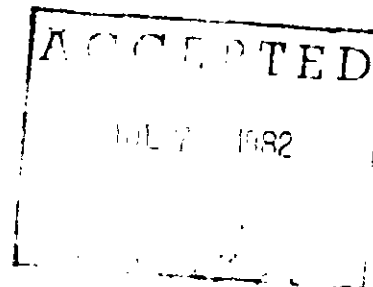


Supplemental Labeling

Basalin[®]

herbicide



FOR DRY AND SUCCULENT BEANS, DRY AND SUCCULENT PEAS, DRY AND SUCCULENT LIMA BEANS AND SUNFLOWER

Read the precautionary statement, environmental hazards, storage and disposal statements, and warranty statement appearing on the container label.

EPA Reg. No. 7969-46

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.

WEEDS CONTROLLED

Grasses

Smooth crabgrass *Digitaria ischaemum*
Large crabgrass *Digitaria sanguinalis*
Barnyardgrass (watergrass) *Echinochloa crus-galli*
Giant foxtail *Setaria faberi*
Green foxtail *Setaria viridis*
Yellow foxtail *Setaria lutescens*
Goosegrass *Eleusine indica*
Japanese millet *Echinochloa crus-galli* var *trumentacea*
Junglerice *Echinochloa colonum*
Fall panicum *Panicum dichotomiflorum*
Broadleaf signalgrass (Brachiaria) *Brachiaria platyphylla*

Broadleaves

Pigweed *Amaranthus* species
Lambsquarters *Chenopodium album*
Common purslane *Portulaca oleracea*
Carpetweed *Mollugo verticillata*

Weeds moderately susceptible

Morningglory *Ipomoea* species
Basalin alone will not control certain weeds such as wild sunflower (*Helianthus* species), hairy nightshade (*Solanum* species), cocklebur (*Xanthium* species).

TOLERANT CROPS

sunflower	field beans
black-eye peas	field peas
cowpeas	garden peas
edible soybeans	green beans
kidney beans	pinto beans
lima beans	wax beans
navy beans	great northern beans
okra	southern peas
lentils	

GENERAL INFORMATION

Mixing and Application. Fill spray tank halfway with water, add Basalin, start agitation and add the rest of the water. Apply Basalin at recommended rates in 10 or more gallons of spray solution per acre as many as 6 to 8 weeks before planting or up to planting time.

For application with fertilizer, refer to sections titled **Basalin Application with Fluid Fertilizers** and **Basalin Application with Dry Bulk Fertilizers**.



BASF Wyandotte Corporation
Parsippany, New Jersey 07054



Incorporation - General - Incorporate Basalin thoroughly, within 6 hours of application, into the top 1 to 2 inches of the final seed bed. Avoid removal of treated soil from the seed bed before or during the planting operation, as this may expose untreated soil and allow weeds to germinate in the drill row.

Flat Culture - Follow general incorporation directions above. Suggested incorporation equipment includes discs (cross-disc), Do-All and power-driven incorporators.

Bedded (Ridged) Culture - Knock off beds to planting height before application of Basalin, then follow general incorporation directions above. Suggested incorporation equipment includes bed conditioners, rolling cultivators and power-driven incorporators. If Basalin is incorporated before bedding, do not furrow out deeper than the depth of incorporation. Furrowing too deep will expose untreated soil and allow weeds to germinate in the bottom of the furrow.

APPLICATION RATES (Broadcast Treatment)

Soil Texture	Application Rates (Pints Per Broadcast Acre)		
	Less than 2% organic matter	2-4% organic matter	4-10% organic matter
Coarse Textured Soils Sand Loamy sand Sandy loam	1 Pint	1 1/2 Pints	2 Pints
Medium Textured Soils Loam Silt loam Silt	1 1/2 Pints	2 Pints	2 1/2 Pints
Fine Textured Soils Clay Sandy clay Silty clay Clay loam Sandy clay loam Silty clay loam	2 Pints	2 1/2 Pints	3 Pints
Muck or Peat	Do Not Use		

For band application use the formula

$$\frac{\text{band width (inches)}}{\text{row width (inches)}} \times \text{broadcast rate} = \text{pints per banded acre}$$

SPECIAL INFORMATION

Basalin Tank Mix With Eptam® Herbicide In Dry Beans

The Basalin tank mix with Eptam effectively controls nightshade (*Solanum* species) in addition to the weeds listed on the Basalin label (see "Weeds Controlled" section). Apply the Basalin/Eptam tank mix from 2 days before planting up to planting. Follow all incorporation directions given in the "General Information" section. Include Basalin in the

tank mix at the recommended label rate according to soil type. Include Eptam in the tank mix at the rate of 2 1/4 pints/acre (broadcast basis). Incorporate immediately after application.

Do not use tank mix on Adzuki beans, cowpeas (black-eye peas, black-eye beans), soybeans, lima beans, or other flat-podded beans except Romano. Under abnormal weather conditions, stunting may occur on Gratiot, Michilite, Sanilac, Seafarer, and Seaway varieties.

Observe all cautions and limitations on labeling of both products used in this mixture.

Basalin Followed By Basagran® Herbicide - Beans and Peas Only

For the control of certain broadleaved weeds not susceptible to Basalin but controlled by a post-emergence application of Basagran, use 0.75 to 2.0 quarts per acre of Basagran according to the Directions For Use appearing on the Basagran label. Such weeds include cocklebur, hairy nightshade, velvetleaf, Pennsylvania smartweed, jimsonweed, yellow nutsedge, Canada thistle, and others listed on Basagran label.

Basalin Application with Fluid Fertilizers

General

Basalin can be mixed with most fluid fertilizer materials. Combinations of Basalin and fertilizer have been shown to give grass and broadleaf weed control equal to Basalin applied with water.

All label recommendations regarding rates of application, type of incorporation, crops approved for use and special mixing instructions must be followed.

Because fluid fertilizers differ in pH, free ammonia content, density, salt concentration, and percentage of water, a compatibility test (given below) is recommended prior to mixing in the application equipment.

All regulations, either state or federal, relating to the application of fluid fertilizers and this product must be strictly followed.

Compatibility Test

Basalin may not combine properly with all fluid fertilizer mixtures. The following compatibility test should always be performed prior to full-scale mixing.

- 1 Pour 1 pint of the fluid fertilizer to be used into a quart jar.
- 2 Add 2 teaspoonfuls of Basalin
- 3 Close the jar and shake well.
- 4 Watch the mixture for several seconds after shaking and check again after 30 minutes.
- 5 If the mixture does not show signs of separating, the combination may be used. If the mixture foams excessively, gels, separates or gets very thick, do not combine for field application.

6. Compatibility may be improved by the use of a compatibility agent. Some suggested compatibility agents are Kalo Laboratories' Complex, Hopkins Chemicals' Unite and Wilco Chemicals' Sponto 168D. These agents are all used in the same manner. Follow the previously outlined test procedure and add 1/3 teaspoon of the compatibility agent between Steps 1 and 2. (The compatibility agent must be added to the fertilizer before adding the Basalin.)
7. If the mixture does not separate, gel, foam or get very thick, it may be used for field application.

Mixing

If a compatibility agent is needed, follow manufacturer's recommended use rates and mixing sequence. If compatibility is *not* a problem (i.e., a compatibility agent is not needed), Basalin may be added directly into the fluid fertilizer and mixed thoroughly. Continued and complete agitation is necessary throughout mixing and application.

Application

Apply the Basalin/fertilizer mixture with a properly calibrated applicator. Ensure that the material is applied uniformly to the soil surface.

Incorporation

Refer to General Information section for proper incorporation procedure.

Basalin Application With Dry Bulk Fertilizers

General

Basalin can be used to impregnate or coat most dry bulk fertilizer materials. Combinations of Basalin and fertilizer have been shown to give grass and broadleaf weed control equal to Basalin applied with water.

All label recommendations regarding rates of application, type of incorporation, crops approved for

use and special mixing instructions must be followed. All regulations, either state or federal, relating to the application of dry fertilizers and this product must be strictly followed.

Limitations

Dry fertilizer impregnated with the appropriate rate of Basalin is generally applied at rates ranging from 200 pounds per acre to 450 pounds per acre (see following table for recommended rates). Any commonly used dry fertilizers can be impregnated with Basalin except straight coated ammonium nitrate and straight limestone. These materials will not absorb Basalin. Fertilizer blends containing small amounts of these materials can be used.

Impregnation

Use any closed drum, belt, ribbon or other commonly used dry bulk fertilizer blender. Place the nozzles used to spray Basalin in such a manner to provide uniform spray coverage.

Rates

Refer to the Application Rates (broadcast treatment) section to determine the proper rate of Basalin per acre depending on soil texture and organic matter content. Then refer to the following table to determine the proper amount of Basalin to be impregnated on one ton of dry bulk fertilizer based on the rate of fertilizer and the rate of Basalin to be applied per acre.

Application

Apply the Basalin/fertilizer mixture with a properly calibrated applicator. Ensure that the material is applied uniformly to the soil surface.

Incorporation

Refer to General Information section for proper incorporation procedure.

TABLE FOR IMPREGNATING FERTILIZER WITH BASALIN
Pints of Basalin Added to a Ton of Fertilizer

Basalin Rate Per Acre	FERTILIZER RATE PER ACRE					
	200 lbs.	250 lbs.	300 lbs.	350 lbs.	400 lbs.	450 lbs.
1 pint	10 pts. per ton	8 pts. per ton	6 2/3 pts per ton	5 1/2 pts per ton	5 pts per ton	4 pts per ton
1 1/2 pints	15 pts. per ton	12 pts. per ton	10 pts per ton	8 1/2 pts per ton	7 pts per ton	6 1/2 pts per ton
2 pints	20 pts. per ton	16 pts. per ton	13 1/3 pts per ton	11 pts per ton	10 pts per ton	9 pts per ton
2 1/2 pints	25 pts. per ton	20 pts. per ton	17 pts per ton	14 1/3 pts per ton	12 pts per ton	11 pts per ton
3 pints	30 pts. per ton	24 pts. per ton	20 pts per ton	17 pts per ton	15 pts per ton	13 pts per ton
4 pints	40 pts. per ton	32 pts. per ton	27 pts per ton	23 pts per ton	20 pts per ton	18 pts per ton

To calculate rates not included in the table use the following equation

$$\frac{2000 \text{ lb}}{\text{Fertilizer Rate (lb A)}} \times \text{Basalin Rate (pints A)} = \text{Pints of Basalin Added to a Ton of Fertilizer}$$

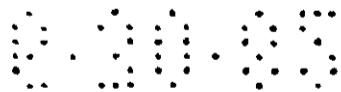
USE RESTRICTIONS AND PRECAUTIONS

Cover crops may be rotated if plowed under and not grazed. West of the Rocky Mountains do not plant sugar beets, ryegrass, small grains, or sorghum on Basalin-treated land for one year following treatment as earlier planting may result in crop injury. Other crops may be planted after the normal growth and harvest period of beans, peas or sunflower. This product is toxic to fish. Keep out of lakes.

streams and ponds. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of waste. Dispose of empty containers and wastes promptly by burying in a safe place away from water supplies. Avoid contamination of feed and foodstuffs. Apply only as specified on this label.

Do not feed or graze sunflower forage or fodder to livestock.

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Agricultural Chemicals