

Karen R. Blundell  
BASF Corporation  
P.O. Box 13528  
Research Triangle Park, N.C. 27709-3528

MAY 10 1995

Dear Ms. Blundell:

**SUBJECT: Label Amendment  
Blazer (R) Herbicide  
EPA Registration No. 7969-79  
Your Application Dated February 7, 1994 for a Burndown  
Treatment Prior to Planting Soybeans**

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, is acceptable with the following provisions:

1. On the front panel of the label, the EPA Registration Number reads 7969-77, which is the incorrect registration number for this product. Please correct it to read "7969-79".
2. Under the Restriction and Limitations statement, remove the statement referring to pesticide products "Galaxy" and "Storm". Since the supplemental labeling does not have the directions for use for these tank mixes, the reference to the maximum application rates of these products should be deleted. Furthermore, tank mixes with product containing the same active ingredient (acifluorfen) may result in illegal residues, and therefore, this is not permissible.
3. In Table 3, add the following statement, "of 2,4-D acid equivalent" to the soybean burndown tank mix statement, so that it reads, "Soybean Burndown.....pounds of 2,4-D acid equivalent per acre) with Blazer".

A stamped copy is enclosed for your records. Please submit (one) final printed copy for the above mentioned label before releasing the product for shipment.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	DMorgan							
DATE ▶	May 10, 1995							

1085

## Supplemental Labeling

2 7 5  
RT: 2-2-94  
COPY 3

ACCEPTED  
with COMMENTS  
In EPA Letter dated

MAY 10 1979

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

7969-79

# Blazer®

herbicide

**For use as a burndown treatment prior to planting soybeans.**

EPA Reg. No 7969-77

**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 pesticide 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**

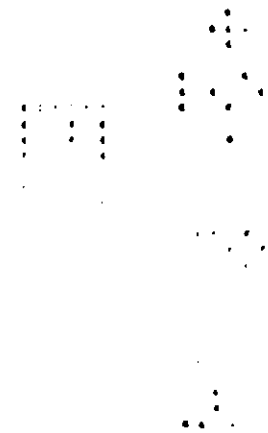
Weeds Controlled	0.5 Pint Per Acre		1 Pint Per Acre	
	Maximum		Maximum	
	Leaf Stage	Height (inches)	Leaf Stage	Height (inches)
Amaranth, Palmer	4	<2	6	<4
, Spiny	—	—	2	<2
Carpetweed	—	—	Multi 3" diameter	<2
Copperleaf, Hophornbeam	—	—	2	2
Crotalaria, Showy	—	—	6	6
Croton, Tropic	—	—	1-2	<2
, Woolly	—	—	1-2	<2
Foxtail*	—	—	2	<2
Jimsonweed	—	—	2	<2
Ladysthumb	—	—	4	4
Morningglory, Cypressvine	—	—	4	4
, 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	—	—	6	<2
, Black	—	—	6	<2
Pigweed, Redroot	4	<2	6	<4
, Smooth	4	<2	6	<4
Poinsettia, Wild	—	—	2	<2
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.

4 9 5

**Table 2**  
**Soybean Burndol - Tank Mix of Roundup with Blazer**  
**Additional Weeds Controlled by Tank Mixing Roundup with Blazer**

Additional Weeds Controlled by Roundup	Height (inches)
<b>12 ounces per acre</b> Foxtail Bluegrass, Annual Brome, Downy Mustard, Blue , Tansy , Tumble Spurry, Umbrella Sandbur, Field Stinkgrass Sicklepod	12 6 6 6 6 6 6 6 12 12
<b>16 ounces per acre</b> Bluegrass, Bulbous Buttercup Cheat Chickweed, Common , Mouseear Crabgrass Dwarfdandelion Falseflax, Smallseed Foxtail, Carolina Goatgrass, Jointed Groundsel, Common Horseweed, Maretail Oats, Wild Panicum, Texas Pennycress, Field , Fanweed Rocke, London Ryegrass, Italian Shepherdspurge Signalgrass, Broadleaf Spurge, Annual Witchgrass	2 6 6 6 6 12 12 12 12 6 6 6 6 12 12 6 6 6 6 12 6 12
<b>24 ounces per acre</b> Horseweed, Maretail Lambsquarters, Common Spurge Annual	4 7-12 7-12



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**Table 3**  
**Soybean Burndown — Tank Mix (2,4-D LVE with Blazer)**  
**Additional Weeds Controlled by Tank Mixing 2,4-D LVE (at 0.5-1.0**  
**pounds per acre) with Blazer**

<b>Additional Weeds Controlled by 2,4-D LVE</b>	<b>Height (inches)</b>
Artichoke, Jerusalem*	2-4
Aster, Many-flowered	2-4
Beggarticks*	2-4
Bullthistle	2-4
Burdock, Common	2-4
Canada Thistle	2-4
Carrot, Wild	2-4
Catnip	2-4
Chicory	2-4
Coffeeweed	2-4
Dandelion	2-4
Docks*	2-4
Dogbanes*	2-4
Evening Primrose, Common	2-4
Fleabane, Rough	2-4
Garlic, Wild*	2-4
Goldenrod*	2-4
Ground Ivy*	2-4
Healall	2-4
Hoary Cress*	2-4
Ironweed*	2-4
Knotweed*	2-4
Lettuce, Blue	2-4
, Prickly	2-4
, Wild	2-4
Mallow (Venice or Little)	2-4
Marshelder	2-4
Musk Thistle*	2-4
Mustards (except Blue Mustard)	2-4
Nettles (Including Stinging)**	2-4
Onion, Wild*	2-4
Orange Hawkweed*	2-4
Parsnips, Wild	2-4
Pepperweeds (except Perennial)	2-4
Plantains	2-4
Russian Thistle*	2-4
Salsify (Western or Common)	2-4
Sowthistles (Annual, Spiny, and Perennial)	2-4
Sunflower	2-4
Vervains*	2-4
Vetches*	2-4

\* These species may require repeated applications or the use of the higher rate recommended on this product label even under ideal conditions for application  
 \*\* Control of pigweeds in the High Plains area of Texas and Oklahoma may not be satisfactory with this product

**Conditions of Sale and Warranty**  
 The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result, because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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*Roundup is a registered trademark of Monsanto Company.*  
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