

PM-23

Reg # 7969-79

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Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 05/31-98



United States Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
244328

Application for Pesticide - Section I

1. Company/Product Number 7969-79	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Blazer herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation P.O. Box 13528 Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review: In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION
JUN 2 1996

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Modification to weed control table (change in weed sizes)

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 2 1/2 gal.	5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product			
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input checked="" type="checkbox"/> Other sleeve		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Karen R. Blundell		Title Sr. Registration Spec.		Telephone No. (Include Area Code) 919-547-2179	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamp) MAY 21 1996 REG EPA/OPP/DPD1 P2:24
2. Signature <i>Karen R. Blundell</i>		3. Title Sr. Registration Specialist			
4. Typed Name Karen R. Blundell		5. Date 5/15/96			

Blazer[®]

herbicide

For use as a burndown treatment prior to planting soybeans.

EPA Reg. No. 7969-79

All applicable directions, restrictions, precautions and Conditions of Sale and Warranty on the EPA-registered label are to be followed. This labeling must be in the possession of the user at the time of herbicide application.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

General Information

Blazer[®] herbicide is intended for selective control of certain broadleaf weeds, such as morningglories, pigweed and smartweed (Table 1). Blazer is effective through contact action; therefore, weeds must be thoroughly covered with spray. Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage.

Time and Rate of Application

Make postemergence application of Blazer and Blazer tank mixes early, when weeds are small and actively growing. Early application to weeds results in improved weed control, allows use of the lower rate (depending on weed species), and makes it easier to obtain thorough spray coverage.

Water Volume and Spray Pressure

Apply recommended rates of Blazer as follows:

Ground Equipment: Use a minimum of 10-20 gallons of water per broadcast acre and a minimum of 40 psi pressure (measured at the boom, not at the pump or in the line). Use standard high-pressure pesti-

cide hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood, whirl chamber or controlled droplet application (CDA) nozzles. Adjust the height of the boom above the crop to give complete coverage of all weeds. High gallonage and high pressure will promote coverage of weeds. For further information on optimum spray pressures for specific nozzles, refer to manufacturers' charts for recommendations. Maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture.

Air equipment: In general, use a minimum of 10 gallons of water per acre and a maximum of 40 psi pressure. However, Blazer applied in 5 gallons per acre has been effective for control of small weeds where adequate coverage can be achieved. Use only diaphragm-type nozzles producing cone or fan spray patterns.

Spray Additives

An additive is required with Blazer to achieve consistent weed control. The standard label recommendation is 1 pint of an 80% active nonionic spray surfactant per 100 gallons of water. For certain weeds, a higher spray surfactant rate is recommended. Urea Ammonium Nitrate (UAN) commonly referred to as 28%, 30% or 32% nitrogen solution, may be added in place of other spray adjuvants for improved weed control in soybeans. The standard use rate of 0.5-1 gallon per acre is recommended.

Restrictions and Limitations

Always read and follow label directions for use of Blazer in soybeans. Do not apply Blazer within 50 days of harvest for soybeans.

Do not apply more than 1.5 pints of Blazer per application.

Do not use treated plants for feed or forage.

Do not apply more than 3 pints per acre of Galaxy or 1.5 pints per acre of Storm following a 1 pint per acre application of Blazer for burndown prior to planting soybeans.

Do not apply more than 2 pints per acre of Blazer per growing season for soybeans.

In the case of crop failure, only soybeans or peanuts may be immediately replanted.

Crop Rotation Restriction: Root crops (such as carrots, turnips, sweet potatoes, etc.) must not be planted in fields treated with Blazer for 18 months following treatment.

Blazer/Roundup Tank Mix:

Blazer can be tank mixed with Roundup for additional broad spectrum weed control of grasses and certain broadleaf weeds not controlled by Blazer alone. The rate of burndown may be enhanced as compare to that of Roundup alone. Use 1-1.5 pints of Roundup tank mixed with the appropriate amount of Blazer (0.5-1 pint depending on weed size and weed spectrum. Refer to label for Blazer) for control of such weeds as small annual grasses, smartweed, marehail, pigweed, and ragweed (see Table 2). A spray additive should be used to enhance activity. The suggested additive is an 80% nonionic spray surfactant at the rate of 1 pint per 100 gallons of water.

Restrictions and Limitations (partial list)

Always read and follow label directions for use of **Blazer** and **Roundup** as a burndown treatment prior to planting soybeans. The most restrictive label language applies. Avoid drift. Do not apply during inversion conditions, when winds are gusty, or under any other condition which favors drift. Drift may cause damage to any vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

Blazer/2,4-D Tank Mix
Blazer can be tank mixed with 2,4-D LVE to provide enhanced control of certain broadleaf weeds including Pennsylvania smartweed, pigweed and velvetleaf (see **Table 3**). Use only low volatile ester formulations of 2,4-D such as 2,4-D isooctyl ester. Note that the recommended rate of 2,4-D is calculated on an acid equivalent (a.e.) basis. Make adjustments for concentration of 2,4-D formulation. Use up to 1 pound of active ingredient per acre 2,4-D tank mixed with 0.5-1 pint of **Blazer**, depending on weed size and weed spectrum. Refer to label for **Blazer**. A spray additive may be added to enhance activity of the tank mix. A nonphytotoxic crop oil concentrate applied at 1 quart per acre or **Dash HC** applied at 1 pint per acre is for use as an additive for **Blazer** and 2,4-D tank mix application.

Restrictions and Limitations (partial list)

Read and follow label directions for both **Blazer** and 2,4-D LVE when using this tank mix. The most restrictive labeling applies to tank mixes. Do not plant soybeans until 7 days after treatment when using up to 0.5 pound acid equivalent per acre 2,4-D, or until 30 days after treatment when using up to 1.0 pound acid equivalent per acre 2,4-D. Make only one application of this tank mix per growing season. Do not feed hay, forage or fodder. Restrict livestock from grazing treated fields. Do not allow livestock to graze treated cover crops.

Table 1
Application Rate Table for Soybean Burndown with Blazer

Weeds Controlled	0.5 Pint Per Acre		1 Pint Per Acre	
	Maximum		Maximum	
	Leaf Stage	Height	Leaf Stage	Height
Amaranth, Palmer	4	<2"	6	<4"
, Spiny	—	—	2	<2"
Carpetweed	—	—	Multi 3" diameter	<2"
Copperleaf, Hophornbeam	—	—	2	2"
Crotolaria, Showy	—	—	6	6"
Croton, Tropic	—	—	1-2	<2"
, Woolly	—	—	1-2	<2"
Foxtail*	—	—	2	<2"
Jimsonweed	—	—	2	<2"
Ladysthumb	—	—	4	4"
Morningglory, Cypressvine	—	—	2	2"
, Entireleaf	—	—	2	2"
, Ivyleaf	—	—	2	2"
, Purple Moonflower	—	—	2	2"
, Scarlet	—	—	2	2"
, Smallflower	—	—	2	2"
, Small White (pitted)	—	—	2	2"
, Tall (common)	—	—	2	2"
, Willowleaf (Palmleaf)	—	—	2	2"
Mustard, Wild	2	2"	4	<4"
Nightshade, Eastern Black	—	—	2-3	<2"
, Black	—	—	2-3	<2"
Pigweed, Redroot	4	<2"	6	<4"
, Smooth	4	<2"	6	<4"
Pusley, Florida	—	—	2	2"
Ragweed, Common	—	—	2	2"
, Giant	—	—	2	<2"
Sesbania, Hemp	—	—	4	4"
Smartweed, Pennsylvania	2	2"	4	4"
Waterhemp, Tall	4	2"	6	<4"

* The 1 pint rate of **Blazer** can offer suppression of small, newly emerged foxtails. Activity depends on good soil moisture during and after spray application.

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Table 2
Soybean Burndown — Tank Mix of Roundup with Blazer
Additional Weeds Controlled by Tank Mixing Roundup with Blazer

Additional Weeds Controlled by Roundup*	Height
12 ounces per acre Foxtail Bluegrass, Annual Mustard, Blue Tansy Tumble Spurry, Umbrella Sandbur, Field Stinkgrass	12" 6" 6" 6" 6" 6" 6" 12"
16 ounces per acre Bluegrass, Bulbous Bromer, Downy Buttercup Cheat Chickweed, Common Mouseear Crabgrass Falseflax, Smallseed Foxtail, Carolina Goatgrass, Jointed Groundsel, Common Horseweed, Marestalk Oats, Wild Panicum, Texas Pennycress, Field Rocket, London Ryegrass, Italian Shepherdspurse Spurge, Annual Witchgrass	6" 6" 12" 6" 6" 6" 12" 12" 6" 6" 6" 6" 6" 12" 12" 6" 6" 6" 6" 6" 6" 12"
24 ounces per acre Horseweed, Marestalk Lambsquarters, Common Sicklepod Signalgrass, Broadleaf Spurge, Annual	7-12" 7-12" 3-4" 4" 7-12"

* refer to the **Roundup** label for the complete list of weeds.