

91.08.30

BLAZINE(R) 80W HERBICIDE

AGRICULTURAL HERBICIDE

A wettable powder herbicide for selective preplant incorporated, pre-emergence and early post-emergence weed control in corn.

Net Contents: 5 kg

READ THE LABEL BEFORE USING

GUARANTEE:

cyanazine	53.33%
atrazine.....	25.33%
related actives.....	1.34%

REGISTRATION NO.: 14,581
PEST CONTROL PRODUCTS ACT

CAUTION POISON

Manufactured by E.I. du Pont de Nemours & Co. (Inc.)
Agricultural Products, Wilmington, Delaware, U.S.A.

Distributed in Canada by
DU PONT CANADA INC.
General Products Division
Box 2300, Streetsville
Mississauga, Ontario L5M 2J4
1-800-387-2169

FIRST AID: In case of contact with skin or eyes, flush with plenty of water: for eyes, get medical attention. If swallowed, induce vomiting immediately and get medical attention.

DECONTAMINATION & 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 cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

CAUTION:

KEEP OUT OF REACH OF CHILDREN. Do not take internally. Harmful or fatal if swallowed. Keep in original container during storage.

Avoid contact with skin. Wear protective clothing such as coveralls or a long-sleeved shirt and long pants and chemical-resistant rubber gloves.

Change contaminated clothing daily and wash separately from household laundry before reuse.

Do not handle product with bare hands. Chemical-resistant gloves significantly reduce hand exposure. It is important to wear gloves for mixing/loading/clean-up operation and when making sprayer and nozzle repairs and adjustments. Do not use leather or cloth gloves.

Rinse gloves with soap and water before removal and wash hands thoroughly before eating, smoking or drinking.

Do not allow spray or spray mist to contact plants other than those being sprayed. Do not contaminate food or feed products. Do not contaminate streams, lakes, ponds, irrigation water, water used by livestock or water used for domestic purposes.

CAUTION: Do not graze the treated immature crop or cut for hay; there are not sufficient data available to support such use.

INTRODUCTION:

BLAZINE(R) 80W Herbicide is a selective herbicide for preplant incorporation, pre-emergence or early post-emergence control of annual grasses and broadleaf weeds in field corn, and sweet corn.

Blazine provides broad spectrum weed control with preplant incorporation, pre and post-emergence applications, 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 in all mineral soils, including heavy clay such as Brookston Clay.

GENERAL INFORMATION: Preplant incorporation treatments should be applied as a broadcast spray and incorporated thoroughly into the top 5 cm of soil. The incorporation equipment, such as tandem discs or "S-tine" cultivators, should be set no deeper than 10 cm to ensure shallow incorporation. "Blazine" does not need to be incorporated immediately.

Pre-emergence treatments are active mainly through the roots and, therefore, the 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 pre-emergence 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 pre-emergence "Blazine" treatments in dry weather, a shallow cultivation will be necessary to smother them. A weed should be considered a pre-emergence escape when it has reached the 2 to 3-leaf stage.

Early post-emergent applications of BLAZINE(R) 80W Herbicide should be made when annual grasses are in the 1 to 2-leaf stage (not more than 2.50 cm high); broadleaf weeds should not be more than 5 cm high. Proper application timing is particularly important following periods of hot, dry weather when weeds are tougher and more difficult to kill. Do NOT apply to corn that is larger than the 3-leaf stage (approx. 7.50 cm high). Injury to corn can occur with post-emergence application, especially during unseasonably cold, wet weather, in combination with water-logged soil conditions after long periods of high moisture. Early applications under good growing conditions reduce the risk of crop injury. Do NOT add oil, oil concentrate or other adjuvants.

SEEDBED PREPARATION: Prepare a smooth seedbed, free from lumps or clods. Do not apply "Blazine" on loose or rough soil surfaces. For pre-emergence 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	Prostrate Knotweed	Wild Mustard
Velvetleaf##	Ragweed	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.

##Emerged velvetleaf will be controlled by BLAZINE(R) 80W Herbicide applied early post-emergence up to the 3-leaf stage of corn. Velvetleaf germinating after this application may not be controlled. For best results, use a tank mix combination of "Blazine" and Banvel*. (See section on "Blazine"/Banvel Tank Mix Combination).

DOSE RATE AND SOIL TYPE

	Sandy Loam Soils	Medium/Heavy Soils
Preplant Incorporated	4 kg/ha	5 kg/ha
Pre-emergence	3.25 kg/ha	4.25 kg/ha
Early Post-emergence	3.25 kg/ha	4.25 kg/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.

BLAZINE/BANVEL(1) TANK MIX COMBINATION, PRE AND POST-EMERGENCE:
This combination cannot be used safely on SWEET CORN.

Mixtures of "Blazine" and Banvel applied pre-emergence and early post-emergence will provide effective control of annual grasses and broadleaf weeds including VELVETLEAF and TRIAZINE RESISTANT lamb's-quarters and redroot pigweed. Use the following rates:

Pre-emergence: 4.25 kg "Blazine" plus 1.25 L Banvel per hectare. Do not use on SAND or SANDY LOAM SOILS.

Early post-emergence (up to 3-leaf corn stage) 3.25 to 4.25 kg BLAZINE(R) 80W Herbicide plus 600 mL Banvel per hectare.

Use the low rate of "Blazine" on sandy loam soils and the high rate on medium to heavy soils.

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.

In a separate container make a thin slurry of "Blazine" in water. Fill the spray tank 2/3 full of water and turn on the agitation system. Add the "Blazine" slurry 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" slurry 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 the break in the spraying operation, agitate thoroughly. Apply 150-300 L 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.

FACTORS AFFECTING BLAZINE(R) 80W Herbicide PERFORMANCE: There may be a risk of temporary crop damage in post-emergent applications when the crop is under stress due to prolonged cold, wet growing conditions. If these conditions of high moisture and

cold temperature persist over a prolonged period the corn may be under such severe stress that damaged plants will not recover following a post-emergent application of "Blazine". These particular stress factors have been more prevalent in those cooler areas having on an average less than 2,500 growing heat units. In areas where these stress conditions are most likely to occur the possibility of damage can be overcome by using a pre-emergent application of "Blazine".

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".

NOTICE TO USER: This 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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