behind the press wheel.

WEEDS CONTROLLED BY BLAZINE:

GRASSES:

Barnyard Grass	Fall Panicum*	Witchgrass
Crabgrass	Green Foxtail	Yellow Foxtail

BROADLEAVES:

Black Nightshade	Lamb's-quarters	Shepherd's-purse
Common Purslane	Pigweed	Wild Buckwheat

Lady's-thumb
Velvetleaf**

Prostrate Knotweed
Ragweed

Wild Mustard
Wormseed Mustard

Note:

* Preplant incorporated and pre-emergence applications do not adequately control fall panicum under conditions which delay weed germination, such as low temperature or lack of soil surface moisture. Blazine will not control deep-rooted perennials such as milkweed, Canada thistle, etc. Quack grass (couchgrass) and nutsedge are not controlled.

** Use a tank mix combination of Blazine Liquid and Banvel (R). (See section on Blazine Liquid/Banvel Tank Mix Combination).

DOSE RATE AND SOIL TYPE		
	SANDY LOAM SOILS	MEDIUM/HEAVY SOILS
Preplant incorporated	6.7 L/ha	8.3 L/ha
Pre-emergence	5.5 L/ha	7.0 L/ha

For band applications use proportionately less material.

Blazine is not recommended for use on sandy soils (consisting of more than 70% sand) or soils containing less than 1% organic matter.

TIMING:

Blazine Liquid should be applied any time before or after planting but before emergence of the corn crop.

BLAZINE LIQUID/BANVEL (R) TANK-MIX COMBINATION

This combination cannot be used safely on SWEET CORN.

Mixtures of Blazine L and Banvel applied pre-emergence will provide effective control of grasses and annual broadleaf weeds including triazine tolerant biotypes and velvet leaf. Use the

following rate:

Pre-emergence

7.0 L Blazine Liquid plus 1.50 litres Banvel per hectare. Do not use on SAND or SANDY LOAM soils.

Do not apply this mixture post-emergence.

APPLICATION METHOD:

Thoroughly clean the sprayer prior to use. Do not use a sprayer contaminated with 2,4-D or other materials since damage to corn or sprayer clogging may result.

Fill the spray tank 2/3 full with water and turn on the agitation system. Add the Blazine Liquid and finish filling the spray tank. When mixing Blazine with Banvel, fill the spray tank 2/3 full of water and turn on the agitation system. Add the Blazine Liquid and agitate for a few minutes until thoroughly mixed. Add the Banvel and finish filling the tank.

The spray tank should be designed to provide sufficient agitation to keep the herbicide in suspension during mixing and spraying. After any break in the spraying operation, agitate thoroughly. Apply 150-300 litres of spray solution per hectare for overall treatment. (Use nozzles which have an orifice equal to or larger than Tee Jet 8003 in conjunction with 50-mesh screens.) Spray at a pressure of about 200 kPa. If allowed to stand in a spray tank or nurse tank for an extended period (several hours or overnight), strong agitation is required to re-suspend the material and to maintain a uniform suspension.

NOTE: Do not use the Blazine/Banvel mixture on SWEET CORN. Follow all the precautions and warnings that appear on the Blazine and Banvel labels.

USE PRECAUTIONS:

Land treated with Blazine should not be planted to any crop other than corn in the year of application of the product. When used as recommended under normal growing conditions, there is virtually no hazard to rotational crops with the exception of tobacco and sugar beets. However, when the rotational crop is subjected to stress conditions, e.g., abnormally hot, dry

weather, preceded by extended periods of dry weather during the season of treatment, injury may occur. Uneven application or overdosing of Blazine may result in injury to rotational crops other than corn. Do not add other herbicides or adjuvants to Blazine.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Do not take internally. Harmful or fatal if swallowed. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of vapours or spray mist. When applying the product wear a coverall over a long-sleeved shirt and pants and chemical-resistant boots. Additionally, wear chemical-resistant gloves, when servicing the sprayer and during cleanup. Persons involved in mixing/loading operations should wear the previously mentioned clothing, chemical-resistant gloves and a face shield.

Do not eat drink or smoke when using product. Wear freshly laundered clothes daily. Wash hands and face before eating, drinking, smoking or using the toilet. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse.

This product should not be mixed/loaded within 30 meters of any wells, lakes, streams, ponds or sink holes in order to avoid the potential of well or surface water contamination. Do not use this product within 10 meters of the above mentioned water sources. Avoid contamination of food and feed, domestic or irrigation water supplies, lakes, streams and ponds. Do not apply this product through any type of irrigation system. Do not re-use container, except for refillable containers; destroy when empty. Use only on labelled crops. Do not apply at rates greater than those specified on this label.

CAUTION: Do not graze, or cut for fodder, treated immature crops. (In the case of corn, immature means before ear emergence). There are not sufficient data to support such use.

FIRST AID:

If swallowed, induce vomiting immediately. This should be done by introducing a finger into the throat. NEVER GIVE ANYTHING BY

MOUTH TO AN UNCONSCIOUS PERSON. Keep patient lying down and quiet. Transport the patient immediately to the nearest physician.

Skin contact: If spilled on the skin, remove all contaminated clothing at once. Thoroughly wash skin with soap and water. Contact physician. Wash contaminated clothing before reuse.

For eyes: If the material gets into the eyes, flush immediately with plenty of running water for at least 15 minutes. Contact physician.

DECONTAMINATION AND DISPOSAL:

1. Empty bag thoroughly into spray tank.
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product, and the cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

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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(R) Banvel is a registered trademark of Sandoz Crop Protection Corp.

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