

ACCEPTED

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UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 264-138

AMIBEN

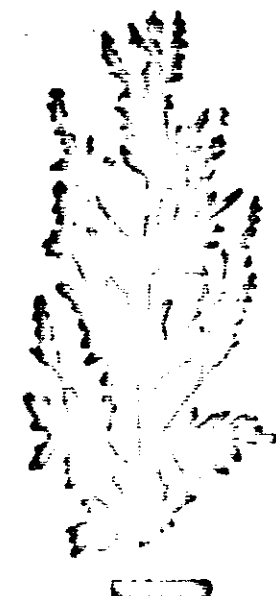
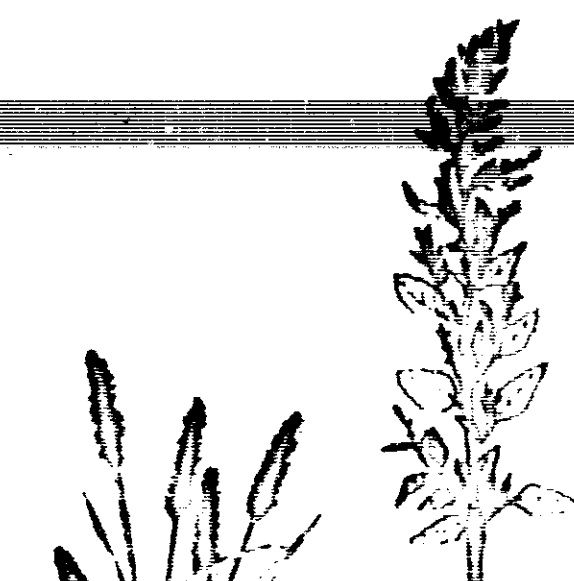
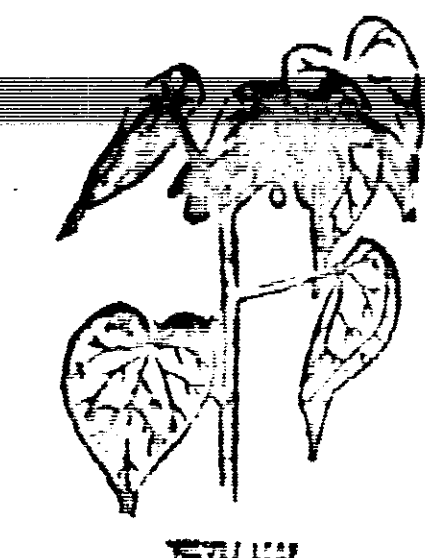
PREEMERGENCE HERBICIDE

Controls Annual Broadleaf Weeds
and Annual Grasses in Soybeans and
Other Crops

CAUTION: Keep out of reach of children. See other cautions on
back panel.

ACTIVE INGREDIENTS:
Ammonium salt of chloramben (3-amino-2,5-dichlorobenzole acid)* ... 21.1%
Ammonium salts of related aminodichlorobenzole acids* 2.3%
INERT INGREDIENTS: 76.6%

*Total aminodichlorobenzole acids 21.6% by weight or 2 pounds per gallon.
Chloramben equivalent 10.5% by weight or 1.8 pounds per gallon.
Related aminodichlorobenzole acid equivalent to 2.1% by weight or 0.2 pounds per gallon.



AMCHEM PRODUCTS, INC.
First Name in Herbicide Research
AMBLER, PA. • Clinton, Iowa • St. Joseph, Mo. • Fremont, Calif.
EPA Reg. No. 264-138

Apply 1 gallon (2 pounds acid equivalent) of AMIBEN Preemergence Herbicide per acre in at least 12 gallons of water. For best results, plant and treat the same time.

Plant corn at least 2 to 2½ inches deep. Do not use AMIBEN on corn grown in light textured sandy soils.

AMIBEN + ATRAZINE 80W TANK MIXTURE

Application: Apply a tank mixture of AMIBEN + ATRAZINE 80W during or immediately after planting. A light incorporation with a rotary hoe or similar equipment may be desirable, especially if there is no rainfall soon after application. Do not use AMIBEN + ATRAZINE for weed control in crops other than corn. Observe all directions on the ATRAZINE label, especially those relating to crop rotation.

Use only in the states of Missouri, Minnesota, Iowa, Ohio, Illinois, Kansas, Nebraska and Indiana.

Amounts to Use: For silty loam soils apply 2.0 quarts of AMIBEN and 1.25 pounds of ATRAZINE. For heavier soils, apply 2 quarts of AMIBEN and 2.5 pounds of ATRAZINE or 3 quarts of AMIBEN and 1.87 pounds of ATRAZINE (registered trademark of Ciba-Geigy Corp.) This mixture is not recommended for use on very light soils such as sands, or sandy loams.

SWEET POTATOES

Apply AMIBEN Preemergence Herbicide at the rate of 2 gallons (4 pounds acid equivalent) per broadcast acre at planting time. For the first two cultivations after treatment, set sweeps so that soil in treated bands is not disturbed. For the final cultivation, set sweeps closer to pull soil as high as possible over the sweet potato row and treated band. For best results, plant and treat at the same time.

LIMA BEANS—Overall Treatment

Apply 1 to 2 gallons of AMIBEN per broadcast acre (2 to 4 pounds acid equivalent) in at least 10 to 15 gallons of water.

Treat at planting time or as soon after planting as possible, before weeds and lima beans emerge.

When band spraying, reduce amount of AMIBEN applied per acre in proportion to area actually sprayed. Mount band sprayer on plants so that spraying and seeding are carried out in the same operation. Make final adjustments on proper nozzle height when actually spraying in the field.

BAND TREATMENTS

Row Width	Band Width	Pints AMIBEN Herbicide Per Banded Acre		
		# 2 lb A	# 2½ lb A	# 3 lb A
24 inch	10 inch	3.8	4.8	5.8
28 inch	12 inch	3.4	4.3	5.2
	14 inch	4.0	5.0	6.0
30 inch	12 inch	3.2	4.0	4.8
	14 inch	3.7	4.6	5.5
36 inch	12 inch	2.7	3.3	4.0
	14 inch	3.2	3.9	4.7
28 inch	12 inch	2.6	3.2	3.8
	14 inch	3.0	3.7	4.4
40 inch	12 inch	2.4	2.9	3.5
	14 inch	2.8	3.5	4.2

NOTE: Use table for 2½ lb A rate of application for all other soil types.

SQUASH AND PUMPKIN—Band Treatment

Treat at planting time or soon after planting as possible, before weeds and crops emerge. Mount the band sprayer on the planter so that spraying and seeding are carried out in the same operation.

Row Width	Band Width	Pints AMIBEN Per Banded Acre	
		Lighter Soils	Heavier or High Organic Soils
72 inch	4 inch	2.4	3.1
	10 inch	3.4	4.5
76 inch	10 inch	2.2	3.0
	14 inch	3.2	4.2
80 inch	14 inch	2.1	2.8
	20 inch	3.0	4.0

After squash and pumpkins emerge, use normal cultivation to control weeds growing in the untreated strips between the rows.

SEEDLING ASPARAGUS—Overall Treatment

Apply 1½ gallons of AMIBEN (3 pounds acid equivalent) in a minimum of 10 to 15 gallons of water as soon as possible after asparagus seeds are planted and before weeds emerge. Application with about 1 inch of soil follow-up by applying AMIBEN (3 pounds acid equivalent) to produce maximum weed control.

GENERAL INFORMATION

AMIBEN™ Preemergence Herbicide has many desirable features:

- Outstanding control of annual broadleaf weeds and annual grasses.
- Excellent crop tolerance.
- No harmful residue in soil—no change in normal crop rotations. Completely water soluble... easy to mix and handle.
- One of the most consistent preemergence weed killers available.
- Tested and recommended by state colleges and extension agents.
- Proven effective on millions of acres of soybeans.

DIRECTIONS

SOYBEANS, DRY BEANS (including white, navy, kidney, pinto, limabeans) PEANUTS (Oklahoma, North Texas) SUNFLOWERS.

Plant and treat in the same operation. Apply at the rate of 1 to 1½ gallon AMIBEN Preemergence Herbicide (2 to 3 pounds acid equivalent) per broadcast acre. The higher rate should be used on clay loams, clay or high organic (3 to 8%) mineral soils. Use enough water for good spray coverage.

When band spraying, mount the spray nozzle on the packer or row wheel so that planting and spraying are done in the same operation. Proper calibration and maintenance of desired nozzle height above the ground are very important. Weeds growing in the middles between the treated rows should be cultivated as soon as necessary. Use care while cultivating to avoid throwing fresh soil on treated bands.

If sufficient rain does not fall within 7 days after spraying AMIBEN, but there is enough soil moisture to germinate weeds and grasses, a light cultivation with a rotary hoe or similar tool will up-root these small broadleaf weeds and grasses. The shallow mixing of AMIBEN in the surface soil will not interfere with the action of AMIBEN when rains come.

If heavy rain packs the soil surface, rotary hoe in the field to aid bean emergence. Do not disrupt the chemical band with deep cultivation.

For dry beans growing in low rainfall areas, incorporate AMIBEN into the top 1 to 2 inches of soil with a disk or harrow. Plant beans immediately after incorporation.

PROGRAMMED WEED CONTROL FOR SOYBEANS Amiben applied over preplant Treflan

Amiben may be applied in a band over the soybean row at planting time in fields where Treflan has been applied as a preplant soil incorporated herbicide. Amiben may be applied the same day as Treflan up to a maximum of one week after Treflan application. Apply Amiben on a band at a rate equivalent to 1 gallon (2.0 pounds acid equivalent) per broadcast acre. Refer to Treflan label for exact directions for rate of application, method of incorporation and timing for your area. Observe all directions and cautions on the Amiben and Treflan labels.

AMIBEN AND LOROX 50W TANK MIXTURE FOR SOYBEANS

A tank mixture of Amiben and Lorox 50W will control annual weeds such as barnyardgrass, carpetweed, crabgrass, fall panicum, foxtail, lambsquarters, pigweed, ragweed and smartweed. Velvetleaf, and cocklebur often germinate in soil at depths below the chemical penetration. Even though populations of these weeds are reduced under normal rainfall conditions, weed seeds which germinate outside the chemical zone are not affected.

Treatments should be made at planting time as a simple preemergence application using at least 25 gallons of water per acre. Plant seeds at least 1.75 inches deep and do not treat if beans have begun to emerge.

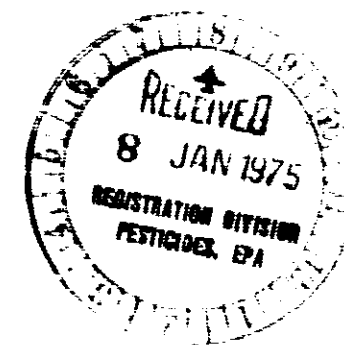
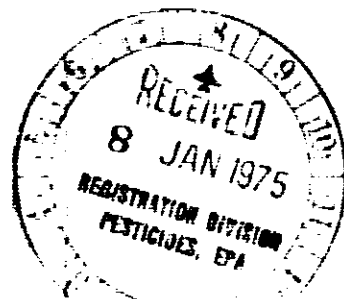
Make all broadcast treatments according to the following table:

Soil Texture	Low Organic Matter (1 to 3%)		Moderate Organic Matter (3 to 6%)	
	Lorox (Lbs.)	Amiben (Gals.)	Lorox (Lbs.)	Amiben (Gals.)
Sandy Loam	1 to 1½	1	1 to 1½	1
Silt Loam	1 to 1½	1	1 to 1½	1
Clay Loam	1 to 1½	1	1 to 1½	1

For band treatments, use proportionately less Amiben and Lorox. (Do not apply a this tank mixture as a preplant or band treatment.) Always apply the complete statements and all other information on each product label.

CORN

Use only on heavy soils in Missouri, Minnesota, Iowa, Ohio, Illinois, Kansas, Nebraska and Indiana. If rains and extended cold weather occur after planting, corn injury may result.



HOW AMIBEN™ WORKS

AMIBEN™ Preemergence Herbicide is most effective applied at planting time, when spraying and planting are done in the same operation. Rain or irrigation water moves AMIBEN into the soil where weed seeds sprout.

AMIBEN remains active and effective for several weeks—long enough generally for crops to fill middles and shade out late season weed growth.

AMIBEN controls the following important Annual Grass and Broadleaf Weeds:

<u>barrygrass</u> , water grass	<i>Echinochloa crus-galli</i>
<u>burweed</u>	<i>Mollugo verticillata</i>
<u>cheesehead</u> , annual	<i>Stellaria media</i>
<u>cocklebur</u> , <u>annual</u>	<i>Sisyrinchia ovalata</i>
<u>crabgrass</u> , hairy	<i>Digitaria sanguinalis</i>
<u>crabgrass</u> , smooth	<i>Digitaria ischaemum</i>
<u>fall panicgrass</u>	<i>Panicum dichotomiflorum</i>
<u>foxtail</u> , giant	<i>Setaria faberii</i>
<u>foxtail</u> , green	<i>Setaria viridis</i>
<u>foxtail</u> , yellow	<i>Setaria glauca</i>
<u>goosegrass</u> (silver crabgrass)	<i>Eleusine indica</i>
<u>johnsongrass</u> , seedling	<i>Sorghum halepense</i>
<u>kochia</u>	<i>Kochia scoparia</i>
<u>lambquarters</u> , common	<i>Chenopodium album</i>
<u>mustard</u> , wild	<i>Brassica kaber</i>
<u>nightshade</u> , black	<i>Solanum nigrum</i>
<u>pigweeds</u>	<i>Amaranthus sp.</i>
<u>prickly sida</u> (teaweed)	<i>Sida spinosa</i>
<u>purslane</u> (pusley)	<i>Portulaca oleracea</i>
<u>ragweed</u> , common	<i>Ambrosia artemisiifolia</i>
<u>Russian thistle</u>	<i>Salsola kali</i>
<u>smartweed</u> , Pennsylvania	<i>Polygonum pennsylvanicum</i>
<u>spurge</u> , annual	<i>Euphorbia maculata</i>
<u>stinkgrass</u>	<i>Eragrostis ciliaris</i>
<u>velvetleaf</u> (buttonweed)	<i>Abutilon theophrasti</i>

Band applications of AMIBEN may be made for broadleaf weed control over the top of preplant soil incorporated grass killers.

Deep germinating annual weeds and sprouts from established perennial weeds are not controlled.

For control of cocklebur and suppression of annual morningglory, follow AMIBEN treatment with an early, directed postemergence application of BUTYRAC 175 on soybeans.

Sprouts coming from roots of established perennial weeds such as horse-nettie, hodge, bindweed, nutsedge (nutgrass), milkweed, dogbane, quackgrass and johnsongrass are not controlled by any selective, surface preemergence chemical treatment including AMIBEN.

CAUTION

Harmful if swallowed. Avoid contact with skin, eyes or clothing.

Clean sprayers thoroughly before using to apply AMIBEN. To clean sprayer after using AMIBEN, rinse all parts of sprayer with water several times.

Avoid spray drift to adjacent crops as injury may result. Coarse sprays are less likely to drift. Do not store near fertilizers, seeds, insecticides, or fungicides.

Do not graze treated fields of sunflowers or use these plants as livestock feeds. Do not contaminate water used for irrigation or domestic purposes by cleaning of equipment, or disposal of waste.

Do not reuse empty container. Wash thoroughly with water and detergent. Dispose of rinsings and containers in a safe place not accessible to children, wildlife or livestock.

Do not use this product for purposes other than those recommended on this label.

WARRANTY

Amchem warrants that composition of this product conforms to the chemical description given in the ingredient statement and the product is suited for the purposes described when used according to directions. Because of the broad range of conditions which may be encountered with the use of the product, it is impossible to eliminate all risks, even though label directions are followed. Amchem therefore makes no other express or implied warranty, and no agent of Amchem is authorized to do so. Buyer agrees, in purchasing this product, to assume the risks and in the event of damages arising from a breach of the warranty to accept refund of the purchase price from the agent of Amchem responsible.

KEEP FROM FREEZING

If exposed to prolonged cold temperatures, place in warm storage place for 24 hours for several hours. Apply before using by inverting the container several times.

