



CHLORAMBEN HERBICIDE

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

ACTIVE INGREDIENTS:

Ammonium salt of chloramben (3-amino-2,5-dichlorobenzoic acid)* 21.1%
 Ammonium salts of related aminodichlorobenzoic acids* 2.3%
INERT INGREDIENTS 76.6%

*Total aminodichlorobenzoic acids 21.6% by weight or 2 pounds per gallon.
 Chloramben equivalent 19.5% by weight or 1.8 pounds per gallon.
 Related aminodichlorobenzoic acid equivalents 2.1% by weight or 0.2 pounds per gallon.

E.P.A. Reg. No. 264-138AA E.P.A. Est. No. 264-1A-01

Keep out of reach of children.

CAUTION

PRECAUTIONARY STATEMENTS:

See inside booklet.

In case of emergency telephone collect (24 hours a day) in U.S.A. 304-744-3487

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
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 Research Triangle Park, N.C. 27709
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**AMIBEN®
 CHLORAMBEN HERBICIDE**

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

Outstanding control of annual broadleaf weeds and grasses.

Excellent crop tolerance.

No harmful residue in soil - no changes in normal crop rotations. Completely water soluble. . . easy to mix and handle.

One of the most consistent preemergence herbicides available

Tested and recommended by state colleges and extension agents

Proven effective on millions of acres of soybeans

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GENERAL INFORMATION

AMIBEN® herbicide is effective applied preplant incorporated, preemergence and early postemergence. When used preemergence it is most effective applied at planting time, when spraying and planting are done in the same operation. Rain, irrigation, water, or mechanical incorporation moves AMIBEN® into the soil where weed seeds sprout.

Uniform spray application over the soil surface is important. About 10-20 gallons of water or sprayable fluid fertilizer for ground and about 3-5 gallons for air application is enough spray solution for good coverage. See specific sections of this label for any special spray volume requirements.

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

AMIBEN® controls the following important Annual Grass and Broadleaf Weeds:

barnyardgrass (water grass)	Echinochloa crusgali
carpetweed	Mullugo verticillata
chickweed, annual	Stellaria media
coffeeweed (sesbania)	Sesbania exaltata
crabgrass, hairy (large)	Digitaria sanguinalis
crabgrass, smooth	Digitaria ischaemum
fall panicgrass	Panicum dichotomiflorum
Florida beggarweed	Desmodium tortuosum
foxtail, giant	Setaria faberii
foxtail, green	Setaria viridis
foxtail, yellow	Setaria glauca
goosegrass (silver crabgrass)	Eleusine indica
johnsongrass-seedling	Sorghum halepense
kochia	Kochia scoparia
lambsquarters, common	Chenopodium album
mustard, wild	Brassica kaber
nighthshade, black	Solanum nigrum
pigweeds	Amaranthus sp

prickly sida (leafweed)	Sida spinosa
purslane (pusley)	Portulaca oleracea
ragweed, common	Ambrosia artemisiifolia
Russian thistle	Salsola kali
smartweed, Pennsylvania	Polygonum pennsylvanicum
spurge, annual	Euphorbia maculata
stinkgrass	Eragrostis ciliaris
velvetleaf (buttonweed)	Abutilon theophrasti
Vernice mallow	Hibiscus trionum
wild proso millet	Panicum miliaceum

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

MIXING INSTRUCTIONS FOR USE OF AMIBEN® WITH SPRAYABLE FLUID FERTILIZERS.

In most cases, AMIBEN® chloramben herbicide can be mixed and applied with liquid nitrogen, blended clear liquids, or suspension type fertilizers. Do not mix with dry fertilizers.

Be sure the spray tank is clean and uncorroded. Add 1/2 to 3/4 of the fertilizer or fertilizer water blend. Begin moderate agitation. Add AMIBEN® chloramben herbicide. Maintain moderate agitation and add the remainder of fertilizer, fertilizer/water blend, or water. After the tank is full, no further agitation is necessary.

The compatibility of tank mixtures of AMIBEN® with other herbicides in combination with liquid fertilizers should be evaluated on a small scale before mixing spray tank quantities. Do not use fertilizer mixes with combinations of AMIBEN® and Premerge 3.

DIRECTIONS FOR USE ON SOYBEANS

AMIBEN® CHLORAMBEN HERBICIDE PREEMERGENCE OR PREPLANT INCORPORATED

AMIBEN® herbicide may be used as a preemergence or preplant incorporated herbicide. AMIBEN® may be applied and incorporated at planting or several days prior to planting. Uneven spray application or improper soil incorporation of AMIBEN® can produce erratic weed control. Incorporate chemical in the top 0 to 2 inch level as most weeds sprout in this zone. You may incorporate with any of the following equipment. (1) Tandem disc may be used to prepare seed bed and incorporate at the same time. Operate the disc at 4 to 6 mph with a 3 to 5 inch cut. Disc again at a different direction (angle) any time before planting. (2) Field cultivators operating at 5 to 6 mph should be set to cut 3 to 4 inches deep. Use twice at different angles across the fields. (3) Rolling cultivators or bed conditioners (Do-All) should be set to cut 2 to 4 inches deep and operate at 6 to 8 mph or 4 to 6 mph respectively. Run equipment twice at different directions (angles) across the field. Use only on coarse, light and medium textured soils. (4) Mulch treads or similar disc type equipment should be set to cut 3 to 4 inches. Operate at two different directions at 5 to 6 mph. (5) Power driven tillers, hoes or cultivators should be set to cut 2 to 3 inches deep. Space rotors to provide a clean sweep of the soil surface. Operate to maintain complete soil mixing. PTO equipment speed should not exceed 4 mph.

In coarse textured soils heavy rains on incorporated AMIBEN® herbicide may move it below the weed seed germination zone and produce erratic weed control.

Plant and treat in the same operation. Apply at the rate of 4 to 6 quarts AMIBEN® chloramben herbicide per broadcast acre. The higher rate should be used on clay loams, clay or high

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organic (3 to 8 percent) 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® herbicide, 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.

Do not apply more than 6 quarts per acre of AMIBEN® alone or in combination as a post-emergence treatment. If a preemergence or preplant soil incorporated application of AMIBEN® is made, do not apply more than a total of 12 quarts of AMIBEN® per acre per growing season (6 quarts preemergence plus 6 quarts postemergence).

AMIBEN® CHLORAMBEN HERBICIDE POSTEMERGENCE TO SOYBEANS

AMIBEN® herbicide may be applied when soybeans are in the cracking to second trifoliate stage of growth at the rate of 5 to 6 quarts AMIBEN® herbicide per acre. Use the higher rate on fine textured soils or when heavy weed populations are expected.

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AMIBEN® applied postemergence will control or suppress Pennsylvania smartweed, velvetleaf, pigweed and nightshade when applied when these species are 1 to 4 inches tall. For best control of these weeds and for control of other grasses and broadleaves susceptible to AMIBEN® herbicide, remove the weeds which have germinated. To remove these germinated weeds, use shallow cultivation with a tool such as a rotary hoe before or after AMIBEN® herbicide has been applied. Avoid ridging the soil if a cultivator is used after AMIBEN® has been applied.

Caution: Do not use soybean straw or green fodder which has been treated postemergence with AMIBEN® for livestock feed. Do not apply later than 33 days after planting.

Do not apply more than 6 quarts per acre of AMIBEN® alone or in combination as a postemergence treatment. If a preemergence or preplant soil incorporated application of AMIBEN® is made, do not apply more than a total of 12 quarts of AMIBEN® per acre per growing season (6 quarts preemergence plus 6 quarts postemergence).

AMIBEN® CHLORAMBEN HERBICIDE AND "LASSO" FOR SOYBEANS

A tank mixture of AMIBEN® herbicide and Lasso may be applied as a preplant soil incorporated herbicide treatment. AMIBEN® herbicide may be applied as a preemergence broadcast tank mix treatment with Lasso during planting or after planting before weeds and soybeans emerge. Following a preplant soil incorporated application of Lasso, AMIBEN® herbicide may be applied preemergence during planting or after planting before weeds and soybeans emerge.

A tank mixture of the sequential treatment of AMIBEN® herbicide and Lasso will control the following annual weeds: barnyardgrass,

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crabgrass, foxtail (green, yellow, plant), fall panicum, lambsquarters, pigweed, smartweed, ragweed, black nightshade, velvetleaf and wild mustard, as well as all other weeds listed on the AMIBEN® and Lasso labels.

For uniform application of the tank mixture of AMIBEN® and Lasso use 10 to 20 gallons of water per acre for ground and a minimum of 3 to 5 gallons water per acre for air. Prepare the spray mixture by first filling the spray tank with 1/2 to 2/3 of the water. Keep the agitation system running, and then slowly add the recommended rate of Lasso indicated below. Next, add the recommended rate of AMIBEN® indicated below and finally dilute to the desired volume by adding the remaining water to the spray tank. DO NOT mix AMIBEN® herbicide and Lasso concentrates before the addition of water as an emulsion will not be formed.

Apply AMIBEN® and Lasso preplant incorporated or preemergence using the appropriate rates from the table below. For preplant incorporated treatments apply the tank mixture to the soil and incorporate into the top two inches of soil just before planting using a finishing disc, harrow, rolling cultivator or similar implement capable of providing uniform two inch incorporation. For preemergence treatments, apply the tank mixture during planting (behind the planter) or after planting before weeds or soybeans emerge. For sequential applications apply Lasso alone preplant incorporated as specified above for the tank mixture. Follow with a preemergence application of AMIBEN® herbicide during planting (behind the planter) or after planting before weeds or soybeans emerge.

With preemergence treatments rain is necessary to move the chemicals into the soil and make them available to control germinating weed seeds. If no rainfall occurs within 7 days following application, a shallow incorporation no deeper than 2 inches is recommended. High intensity or

excessive rainfall after application may reduce control.

Make all broadcast treatments according to the following table:

Soil Texture	AMIBEN® Qts/A	Lasso Qts/A
Loamy sand, sandy loam	4	1 1/2
Loam, silt loam, silt	4 to 5	1 1/2 to 2
Silty clay loam, silty clay, sandy clay, clay loam, clay	4 to 6	2 to 2 1/2

Use the higher rate of AMIBEN® when heavy populations of black nightshade, velvetleaf, mustard or smartweed are expected. Use the higher rate of Lasso when treatment is incorporated or when high populations of Black nightshade, witchgrass or foxtail are expected.

For band treatments divide the band width by the row width and multiply by the appropriate rates indicated above to determine the amount of chemical to use per acre.

Read thoroughly the cautionary statements and all other information appearing on labels for both Lasso and AMIBEN®.

AMIBEN® CHLORAMBEN HERBICIDE TANK MIXTURE WITH "LASSO" AND "SENCOR" OR "LEXONE" FOR SOYBEANS

GENERAL INFORMATION

A tank mixture of AMIBEN® chloramben herbicide plus Lasso plus Sencor or Lexone when applied in accordance with the following directions, either preplant soil incorporated or pre-emergence, effectively controls most weeds listed on the current AMIBEN®, Lasso, and Lexone WPI4UDF or Sencor WPI4UDF labels.

DIRECTIONS FOR USE

The soil should be well prepared and free of any existing weeds, trash, or clods before application. The mixture should be applied in from 10 to 20 gallons of water per acre using any properly calibrated low pressure sprayer equipped with herbicide tips and in-line strained screens no finer than 50 mesh.

Preplant Soil Incorporated Use:

Incorporation should place the AMIBEN® chloramben herbicide plus Lasso plus Sencor or Lexone into the top 1 to 3 inches of the final seedbed. Use machinery that mixes AMIBEN® chloramben herbicide plus Lasso plus Sencor or Lexone thoroughly with the soil. Incorporation with implements set to cut less than 2 inches deep may result in erratic weed control.

Recommended Equipment Includes:

1. Two passes with a disc set to cut 4 inches deep at 4 to 6 mph with the second pass running at an angle to the first. A tandem or double-disc operated one time does not provide adequate incorporation.
2. One pass with a field cultivator set to cut 3 to 4 inches deep and operated at 6 mph or more. The field cultivator should have 3 to 4 rows of sweeps, spaced at intervals of 7 inches or less and staggered so that no soil is left unturned. Chisel points should not be used. Do not set cultivator deeper than 4 inches. The field cultivator used alone or in combination with the double-disc will provide effective incorporation. If used in combination with a double-disc the spray boom should be mounted behind the disc blades but ahead of the cultivator sweeps.
3. One pass with a rolling cultivator set to cut 2 to 3 inches deep and operated at 6 to 8 mph.

Rolling cultivators are adequate for use on coarse and medium textured soils only.

- One pass with a mulch treader or other similar disc type implement set to cut 2 to 3 inches deep and operated at 5 to 8 mph.
- PTO-driven equipment (tillers, cultivators, hoes) set to cut 2 to 3 inches deep with rotors spaced to provide a clean sweep of the soil operated one time. PTO-driven equipment should not be operated at a speed greater than 4 mph.

Apply the tank mixture using the table below to determine the proper rate of each chemical for your soil type.

Preemergence Use:

The tank mixture of AMIBEN® chloramben herbicide plus Lasso plus Lexone or Sencor may be applied as a preemergence broadcast treatment at time of planting. Use the table below to determine the proper rate of each chemical for your soil type.

Make all broadcast treatments according to the following table:

SOIL TEXTURE	AMIBEN® QTZ/A	LASSO 4E QTZ/A	SENCOR 50WP OR LEXONE WP		SENCOR 4 OR LEXONE 4L		SENCOR DF OR LEXONE DF	
			LBS/A	PZS/A	LBS/A	PZS/A	LBS/A	PZS/A
Coarse (heavy sand, sandy loam)	3 to 4	1 1/2 to 2	1/2	1/2	1/2	1/2	1/2	1/2
Medium (silt, silt loam, silty)	4 to 5	2 to 2 1/2	1/2 to 3/4	1/2 to 3/4	1/2 to 3/4	1/2 to 3/4	1/2 to 1/2	1/2 to 1/2
Fine (silty clay loam, silty clay, sandy clay, heavy clay, loam, silty clay loam)	5 to 6	2 1/2 to 3	3/4 to 1	3/4 to 1	3/4 to 1	3/4 to 1	1/2 to 2/3	1/2 to 2/3

On Clarion Webster soils in Minnesota and Iowa or on similar alkaline (calcareous) soils a pH of 7.5 or above, apply Sencor WP or Lexone WP at 1/2 pound/A, Sencor 4 or Lexone 4L at 1/2 pint/A, or Lexone DF or Sencor DF at 1/3 pound/A on medium soils. On fine soils use 1/2 to 3/4 pound/A Sencor WP or Lexone WP, 1/2 to 3/4 pint Sencor 4 or Lexone 4L or 1/3 to 1/2 pound/A Lexone DF or Sencor DF. Use the higher rate only where soil pH is less than 7.5 and where pressure is heavy.

Use the higher rate of AMIBEN® where heavy stands of Pennsylvania smartweed, velvetleaf, ragweed, wild mustard, or black nightshade are expected. Use the higher rate of Lasso when treatments are incorporated or where heavy stands of black nightshade, foxtail, witchgrass, panicum, or yellow nutsedge are expected. Use the high rate of Sencor or Lexone where heavy stands of Florida pusley, sesbania, velvetleaf or Jimsonweed are expected except when soil pH is over 7.5.

MIXING INSTRUCTIONS

To prepare the tank mixture of AMIBEN® chloramben herbicide plus Lasso plus Lexone or Sencor, first fill the spray tank 1/4 to 1/2 full with clean water. Start agitation and add Sencor or Lexone and mix thoroughly. Continue agitation while adding clean water and when spray tank is 3/4 full, add Lasso then AMIBEN® chloramben herbicide and finally, the remaining required water. Agitate continuously during filling and throughout the spraying operation. Agitation should sweep bottom contents of the tank up into the main body of the spray mixture for thorough mixing and uniform suspension. Apply entire contents of spray tank within 4 hours of initial mixing.

CULTIVATION AFTER PLANTING

Soil treated with AMIBEN® chloramben herbicide plus Lasso plus Sencor or Lexone may be

shallow-cultivated, rotary-hoed, or hand-hoed without reducing the weed control activity of the tank mixture. With preplant soil incorporated treatments, do not cultivate deeper than the AMIBEN® plus Lasso plus Sencor or Lexone treated layer of soil since this may bring untreated soil to the surface and poor weed control may result. If sufficient rain does not fall within 7 days after preemergence applications of the tank mixture, but there is enough soil moisture to germinate weeds and grasses, a light cultivation with a rotary hoe or similar tool will uproot these small broadleaf weeds and grasses.

SPECIAL PRECAUTIONS

Applied according to directions and under normal growing conditions, the tank mix of AMIBEN® chloramben herbicide plus Lasso plus Sencor or Lexone will not harm the treated crop. Over-application may result in crop injury. Uneven application or improper soil incorporation of AMIBEN® plus Lasso plus Sencor or Lexone can result in erratic weed control or crop injury. Seeding disease, cold weather, deep planting, excessive moisture, soil pH over 7.5, high salt concentration, or drought may weaken crop seedlings and increase the possibility of damage from the tank mixtures. Under these conditions, delayed crop development or reduced yields may result.

Do not use on sand or on medium to fine soils with less than 1% organic matter. This mixture applied preplant incorporated may cause slight soybean injury early, but the soybeans should recover and the subsequent growth or yields should not be affected.

Do not use the foliage from soybeans treated with the tank mix of AMIBEN® and Lasso and Sencor or AMIBEN® and Lasso and Lexone for feed or forage.

Caution: Observe all cautions and limitations on labeling of all products used in mixtures.

AMIBEN® CHLORAMBEN HERBICIDE AND "DUAL" FOR SOYBEANS

A tank mixture of AMIBEN® herbicide and Dual 8E may be applied as a preplant soil incorporated herbicide treatment. AMIBEN® herbicide may be applied as a preemergence broadcast tank mix treatment with Dual 8E during planting or after planting before weeds and soybeans emerge. Following a preplant soil incorporated application of Dual 8E, AMIBEN® herbicide may be applied preemergence during planting or after planting before weeds and soybeans emerge.

When applied according to label directions, tank mixtures of AMIBEN® herbicide and Dual will control all weeds controlled by AMIBEN® alone or by Dual alone including fall panicum, fox-tail millet, red rice, signalgrass, witchgrass, yellow nutsedge and Florida pusley. Refer to the general information section of this label and the Dual label for additional weeds controlled by AMIBEN® and Dual 8E.

For uniform application of the tank mixture of AMIBEN® and Dual, use 10 to 20 gallons of water with ground equipment. To prepare the tank mixture, mix AMIBEN® herbicide in the spray tank with 1/2 to 3/4 of the required water. Add Dual 8E to the tank while agitator is running and fill with remaining required water. Continue good agitation at all times until spraying is completed.

Apply AMIBEN® and Dual preplant incorporated or preemergence using the appropriate rates from the table below. For preplant incorporated treatments apply the tank mixture to the soil and incorporate into the top two inches of soil just before planting using a finishing disc, harrow, rolling cultivator or similar implement capable of providing uniform two inch incorporation. Use a preplant incorporate application if furrow irrigation is used or when a period of dry weather is expected. If soybeans are planted on beds apply and incorporate the tank mixture after bed formation.

For preemergence treatments, apply the tank mixture during planting (behind the planter) or after planting before weeds or soybeans emerge. For sequential applications apply Dual 8E alone preplant incorporated as specified above for the tank mixture. Follow with a preemergence application of AMIBEN® herbicide during planting (behind the planter) or after planting before weeds or soybeans emerge.

Make all broadcast treatments according to the following table:

Soil Texture	AMIBEN® Qts/A	Dual 8E Pts/A
Loamy sand, sandy loam	4	1 1/2
Loam, silt loam, silt	4	1 1/2 to 2
Silty clay loam, silty clay, sandy clay, clay loam, clay	4 to 6	2 to 2 1/2

Do not use on muck or peat soils.

Before applying this combination read thoroughly all cautionary statements and all other information appearing on or attached to the containers of AMIBEN® herbicide and Dual 8E.

AMIBEN® CHLORAMBEN HERBICIDE TANK MIXTURE WITH "DUAL" AND "SENCOR" OR "LEXONE" FOR SOYBEANS

GENERAL INFORMATION

A tank mixture of AMIBEN® chloramben herbicide plus Dual 8E plus Sencor or Lexone when applied in accordance with the following directions, either preplant soil incorporated or preemergence, effectively controls most weeds listed on the current AMIBEN®, Dual 8E, and Lexone WP14LDF or Sencor WP14DF labels.

DIRECTIONS FOR USE

The soil should be well prepared and free of any existing weeds, trash, or clods before application. The mixture should be applied in from 10 to 20 gallons of water per acre using any properly calibrated low pressure sprayer equipped with herbicide tips and in-line strained screens no finer than 50 mesh.

Preplant Soil Incorporated Use:

Incorporation should place the AMIBEN® chloramben herbicide plus Dual 8E plus Sencor or Lexone into the top 1 to 3 inches of the final seedbed. Use machinery that mixes AMIBEN® chloramben herbicide plus Dual plus Sencor or Lexone thoroughly with the soil. Incorporation with implements set to cut less than 2 inches deep may result in erratic weed control.

Recommended Equipment Includes:

1. Two passes with a disc set to cut 4 inches deep at 4 to 6 mph with the second pass running at an angle to the first. A tandem or double-disc operated one time does not provide adequate incorporation.
2. One pass with a field cultivator set to cut 1 to 4 inches deep and operated at 6 mph or more. The field cultivator should have 3 to 4 rows of sweeps, spaced at intervals of 7 inches or less and staggered so that no soil is left unturned. Chisel points should not be used. Do not set cultivator deeper than 4 inches. The field cultivator used alone or in combination with the double-disc will provide effective incorporation. If used in combination with a double-disc the spray boom should be mounted behind the disc blades but ahead of the cultivator sweeps.
3. One pass with a rolling cultivator set to cut 2 to 3 inches deep and operated at 6 to 8 mph.

Rolling cultivators are adequate for use on coarse and medium textured soils only

- One pass with a mulch treader or other similar disc type equipment set to cut 2 to 3 inches deep and operated at 5 to 8 mph.
- PTO-driven equipment (tillers, cultivators, hoes) set to cut 2 to 3 inches deep with rotors spaced to provide a clean sweep of the soil operated one time. PTO-driven equipment should not be operated at a speed greater than 4 mph.

Apply the tank mixture using the table below to determine the proper rate of each chemical for your soil type.

Preemergence Use:

The tank mixture of AMIBEN® chloramben herbicide plus Dual 8E plus Lexone or Sencor may be applied as a preemergence broadcast treatment at time of planting. Use the table below to determine the proper rate of each chemical for your soil type.

Make all broadcast treatments according to the following table

SOIL TEXTURE	AMIBEN®		SENCOR 50WP		SENCOR 4		SENCOR DF	
	PTS/A	PTS/A	LESTONE WP LBS/A	LESTONE 4L PTS/A	LESTONE 4L PTS/A	LESTONE DF LBS/A		
Coarse heavy sand sandy loam	3 to 4	1 to 2	1.2	1.2	1.3			
Medium loam silt loam	4 to 5	2 to 2.2	1.2 to 3.0*	1.2 to 3.0*	1.3 to 1.2*			
Fine loam clay loam silt clay sandy clay heavy clay heavy silt clay loam	5 to 6	2 to 2.3	3.0 to 1.1*	3.0 to 1.1*	1.2 to 2.3*			

On Clarion Webster soils in Minnesota and Iowa or on similar alkaline (calcareous) soils a pH of 7.5 or above, apply Sencor WP or Lexone WP at 1/2 pound/A, Sencor 4 or Lexone 4L at 1/2 pint/A, or Lexone DF or Sencor DF at 1/3 pound/A on medium soils. On fine soils use 1/2 to 3/4 pound/A Sencor WP or Lexone WP, 1/2 to 3/4 pint Sencor 4 or Lexone 4L or 1/3 to 1/2 pound/A Lexone DF or Sencor DF. Use the higher rate only where soil pH is less than 7.5 and where weed pressure is heavy.

Use the higher rate of AMIBEN® where heavy stands of Pennsylvania smartweed, velvetleaf, ragweed, wild mustard, or black nightshade are expected. Use the higher rate of Dual 8E when treatments are incorporated, when organic matter is greater than 3%, or where heavy stands of black nightshade, foxtail, witchgrass, panicum, or yellow nutsedge are expected. Use the high rate of Sencor or Lexone where heavy stands of Florida pusley, sesbania, velvetleaf or Jimsonweed are expected except when soil pH is over 7.5.

MIXING INSTRUCTIONS

To prepare the tank mixture of AMIBEN® chloramben herbicide plus Dual plus Lexone or Sencor, first fill the spray tank 1/4 to 1/2 full with clean water. Start agitation and add Sencor or Lexone and mix thoroughly. Continue agitation while adding clean water and when spray tank is 3/4 full, add Dual then AMIBEN® chloramben herbicide and finally, the remaining required water. Agitate continuously during filling and throughout the spraying operation. Agitation should sweep bottom contents of the tank up into the main body of the spray mixture for thorough mixing and uniform suspension. Apply entire contents of spray tank within 4 hours of initial mixing.

CULTIVATION AFTER PLANTING

Soil treated with AMIBEN® chloramben herbicide plus Dual plus Sencor or Lexone may be

shallow-cultivated, rotary-hoed, or hand-hoed without reducing the weed control activity of the tank mixture. With preplant soil incorporated treatments, do not cultivate deeper than the AMIBEN® plus Dual plus Sencor or Lexone treated layer of soil since this may bring untreated soil to the surface and poor weed control may result. If sufficient rain does not fall within 7 days after preemergence applications of the tank mixture, but there is enough soil moisture to germinate weeds and grasses, a light cultivation with a rotary hoe or similar tool will uproot these small broadleaf weeds and grasses.

SPECIAL PRECAUTIONS

Applied according to directions and under normal growing conditions, the tank mix of AMIBEN® chloramben herbicide plus Dual plus Sencor or Lexone will not harm the treated crop. Over-application may result in crop injury. Uneven application or improper soil incorporation of AMIBEN® plus Dual plus Sencor or Lexone can result in erratic weed control or crop injury. Seeding disease, cold weather, deep planting, excessive moisture, soil pH over 7.5, high salt concentration, or drought may weaken crop seedlings and increase the possibility of damage from the tank mixtures. Under these conditions, delayed crop development or reduced yields may result.

Do not use on sand or on medium to fine soils with less than 1% organic matter. This mixture applied preplant incorporated may cause slight soybean injury early, but the soybeans should recover and the subsequent growth or yields should not be affected.

Do not use the foliage from soybeans treated with the tank mix of AMIBEN® and Dual and Sencor or AMIBEN® and Dual and Lexone for feed or forage.

Caution: Observe all cautions and limitations on labeling of all products used in mixtures.

AMIBEN® CHLORAMBEN HERBICIDE AND "TREFLAN" FOR SOYBEANS

AMIBEN® herbicide 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. Or AMIBEN® herbicide may be applied several days prior to planting as a broadcast tank mix with Treflan. The tank mixture should be used as a spring preplant soil incorporated treatment. The combination of AMIBEN® herbicide with Treflan improves broadleaf weed control of species such as Pennsylvania smartweed, velvetleaf and ragweed. For broadcast treatments, incorporate chemicals immediately and thoroughly to an approximate depth of 2 inches with a disc, field cultivator or similar tool set to cut a depth of 4 to 6 inches.

Apply AMIBEN® chloramben at a rate of 4 to 6 quarts per broadcast acre. Use the higher rate where heavy populations of Pennsylvania smartweed, velvetleaf, ragweed, wild mustard or black nightshade are expected.

Apply Treflan at a rate of 1 1/2 pints for medium soils and 2 pints for fine soils. Do not use on muck or charcoal soils. Read and observe all directions and cautions on labels for AMIBEN® and Treflan.

AMIBEN® CHLORAMBEN HERBICIDE TANK MIXTURES WITH "TREFLAN" AND "SENCOR" OR "LEXONE" FOR SOYBEANS

GENERAL INFORMATION

A tank mix of AMIBEN® chloramben plus Treflan plus Sencor or Lexone when applied preplant soil incorporated as recommended herein for use on soybeans, effectively controls the weeds listed on the current AMIBEN®, Treflan and Sencor WP/4/DF or Lexone WP/4/DF labels.

DIRECTIONS FOR USE

The soil should be well prepared, free of any existing weeds, trash, or clods before application.

Fill the spray tank 1/4 full with clean water. Start agitation and add Sencor or Lexone and mix thoroughly. Continue agitation while adding clean water and when spray tank is 3/4 full, add Treflan then AMIBEN® Chloramben. Agitate continuously during filling and throughout the spraying operation. Agitation should sweep bottom content (sprayer system) of the tank up into the main body of the spray mixture for thorough mixing and uniform suspension. Apply entire contents of spray tank within four hours of initial mixing.

Apply in from 10 to 20 gallons of water per acre using any properly calibrated low pressure sprayer equipped with herbicide tips and in-line strained screens no finer than 50 mesh.

INCORPORATION DIRECTIONS

Incorporation Before Planting

For best results AMIBEN® chloramben Treflan plus Sencor or Lexone should be incorporated as soon as possible after application. The three way tank mixture must be incorporated within 24 hours after application if AMIBEN® plus Treflan plus Sencor or Lexone is applied to a wet, warm soil surface or if the wind velocity is 10 mph or higher, variable weed control may result from delaying incorporation beyond 24 hours.

Incorporation should place the AMIBEN® chloramben plus Treflan plus Sencor or Lexone into the top 2 to 3 inches of the final seedbed. A disc running 4 inches deep will incorporate the tank mixture approximately 2 inches deep.

Incorporation Equipment

Use machinery that mixes AMIBEN® chloramben plus Treflan plus Sencor or Lexone thoroughly with the soil. Shallow incorporation with implements set to cut less than 2 inches deep may result in erratic weed control. Use of incorporation equipment not listed upon the label may result in poor or erratic weed control and/or crop injury.

Recommended equipment includes:

Disc set to cut 4 to 6 inches deep and operated in 2 different directions at 4 to 6 mph. A tandem or double-disc operated one time does not provide adequate incorporation.

Field Cultivator set to cut 3 to 4 inches deep and operated at 5 mph or more. The field cultivator used alone or in combination with the double-disc will provide effective incorporation providing the following instructions are used:

1. Two passes over the field with a field cultivator with the second pass running at an angle to the first. Do not set cultivator to cut deeper than 4 inches, particularly on the second pass, since untreated soil may be turned up.
2. Field cultivator used for the first pass and the double-disc used for the second pass.
3. Double-disc used for the first pass and the field cultivator used for the second pass.

NOTE: A field cultivator is defined as an implement with 3 to 4 rows of sweeps spaced at intervals of 7 inches or less and staggered so that no soil is left unturned. Chisel points should not be used.

Rolling Cultivator set to cut 2 to 4 inches deep and operated 2 times at 6 to 8 mph. Rolling cultivators are adequate for use on coarse and medium textured soils only.

Mulch treader and other similar disc-type implements set to cut 3 to 4 inches deep and operated at 5 to 6 mph in two different directions.

PTO-driven equipment (tillers, cultivators, hoes) set to cut 2 to 3 inches deep with rotors spaced to provide a clean sweep of the soil operated one time. PTO-driven equipment should not be operated at a speed greater than 4 mph.

CULTIVATION AFTER PLANTING

Soil treated with AMIBEN® chloramben plus Trellan plus Sencor or Lexone may be shallow-cultivated, rotary-hoed, or hand-hoed without reducing the weed control activity of the tank mixture. Do not cultivate deeper than the AMIBEN® plus Trellan plus Sencor or Lexone treated layer of soil since this may bring untreated soil to the surface and poor weed control may result.

Make all broadcast treatments according to the following table:

SOIL TEXTURE	Trellan		SENCOR 50WP		SENCOR 4		SENCOR DF	
	AMIBEN® Lbs/A	ACC Pps/A	LEXONE WP Lbs/A	LEXONE AL Pps/A	LEXONE AL Pps/A	LEXONE DF Lbs/A	LEXONE DF Lbs/A	LEXONE DF Lbs/A
Coarse sand (fine sand sandy loam) s/l	3 to 4*	1	1/2	1/2	1/2	1/2	1/2	1/2
Medium (loam silt loam silt)	4 to 5*	1 1/2	1/2 to 3/4**					
Fine clay (clay loam silty clay sandy clay sandy clay loam, silty clay loam)	5 to 6*	2	3/4**	3/4**	3/4**	3/4**	3/4**	3/4**

* Do not use Sencor or Lexone on coarse sand with less than 1% organic matter.

* Use the higher rate of AMIBEN® chloramben when velvetleaf or black nightshade is a problem.

** On Clarion Webster soils in Minnesota and Iowa or on similar alkaline (calcareous) soils with a pH of 7.5 or above, apply Sencor WP or Lexone WP at 1/2 pound/A, Sencor 4 or Lexone 4L at 1/2 pint/A, or Lexone DF or Sencor DF at 1/3 pound/A on medium soils and at 1/2 to 3/4 pound/A Sencor WP or Lexone WP, 1/2 to 3/4 pint/A Sencor 4 or Lexone 4L or 1/3 to 1/2 pound/A Lexone DF or Sencor DF on fine soils. Use the higher rate only where soil pH is less than 7.5 and where weed pressure is heavy.

SPECIAL PRECAUTIONS

Applied according to directions and under normal growing conditions, the AMIBEN® and Trellan and Lexone tank mix will not harm the treated crop. Over-application may result in crop injury. Uneven application or improper soil incorporation of AMIBEN® and Trellan and Sencor or AMIBEN® and Trellan and Lexone tank mix can result in erratic weed control or crop injury. Seeding disease, cold weather, deep planting, excessive moisture, soil pH over 7.5, high salt concentration, or drought may weaken crop seedlings and increase the possibility of damage from the tank mixtures. Under these conditions, delayed crop development or reduced yields may result.

Caution: Observe all cautions and limitations on labeling of all products used in mixtures.

Do not use the foliage from soybeans treated with the AMIBEN® and Trellan and Sencor or AMIBEN® and Trellan and Lexone tank mix for feed or forage.

AMIBEN® CHLORAMBEN HERBICIDE AND "PROWL" FOR SOYBEANS

A tank mixture of AMIBEN® chloramben herbicide and Prowl may be applied

as a preplant soil incorporated herbicide treatment or AMIBEN® herbicide may be applied as a preemergence broadcast treatment at planting time in soybean fields where Prowl has been applied as a preplant soil incorporated herbicide treatment. The tank mixture of AMIBEN® plus Prowl may also be applied as a preemergence broadcast treatment. The combination may be used only in Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, North Dakota, Ohio, Pennsylvania, South Dakota, Wisconsin and Missouri except in the "Bootheel Region".

When applied according to directions, tank mixtures of AMIBEN® herbicide and Prowl herbicide either preplant incorporated or preemergence, or the sequential treatment of AMIBEN® preemergence over Prowl preplant incorporated will control fall panicum, signalgrass, velvet mallow and velvetleaf in addition to all other weeds listed on the AMIBEN® and Prowl labels.

For uniform application of the tank mixture of AMIBEN® and Prowl, use 10 to 20 gallons of water per acre with ground equipment or 3 to 5 or more gallons of water per acre by aircraft. To prepare the tank mixture, mix AMIBEN® herbicide well in the spray tank with 1/2 to 3/4 of the required water. Add Prowl herbicide to the tank while agitator is running and fill with the remaining required water. Continue and maintain good agitation at all times until spraying is completed.

The seedbed should be firm and free of clods or trash. When using the tank mixture preplant soil incorporated or when using Prowl preplant incorporated followed by a preemergence application of AMIBEN® the herbicides should be applied within 7 days prior to planting. When applied as a preplant soil incorporated treatment the tank mixture of AMIBEN® plus Prowl should be thoroughly incorporated into the top 0 to 2 inches of soil using equipment and techniques described elsewhere on this label and on the Prowl label.

When using the tank mixture preemergence, treatments should be made at planting or within 2 days after planting before weeds and soybeans emerge.

Apply AMIBEN® herbicide at a rate of 4 to 6 quarts per broadcast acre. Apply Prowl herbicide at rates of 1.5 to 2.0 pints on soils with less than 3% organic matter and 2.0 to 2.5 pints on soils with greater than 3% organic matter. Use the higher rate of the range when heavy weed populations are anticipated. Do not use on peat or muck soils.

If sufficient rain does not fall within 7 days after preemergence treatment, but there is enough soil moisture to germinate weeds and soybeans a light cultivation with a rotary hoe or similar tool will uproot these small weeds. The shallow mixing of the herbicides into the soil surface will not interfere with their action when rains come. If soybean crop loss occurs due to weather conditions, soybeans may be replanted. If replanting is necessary, DO NOT rework the soil.

Before applying this combination, read thoroughly the cautionary statements and all other information appearing on or attached to the containers of both the Prowl and AMIBEN® herbicides.

AMIBEN® CHLORAMBEN HERBICIDE TANK MIXTURE WITH "PROWL" AND "SENCOR" OR "LEXONE" FOR SOYBEANS

GENERAL INFORMATION

A tank mixture of AMIBEN® chloramben herbicide plus Prowl plus Sencor or Lexone may be applied either preplant soil incorporated or preemergence in soybeans grown in the northeastern and north central states (Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, North Dakota, Ohio,

Pennsylvania, South Dakota, Wisconsin, Missouri (except the "Bootheel Region"), all areas of Delaware, Maryland, New Jersey, and Virginia (except the Coastal Plains of these states). When applied according to the following directions the tank mixture of AMIBEN® plus Prowl plus Sencor or Lexone effectively controls the weeds listed on the current AMIBEN®, Prowl and Sencor WP/4/DF or Lexone WP/4/DF labels.

DIRECTIONS FOR USE

The soil should be well prepared, free of any existing weeds, trash or clods before application. Fill the spray tank 1/2 full with clean water. Start agitation and add Sencor or Lexone and mix thoroughly. Continue agitation while adding clean water and when the spray tank is 3/4 full, add Prowl then AMIBEN® chloramben herbicide and finally, the remaining required water. Agitate continuously during filling and throughout the spraying operation. Agitation should sweep bottom contents of the tank up into the main body of the spray mixture for thorough mixing and uniform suspension. Apply the entire contents of the spray tank within 4 hours of initial mixing.

Uniformly apply the recommended AMIBEN® plus Prowl plus Sencor or Lexone tank mixture in 10 to 20 gallons of water per acre with ground equipment or in 3 to 5 or more gallons of water per acre by aircraft using herbicide nozzle tips and in line strained screens no finer than 50 mesh.

PREPLANT INCORPORATED USE

The tank mixture of AMIBEN® plus Prowl plus Sencor or Lexone must be incorporated into the soil and soybeans must be planted within 7 days after application. Uneven spray application or improper soil incorporation can produce erratic weed control. The tank mixture should be thoroughly incorporated into the top 1 to 2 inches of soil using equipment and techniques described elsewhere on this label.

PREEMERGENCE USE

Apply the tank mixture of AMIBEN® plus Prowl plus Sencor or Lexone as a broadcast treatment at time of planting or within 2 days after planting before weeds and soybeans emerge. This treatment is most effective when adequate rainfall or overhead irrigation is received within 7 days after application.

If sufficient rain does not fall within 7 days after spraying the tank mixture of AMIBEN® plus Prowl plus Sencor or Lexone, 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 the tank mixture in the surface soil will improve consistency of performance and reduce dependency on rainfall to activate the herbicides, but will not interfere with their action when rains come.

APPLICATION RATES

Make all broadcast treatments according to the following table:

SOIL TEXTURE	AMIBEN® PT/5/A		SENCOR 50WP OF LEXONE 4L PT/5/A		SENCOR 4 OF LEXONE 4L PT/5/A		SENCOR 50 OF LEXONE 4L PT/5/A	
	PT/5/A	PT/5/A	PT/5/A	PT/5/A	PT/5/A	PT/5/A	PT/5/A	PT/5/A
Coarse (heavy sand sandy loam)	5 to 6	1 1/2 to 2	1/2	1/2	1/2	1/2	1/2	1/2
Medium (lean silty loam silty clay)	4 to 5	1 1/2 to 2 1/2	1/2 to 3/4"	1/2 to 3/4"	1/2 to 3/4"	1/2 to 3/4"	1/2 to 3/4"	1/2 to 3/4"
Fine (clay clay loam silty clay sandy clay loam silty clay loam)	5 to 6	2 to 3	3/4 to 1"	3/4 to 1"	3/4 to 1"	3/4 to 1"	3/4 to 1"	3/4 to 1"

* On Clarion Webster soils in Minnesota and Iowa or on similar alkaline (calcareous) soils with a pH of 7.5 or above, apply Sencor WP or Lexone WP at 1/2 pound/A, Sencor 4 or Lexone 4L at 1/2 pint/A, or Lexone DF or Sencor DF at 1/3 pound/A on medium soils. On fine soils use 1/2 to 3/4 pound/A Sencor WP or Lexone WP, 1/2 to 3/4 pint/A Sencor 4 or Lexone 4L or 1/3 to 1/2 pound/A Lexone DF or Sencor DF. Use the higher rate only where soil pH is less than 7.5 and where pressure is heavy.

Use the higher rate of AMIBEN® where heavy stands of Pennsylvania smartweed, velvetleaf, ragweed, wild mustard, or black nightshade are expected. Use the higher rate of Prowl when treatments are incorporated on soils with more than 3% organic matter, or where heavy stands of foxtail, witchgrass or panicum are expected. Use the high rate of Sencor or Lexone where heavy stands of Florida pusley, sesbania, velvetleaf or Jimsonweed are expected except when soil pH is over 7.5.

SPECIAL PRECAUTIONS

Soybean seed should be planted at least 1 1/2 inches below soil surface. Soil incorporation deeper than 2 inches will reduce weed control and can result in crop injury. Seedling disease, cold weather, deep planting, excessive soil moisture, soil pH over 7.5, high salt concentration, or drought may weaken crop seedlings and increase possibility of damage from the tank mixtures. Under these conditions delayed crop development or reduced yields may result.

Do not use on sensitive soybean varieties such as Tracy, Semmes, Aitona, Vansoy or Coker 102.

Do not use the foliage from soybeans treated with the AMIBEN® plus Prowl plus Sencor or Lexone tank mix for feed or forage.

Caution: Observe all cautions and limitations on labeling of all products used in mixtures.

AMIBEN® CHLORAMBEN HERBICIDE AND METRIBUZIN ("SENCOR" OR "LEXONE") TANK MIXTURE FOR SOYBEANS

AMIBEN® chloramben and metribuzin may be applied in a tank mixture combination as a preemergence band or broadcast application. Use standard spray equipment, and 10 to 40 gallons of spray solution per broadcast acre.

This tank mixture controls Florida pusley, sesbania (coffeebean or coffeeweed), shepherd-spurge and sicklepod in addition to those weeds controlled by AMIBEN® chloramben Herbicide. Performance on cocklebur, fall panicum and black nightshade may be erratic depending on soil temperature, depth of weed seeds in soil and amount of moisture. Control may be improved with timely cultivation.

Make all broadcast treatments according to the following table:

SOIL TEXTURE	3% or Less Organic Matter			
	AMIBEN® Qu/A	SENCOR 50W or LEXONE WP Lb/A	SENCOR 4 or LEXONE 4L Pt/A	SENCOR DF or LEXONE DF Lb/A
Light sand to sandy loam (greater than 2% organic matter only)	3 to 4	0.5	0.5	0.33
Light to sandy clay loam	3 to 4	0.5	0.75	0.5
Silty clay loam to clay	4 to 5	1.0	1.0	0.67
SOIL TEXTURE	Greater than 3% Organic Matter			
	AMIBEN® Qu/A	SENCOR 50W or LEXONE WP Lb/A	SENCOR 4 or LEXONE 4L Pt/A	SENCOR DF or LEXONE DF Lb/A
Light sand to sandy loam (greater than 2% organic matter only)	3 to 4	0.75	0.75	0.5
Light to sandy clay loam	4 to 5	1.0	1.0	0.67
Silty clay loam to clay	4 to 5	1.0	1.0	0.67

In the Mississippi Delta only, on silty clay to heavy clay textured soil use 6 quarts of AMIBEN® plus Lexone 50 WP - 1.5 lb., Lexone 4L - 1 lb. or 2 lbs. of Sencor 50 WP, 2 pts. of Sencor 4, or 1 lb. of Sencor DF. Do not use on muck soils. Use the high rates when heavy weed stands are expected.

For band application rates divide Band width by the Row spacing and multiply by rate/acre selected from the chart above.

SPECIAL PRECAUTIONS

Injury may occur to soybeans following application of metribuzin on soils having a calcareous surface area or a pH of 7.5 or higher.

Sensitive soybean varieties such as Tracy, Semmes, Altona, Vansoy or Coker 102, should not be treated with metribuzin or injury may result.

If initial planting does not produce a satisfactory stand, fields treated with AMIBEN® chloramben and metribuzin tank mixtures may be replanted to soybeans. If replanting is necessary, do not rework soil. Do not apply a second treatment over the first treatment as injury to soybeans may occur. Read Sencor or Loxone labels and literature carefully to understand conditions to insure crop safety. For additional precautions and information concerning spray equipment, mixing directions, and restrictions refer to the appropriate sections of the AMIBEN® chloramben herbicide and the Loxone/Sencor labels. Do not use vines treated with the AMIBEN®, metribuzin tank mix for feed or forage.

AMIBEN® CHLORAMBEN HERBICIDE AND "LOROX" 50W TANK MIXTURE FOR SOYBEANS

A tank mixture of AMIBEN® herbicide 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 10 to 20 gallons of water per acre. For air application use 3 to 5 gallons 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	3% or Less Organic Matter		Greater than 3% Organic Matter	
	AMIBEN® 50w/A	Lorox 1 lb/A	AMIBEN® 50w/A	Lorox 1 lb/A
Sandy Loam	3	2 1/2 to 1 1/2	3	1 1/2 to 2
Silt Loam	3	1 1/2 to 2 1/3	4	1 2/3 to 2 1/2
Clay Loam	4	1 1/4 to 2	4 to 5	2 to 3

For band treatments, use proportionally less AMIBEN® and Lorox. Before applying this tank mixture as a broadcast or band treatment, read thoroughly the cautionary statements and all other information appearing on both product labels.

AMIBEN® CHLORAMBEN HERBICIDE AND "BASALIN" FOR SOYBEANS

AMIBEN® chloramben herbicide may be applied over soybeans at planting time in fields where Basalin herbicide has been applied as a preplant soil incorporated herbicide. Or AMIBEN® herbicide may be applied as a preplant incorporated tank mix with Basalin.

When applied according to direction, tank mixtures of AMIBEN® herbicide and Basalin herbicide or the sequential treatment will control fall panicum, signalgrass, and common purslane in addition to those weeds controlled with AMIBEN® herbicide alone.

For uniform application of the tank mixture of AMIBEN® and Basalin use 10 to 20 gallons of water per acre with ground equipment. To prepare the tank mixture, mix AMIBEN® herbicide well in the spray tank with one half to three fourths of the required water. Add Basalin herbicide to the tank while agitator is running and fill with the remaining required water. Maintain good agitation at all times until spraying is completed. The tank mixture may be applied and incorporated at planting or several days prior to planting.

When using Basalin herbicide followed by preemergence application of AMIBEN®, Basalin may be applied as many as 6 to 8 weeks before planting or up to planting. The seedbed should be firm and free of clods and trash. Basalin is to be incorporated into the soil within eight hours of application prior to planting. For best results of preplant incorporation of Basalin herbicide read all instructions and cautions on the Basalin label.

Apply AMIBEN® herbicide at a rate of 4 to 8 quarts per broadcast acre. Apply Basalin herbicide at 1.5 to 3 pints per broadcast acre. Use the higher rate of the range on heavier, finer textured soils or on soils with over 4% organic matter. Do not use on peat or muck soils.

Before applying this combination read thoroughly the cautionary statements and all other information appearing on or attached to the containers of both Basalin and AMIBEN® herbicides.

AMIBEN® CHLORAMBN HERBICIDE AND "VERNAM" FOR SOYBEANS

GENERAL INFORMATION

A tank mixture of AMIBEN® chloramben herbicide and Vernam 7E can be used prior to planting for weed control in soybeans or AMIBEN® may be applied over soybeans at planting time when Vernam has been applied as a preplant soil incorporated herbicide.

The combination will control a broader spectrum of weeds than either material alone.

WEEDS CONTROLLED:

Nutsedge (yellow & purple)	Velvetleaf - buttonweed
Barnyardgrass (watergrass)	Stinkgrass
Crabgrass (hairy & smooth)	Carpetweed
Foxtail (grain, green, yellow)	Chickweed
German millet	Coffeeweed
Goosegrass	Florida pusley
Johnsongrass (seedling)	Kochia
Mustard	Lambsquarters (common)
Nightshade	Morningglory (annual)
Prickly sida - teasweed	Pigweed (redroot & smooth)
Ragweed (common)	Purslane
Smartweed (Pennsylvania)	Sicklepod
	Spurge (annual)

DIRECTIONS FOR USE

Vernam 7E must be incorporated into the soil immediately (within minutes) to prevent loss of the herbicide. Whenever possible application and incorporation of Vernam or a tank mixture of AMIBEN® and Vernam should be done in the same operation.

Incorporation Information:

Use (1) power driven cultivation equipment set to cut a depth of 2 to 3 inches or (2) a tandem disc

set to cut to a depth of 4 to 6 inches, operated at 4 to 6 mph followed by a spiked-tooth harrow or other leveling device which extends beyond the disc. For thorough mixing, disc in 2 different directions (cross disc). Prior to the second discing, raise the disc to prevent cutting deeper than 4 to 6 inches.

Sequential Applications:

Before planting, apply Vernam 7E at the rates listed in the table below for your soil type. Incorporate into the soil as described above and on the Vernam label. At or after planting apply AMIBEN® chloramben herbicide at the rates listed in the table below as a broadcast treatment.

Make all broadcast treatments according to the following table:

Soil Type	AMIBEN® Qts/Acre	Vernam 7E Pts/Acre
Coarse (sandy-light)	4	2 1/3
Medium to Fine (sandy loam to clay loam)	5	3
Fine to very fine (clay)	6	3 1/2

Tank Mix Application:

On medium textured soils a tank mixture of 5 quarts AMIBEN® and 2 1/3 pints Vernam 7E may be applied and incorporated prior to planting. Follow the incorporation directions described above. To prepare the tank mixture fill the spray tank 1/2 full of water and with agitation running add the required amount of AMIBEN®

Next add the required amount of Vernam to the spray tank with agitation running and fill with the

remaining required water. Apply in 10 to 20 gallons of water per acre.

Read and follow all directions, use limitations, precautions and warnings that appear on the AMIBEN® chloramben herbicide and Vernam labels.

AMIBEN® CHLORAMBN HERBICIDE TANK MIX WITH "SURFLAN" FOR WEED CONTROL IN SOYBEANS

GENERAL INFORMATION

The AMIBEN® and Surflan tank mixture effectively controls all annual grass and broadleaf weeds listed on the Surflan and AMIBEN® labels including chickweed, coffeeweed, kochia, wild mustard, black nightshade, prickly sida (teasweed), common ragweed, Russian thistle, Pennsylvania smartweed, annual spurge, stinkgrass and velvetleaf (buttonweed).

AMIBEN® and Surflan tank mixtures may be applied within two days after planting, but before crop emergence using a properly calibrated, low-pressure herbicide sprayer that will provide uniform soil coverage. Agitate thoroughly before and during application. Follow normal AMIBEN® chloramben and Surflan procedures for soil preparation. Do not spray over top of emerged soybeans.

DIRECTIONS FOR USE

Make all broadcast application according to the following table:

Soil Texture	AMIBEN® Qts/A	Surflan 4AS Qts/A	Surflan 75W Lbs/A
Coarse Soils	4 to 6	1/2 to 3/4	2/3 to 1
Medium Soils	4 to 6	3/4 to 1	1 to 1 1/3
Fine Soils	4 to 6	1 to 1 1/4	1 1/3 to 1 2/3

The higher rate of AMIBEN® chloramben should be used on clay loams, clay or high organic (3 to 5%) mineral soils. Do not use the AMIBEN® and Surflan tank mix on soils containing more than 5% organic matter.

SPECIAL PRECAUTION: Poor weed control and/or crop injury may result if directions are not followed. Over-application may result in crop injury and/or soil residue of Surflan. Do not use treated vines for feed or forage. Observe all precautions on both the AMIBEN® and Surflan labels.

AMIBEN® CHLORAMBEN HERBICIDE AND "PREMERGE 3" TANK MIXTURE FOR SOYBEANS

Preemergence - Use a tank mix combination of AMIBEN® herbicide and Premerge 3 consisting of 3 to 4 quarts of AMIBEN® plus 4 to 6 quarts of Premerge 3. Apply at time of planting or before crop emergence. Use the higher rate of each product on clay and clay loam soils.

Early postemergence (when soybeans have emerged and are still in the cotyledon stage before first leaves open to expose the terminal bud). Combine 4 to 6 quarts of AMIBEN® with 1 to 2 quarts of Premerge 3 to control emerged weeds including pigweed, cocklebur, annual morning-glory, Jimsonweed, common ragweed, velvetleaf, Pennsylvania smartweed, small seedling grasses and many other that emerge before or with the crop. AMIBEN® herbicide provides residual control of annual weed seedlings that may germinate after spraying. Use 7 gallons of water when applied by aircraft or about 30 gallons of water applied by ground equipment. The amount of Premerge 3 to be used per acre depends on the maximum air temperature expected within 2 hours; use 2 quarts below 75 degrees F, 1 quart from 75 to 95 degrees F and do not apply above 95 degrees F.

Some injury to soybean plants may occur but yields usually are not reduced. Note: Do not spray

if soil surface is wet or if first leaves have opened. Do not use this tank mix if AMIBEN® has been applied preemergence.

AMIBEN® CHLORAMBEN HERBICIDE PROGRAMMED CONTROL OF WILD PROSO MILLET IN SOYBEANS

When used as directed below, a weed control program of sequential AMIBEN® applications will control wild proso millet in addition to all other weed species listed on the AMIBEN® label.

DIRECTIONS FOR USE

1 to 4 days before planting apply a preplant incorporated tank mixture of 4 to 6 quarts AMIBEN® plus the full labeled rate of another grass control material such as Treflan, Basalin, Prowl, Lasso or Dual as directed elsewhere on this label. After soybean emergence, but before emergence of wild proso millet seedlings make a second broadcast application of 4 to 6 quarts AMIBEN® per acre. This application should be made when soybeans are in the cotyledon to 2nd trifoliate growth stage, but before emergence of wild proso millet seedlings. Under normal conditions this will be 10 to 21 days after planting. If wild proso millet or other weeds have begun to emerge use a rotary hoe to remove emerged seedling weeds.

CAUTION:

Do not feed straw or green fodder from soybeans treated with AMIBEN® postemergence. Observe caution statements on this and all other herbicide labels.

DIRECTIONS FOR USE ON DRYBEANS (INCLUDING WHITE, NAVY, KIDNEY, PINTO, LIMA AND ADZUKI BEANS)

AMIBEN® herbicide may be used on drybeans as a preemergence or preplant incorporated her-

bicide. AMIBEN® may be applied and incorporated at planting or several days prior to planting. Uneven spray application or improper soil incorporation of AMIBEN® can produce erratic weed control. Incorporate the chemical in the top 0 to 2 inch level as most weeds sprout in this zone. You may incorporate with any of the following equipment (1) Tandem disc may be used to prepare seed bed and incorporate at the same time. Operate the disc at 4 to 6 mph with a 3 to 5 inch cut. Disc again at a different direction (angle) anytime before planting. (2) Field cultivators operating at 5 to 6 mph should be set to cut 3 to 4 inches deep. Use twice at different angles across the fields. (3) Rolling cultivators or bed conditioners (Do-All) should be set to cut 2 to 4 inches deep and operate at 6 to 8 mph or 4 to 6 mph respectively. Run equipment twice at different directions (angles) across the field. Use only on coarse, light and medium textured soils. (4) Mulch treaders or similar disc type equipment should be set to cut 3 to 4 inches. Operate at two different directions at 5 to 8 mph. (5) Power driven tillers, hoes or cultivators should be set to cut 2 to 3 inches deep. Space rotors to provide a clean sweep of the soil surface. Operate to maintain complete soil mixing. PTO equipment speed should not exceed 4 mph.

Apply at the rate of 4 to 6 quarts AMIBEN® chloramben herbicide per broadcast acre. The higher rate should be used on clay loams, clay or high organic (3 to 8 percent) mineral soils. To insure good spray coverage use 10 to 20 gallons of water per acre with ground equipment or a minimum of 5 gallons of water per acre by aircraft.

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® herbicide as a preemergence treatment, 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. In coarse textured soils heavy rains on incorporated AMIBEN® herbicide may move it below the weed seed germination zone and produce erratic weed control.

DO NOT apply more than 6 quarts per acre of AMIBEN® herbicide to the same field of drybeans in the same season.

AMIBEN® CHLORAMBEN HERBICIDE AND "TREFLAN" FOR DRYBEANS

AMIBEN® herbicide may be applied as a preemergence band or broadcast treatment in drybeans at planting time in fields where Treflan has been applied as a preplant soil incorporated herbicide. Or AMIBEN® herbicide may be applied several days prior to planting as a broadcast tank mix with Treflan. The tank mixture should be used as a spring preplant soil incorporated treatment. The combination of AMIBEN® herbicide with Treflan improves broadleaf weed control of species such as Pennsylvania smartweed, velvetleaf and ragweed. For broadcast treatments, incorporate chemicals immediately and thoroughly to an approximate depth of 2 inches with a disc, field cultivator or similar tool set to cut at a depth of 4 to 6 inches.

Apply AMIBEN® chloramben at a rate of 4 to 6 quarts per broadcast acre. Use the higher rate where heavy populations of Pennsylvania smartweed, velvetleaf, ragweed, wild mustard or black nightshade are expected.

Apply Treflan at a rate of 1½ pints for medium soils and 2 pints for fine soils. Do not use on muck or charcoal soils. Read and observe all directions and cautions on labels for AMIBEN® and Treflan.

AMIBEN® CHLORAMBEN HERBICIDE AND "EPTAM" FOR DRYBEANS

AMIBEN® herbicide may be applied as a preplant soil incorporated tank mixture with "Eptam" herbicide. Or AMIBEN® may be applied preemergence over drybeans at planting time where Eptam has been applied as preplant soil incorporated treatment. When applied preemergence, effectiveness depends on adequate rainfall after treatment. When applied according to directions, this combination will control annual broadleaves including black nightshade, ragweed, Pennsylvania smartweed, wild mustard and annual grasses.

DIRECTIONS FOR USE

Apply AMIBEN® herbicide either preplant soil incorporated or preemergence at a rate of 3 to 4 quarts per acre. Apply Eptam 7E at a rate of 2.5 to 3.5 pints per acre. Use the higher rates on fine textured soils or where weed pressure is heavy.

The AMIBEN® plus Eptam tank mix should be incorporated immediately after application with a field cultivator, tandem disc, mulch treader, rolling cultivator or power driven tiller. Thoroughly mix in the top 2-3" of the soil surface by incorporating twice in different directions. Refer to the Eptam label for further information on incorporation procedures.

Rainfall is not as critical for activation of AMIBEN® herbicide when it is applied preplant incorporated as when surface applied.

The rate of AMIBEN® herbicide may be reduced to 3 quarts per acre if black nightshade is not present.

Apply in 10 to 20 gallons of water per acre. Prepare the spray mixture by first filling the spray tank 1/2 to 2/3 full of water. With agitator running, slowly add AMIBEN®, followed by Eptam. Do not mix the concentrates before adding to water. Fill tank with the remaining required water.

If sufficient rain does not occur within 7 days after spraying AMIBEN® preemergence, a light cultivation or incorporation with a rotary hoe or similar tool is recommended.

Do not use Eptam or an AMIBEN® plus Eptam tank mixture on adzuki beans, cowpeas (blackeye peas, blackeye 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. Do not use on muck or charcoal soils. Read and observe all directions and cautions on labels for AMIBEN® and Eptam.

AMIBEN® CHLORAMBEN HERBICIDE PLUS "EPTAM" AND "TREFLAN" FOR DRYBEANS

AMIBEN® herbicide may be applied as a preplant soil incorporated tank mixture with "Eptam" and "Treflan" herbicides. Or AMIBEN® may be applied preemergence over drybeans at planting time where Eptam has been applied as preplant soil incorporated treatment. When applied preemergence, effectiveness depends on adequate rainfall after treatment. When applied according to directions, this combination will control annual broadleaves including black nightshade, ragweed, smartweed, wild mustard and annual grasses.

DIRECTIONS FOR USE

Apply AMIBEN® herbicide either preplant incorporated or preemergence at a rate of 3 to 4 quarts per acre. Apply Eptam at a rate of 2.5 pints per acre and apply Treflan at a rate of 1 pint per acre. Use the higher rate of AMIBEN® on fine textured soils or where weed pressure is heavy.

The Amiben/Eptam/Treflan or the Eptam/Treflan tank mixes should be incorporated immediately after application with a field cultivator, tandem disc, mulch treader, rolling cultivator or power driven tiller. Thoroughly mix in the top 2-3" by incorporating twice in different directions. Refer to the Eptam and Treflan labels for further information on incorporation procedures.

Rainfall is not as critical for activation of AMIBEN® herbicide when it is applied preplant incorporated as when surface applied.

The rate of AMIBEN® herbicide may be reduced to 3 quarts per acre if black nightshade is not present.

Apply in 10 to 20 gallons of water per acre. Prepare the spray mixture by first filling the spray tank 1/2 to 2/3 full of water. With agitator running, slowly add AMIBEN®, followed by Eptam and Treflan. Do not mix the concentrates before adding to water. Fill tank with the remaining required water.

If sufficient rain does not occur within 7 days after spraying AMIBEN® preemergence, light cultivation or incorporation with a rotary hoe or similar tool is recommended.

Do not use Eptam or an AMIBEN® plus Eptam plus Treflan tank mixture on adzuki beans, cowpeas (blackeye peas, blackeye beans), soybeans, lima beans or other flat podded beans except Romano. Under abnormal weather conditions stunting may occur on Grallot, Michillite,

Sanilac, Seafarer, and Seaway varieties. Do not use on muck or charcoal soils. Read and observe all directions and cautions on labels for AMIBEN®, Eptam and Treflan.

AMIBEN® CHLORAMBEN HERBICIDE AND "DUAL" FOR DRYBEANS

A tank mixture of AMIBEN® herbicide and Dual 8E may be applied as a preplant soil incorporated herbicide treatment. AMIBEN® herbicide may be applied as a preemergence broadcast tank mix treatment with Dual 8E during planting or after planting before weeds and drybeans emerge. Following a preplant soil incorporated application of Dual 8E, AMIBEN® herbicide may be applied preemergence during planting or after planting before weeds and drybeans emerge.

When applied according to label directions, tank mixtures of AMIBEN® herbicide and Dual will control all weeds controlled by AMIBEN® alone or by Dual alone including fall panicum, fox-tail millet, red rice, signalgrass, witchgrass, yellow nutsedge and black nightshade. Refer to the general information section of this label and the Dual label for additional weeds controlled by AMIBEN® and Dual 8E.

For uniform application of the tank mixture of AMIBEN® and Dual, use 10 to 20 gallons of water with ground equipment. To prepare the tank mixture, mix AMIBEN® herbicide in the spray tank with 1/2 to 3/4 of the required water. Add Dual 8E to the tank while agitator is running and fill with remaining required water. Continue good agitation at all times until spraying is completed.

Apply AMIBEN® and Dual preplant incorporated or preemergence using the appropriate rates from the table below. For preplant incorporated treatments apply the tank mixture to the soil and incorporate into the top two inches of soil just before planting using a finishing disc, harrow, rolling cultivator or similar implement capable of

providing uniform two inch incorporation. Use a preplant incorporate application if furrow irrigation is used or when a period of dry weather is expected. If drybeans are planted on beds apply and incorporate the tank mixture after bed formation. For preemergence treatments, apply the tank mixture during planting (behind the planter) or after planting before weeds or drybeans emerge. For sequential applications apply Dual 8E alone preplant incorporated as specified above for the tank mixture. Follow with a preemergence application of AMIBEN® herbicide during planting (behind the planter) or after planting before weeds or drybeans emerge.

Make all broadcast treatments according to the following table:

Soil Texture	AMIBEN® Qts/A	Dual 8E Pts/A
Loamy sand, sandy loam	4	1½
Loam, silt loam, silt	4	1½ to 2
Silty clay loam, silty clay, sandy clay, clay loam, clay	4 to 6	2 to 2½

Do not use on muck or peat soils.

Before applying the combination read thoroughly all cautionary statements and all other information appearing on or attached to the containers of AMIBEN® herbicide and Dual 8E.

AMIBEN® CHLORAMBEN HERBICIDE AND "LASSO" FOR DRYBEANS

AMIBEN® may be applied as a preemergence broadcast treatment at planting or after planting before weeds and drybeans emerge in fields where Lasso has been applied as a preplant soil incorporated treatment or a tank mixture of

AMIBEN® and Lasso may be applied as a pre-plant soil incorporated treatment.

When applied according to label directions the tank mixture or the sequential treatment of AMIBEN® plus Lasso will control all weeds listed on both the AMIBEN® and Lasso labels including nightshade, ragweed, smartweed, lambsquarters, foxtails and barnyardgrass when applied within 7 days prior to planting.

To prepare the tank mixture fill the spray tank with 1/2 to 2/3 of the required water. Keep the agitation system running and slowly add the recommended rate of Lasso indicated below. Next add the recommended rate of AMIBEN® indicated below and finally dilute to the desired volume by adding the remaining water. DO NOT mix AMIBEN® herbicide and Lasso concentrates before the addition of water as an emulsion will not be formed.

When used as a tank mixture preplant soil incorporated the AMIBEN® herbicide and Lasso

Make all broadcast treatments according to the following table:

Soil Texture	AMIBEN® QTS/A	Lasso QTS/A
Loamy sand, sandy loam	DO NOT USE	DO NOT USE
loam, silt loam, silt	4 to 5	1% to 2
silt clay loam, silty clay, sandy clay, clay loam, clay	5 to 6	2 to 2 1/2

Do not use on muck or peat soils

Before applying the tank mixture of AMIBEN® plus Lasso or AMIBEN® preemergence following Lasso preplant incorporated, read all directions

to 5 inch cut. Disc again at a different direction (angle) anytime before planting. (2) Field cultivators operating at 5 to 6 mph should be set to cut 3 to 4 inches deep. Use twice at different angles across the fields. (3) Rolling cultivators or bed conditioners (Do-All) should be set to cut 2 to 4 inches deep and operate at 6 to 8 mph or 4 to 6 mph respectively. Run equipment twice at different directions (angles) across the field. Use only on coarse, light and medium textured soils. (4) Mulch treaders or similar disc type equipment should be set to cut 3 to 4 inches. Operate at two different directions at 5 to 8 mph. (5) Power driven tillers, hoes or cultivators should be set to cut 2 to 3 inches deep. Space rotors to provide a clean sweep of the soil surface. Operate to maintain complete soil mixing. PTO equipment speed should not exceed 4 mph.

Plant and treat in the same operation. Apply at the rate of 4 to 6 quarts AMIBEN® chloramben herbicide per broadcast acre. The higher rate should be used on clay loams, clay or high

DO NOT apply more than 6 quarts per acre of AMIBEN® herbicide to the same field of sunflowers in the same season.

AMIBEN® CHLORAMBEN HERBICIDE AND "PROWL" FOR SUNFLOWERS

A tank mixture of AMIBEN® chloramben herbicide and Prowl may be applied as a preplant soil incorporated herbicide treatment or AMIBEN® herbicide may be applied as a preemergence broadcast treatment at planting time in sunflowers fields where Prowl has been applied as a preplant soil incorporated herbicide treatment. The tank mixture of AMIBEN® plus Prowl may also be applied as a preemergence broadcast treatment.

When applied according to directions, tank mixtures of AMIBEN® herbicide and Prowl herbicide either preplant incorporated or preemergence, or the sequential treatment of AMIBEN® preemergence over Prowl preplant incorporated will control fall panicum, signalgrass, Venice mallow and velvetleaf in addition to all other weeds listed on the AMIBEN® and Prowl labels.

For uniform application of the tank mixture of AMIBEN® and Prowl, use 10 to 20 gallons of water per acre with ground equipment or 3 to 5 or more gallons of water per acre by aircraft. To

ture of AMIBEN® plus Prowl should be thoroughly incorporated into the top 0 to 2 inches of soil using equipment and techniques described elsewhere on this label and on the Prowl label. When using the tank mixture preemergence, treatments should be made at planting or within 2 days after planting before weeds and sunflowers emerge.

Apply AMIBEN® herbicide at a rate of 4 to 6 quarts per broadcast acre. Apply Prowl herbicide at rates of 1.5 to 2.0 pints on soils with less than 3% organic matter and 2.0 to 2.5 pints on soils with greater than 3% organic matter. Use the higher rate of the range when heavy weed populations are anticipated. Do not use on peat or muck soils.

If sufficient rain does not fall within 7 days after preemergence treatment, but there is enough soil moisture to germinate weeds and sunflowers a light cultivation with a rotary hoe or similar tool will uproot these small weeds. The shallow mixing of the herbicides into the soil surface will not interfere with their action when rains come. If sunflower crop loss occurs due to weather conditions, sunflowers or soybeans may be replanted. If replanting is necessary, DO NOT rework the soil.

time in fields where Trellan has been applied as a preplant soil incorporated herbicide, or AMIBEN® may be applied several days prior to planting as a broadcast tank mix with Trellan. The tank mixture should be used as a spring preplant soil incorporated treatment.

The combination of AMIBEN® chloramben with Trellan improves broadleaf weed control of species such as mustard, Pennsylvania smartweed, velvetleaf and ragweed.

For broadcast treatments, incorporate chemicals immediately and thoroughly in the top 2 to 3 inches as most weeds sprout in this zone. You may incorporate with any of the following equipment: (1) Tandem disc may be used to prepare seedbed and incorporate at the same time. Operate the disc at 4 to 6 inch cut. Disc again in a different direction (angle) anytime before planting. (2) Field cultivators operating at 5 or more mph should be set to cut 3 to 4 inches deep. (3) Rolling cultivators should be set to cut 2 to 4 inches deep and operated 2 times at 6 to 8 mph on coarse and medium textured soils only. (4) Bed conditioners (Do-All) should be set to cut 2 to 4 inches deep and operated one time at 4 to 6 mph. Bed conditioners are adequate to use on coarse and medium textured soils only. (5) Mulch treaders or similar disc type equipment should be

set to cut 3 to 4 inches. Operate at two different directions at 5 to 8 mph. (6) Power driven tillers, hoes or cultivators should be set to cut 2 to 3 inches deep. Space rotors to provide a clean sweep of the soil surface. Operate to maintain complete soil mixing. PTO equipment speed should not exceed 4 mph.

In coarse textured soils heavy rains on incorporated AMIBEN® may move below the weed seed germination zone and cause erratic weed control.

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

DIRECTIONS FOR USE

Apply AMIBEN® chloramben and Treflan at the rates indicated in the table below. If mustard, common ragweed or black nightshade are present, use higher rates of AMIBEN® for best control. Do not use on muck or charcoal soils. Read and observe all directions and precautions on the AMIBEN® chloramben and Treflan labels.

Make all broadcast treatments according to the following table:

Soil Texture	AMIBEN® QTS/A	TREFLAN 4EC PTS/A
Coarse	4	1
Medium	4 to 6*	1½
Fine	4 to 6*	2

* Use the 6 quart rate if mustard, common ragweed or black nightshade is present for best control.

DIRECTIONS FOR USE ON PEANUTS

AMIBEN® AND "PREMERGE" 3 ON PEANUTS

Tank mixtures of AMIBEN® and Premerge 3 control weeds in two ways. AMIBEN® controls germinating annual grasses and broadleaf weeds while Premerge 3 is a contact herbicide and quickly burns weeds that have germinated before treatment. This tank mixture is especially effective in controlling Florida beggarweed (Desmodium Tortuosum).

DIRECTIONS FOR USE

Apply a tank mixture of AMIBEN® and Premerge 3 at a rate of 4 to 6 quarts of AMIBEN® and 4 pints of Premerge 3 per broadcast acre. When the air temperature during the day of application is expected to exceed 90°F, reduce the Premerge 3 rate to 3 pints. Apply as a ground crusting treatment when the oldest peanut plants reach the two leaf stage or when the first weeds become visible. Use enough water for thorough coverage, generally 15 or more gallons per acre.

Caution: Read thoroughly the cautionary statements and all other information appearing on labels for both AMIBEN® and Premerge 3.

DO NOT apply more than 6 quarts per acre of AMIBEN® herbicide to the same field of peanuts in the same season.

AMIBEN® AND "DYANAP" ON PEANUTS

Tank mixtures of AMIBEN® and Dyanap control weeds in two ways. AMIBEN® plus Dyanap controls many germinating and emerged seedling annual grasses and broadleaf weeds. This tank

mixture is especially effective in controlling Florida beggarweed (Desmodium tortuosum) and Smallflower Morningglory (Jacquemontia lamifolia).

DIRECTIONS FOR USE:

Apply a tank mixture of AMIBEN® and Dyanap at the rate of 4 to 6 quarts of AMIBEN® and 6 quarts of Dyanap per broadcast acre. Apply as a ground crusting treatment when the first weeds become visible and up to the time most of the peanuts are in the "Cracking stage." Use enough water for thorough coverage, generally 10 to 20 gallons per acre.

Caution: Read thoroughly the cautionary statements and all other information appearing on labels for both AMIBEN® and Dyanap.

DO NOT apply more than 6 quarts per acre of AMIBEN® herbicide to the same field of peanuts in the same season.

FOR PEANUTS IN OKLAHOMA AND NORTH TEXAS

Plant and treat in the same operation. Apply at the rate of 4 to 6 quarts AMIBEN® chloramben herbicide per broadcast acre. The higher rate should be used on clay loams, clay or high organic (3 to 8 percent) 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® herbicide, 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.

DO NOT apply more than 8 quarts per acre of AMIBEN® herbicide to the same field of peanuts in the same season.

DIRECTIONS FOR USE ON SWEET POTATOES

Apply AMIBEN® chloramben herbicide at the rate of 8 quarts per broadcast acre at planting time. For the first few 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.

DIRECTIONS FOR USE ON SQUASH AND PUMPKIN

Treat preplant incorporated or preemergence at planting time or as soon after planting as possible, before weeds and crops emerge. Follow incorporation instructions under "Directions for use for Soybeans."

In coarse textured soils, heavy rains on incorporated AMIBEN® herbicide may move it below the weed seed germination zone and produce erratic weed control.

For preemergence application, the sprayer may be mounted on the planter so that spraying and seeding are carried out in the same operation. Apply 6 quarts of AMIBEN® on lighter soils and 8 quarts of AMIBEN® on heavier or high organic soils per broadcast acre in at least 10 to 20 gallons of water. If band applications are used,

calculate the rate by dividing the band width by the row width and multiplying by 6 or 8 quarts of AMIBEN® per broadcast acre whichever is appropriate for your soil type. After squash or pumpkin emerge, use normal cultivations to control weeds that grow in strips unprotected by any chemical.

BAND TREATMENTS

Row Width	Band Width	Qts AMIBEN® Per Band Acre	
		Lighter Soils	Heavier or High Organic Soils
72 inch	14 inch	1.2	1.6
	20 inch	1.7	2.2
76 inch	14 inch	1.1	1.5
	20 inch	1.6	2.1
80 inch	14 inch	1.1	1.4
	20 inch	1.5	2.0

DIRECTIONS FOR USE ON SEEDLING ASPARAGUS

Apply 6 quarts of AMIBEN® herbicide per acre in about 10 to 20 gallons of water as soon as possible after asparagus seed is planted and before weeds emerge. Irrigation with about 1/2 inch of water after applying AMIBEN® is suggested to produce maximum weed control.

DIRECTIONS FOR USE ON LIMA BEANS

Apply 4 to 8 quarts of AMIBEN® herbicide per broadcast acre in about 10 to 20 gallons of water.

Treat preplant incorporated or preemergence at planting time or as soon after planting as possible, before weeds and lima beans emerge. Follow incorporation instructions under "Directions for use for Soybeans."

In coarse textured soils, heavy rains on incorporated AMIBEN® herbicide may move it below the weed seed germination zone and produce erratic weed control.

If band applications are used, calculate the rate by dividing the band width by the row width and multiplying by 4, 5, 6, or 8 quarts of AMIBEN® per broadcast acre whichever is appropriate for your weed problem and soil type. Mount band sprayer on planter so that spraying and seeding are carried out in the same operation. Make final adjustment on proper nozzle height when actually spraying in the field.

BAND TREATMENTS

Row Width	Band Width	Qts AMIBEN® Per Banded Acre		
		@4qt /A	@5qt /A	@6qt /A
21 inch	10 inch	1.9	2.4	2.9
26 inch	12 inch	1.8	2.3	2.8
	14 inch	2.2	2.7	3.2
30 inch	12 inch	1.6	2.0	2.4
	14 inch	1.9	2.3	2.8
36 inch	12 inch	1.3	1.7	2.0
	14 inch	1.6	1.9	2.3
38 inch	12 inch	1.3	1.6	1.9
	14 inch	1.5	1.8	2.2
40 inch	12 inch	1.2	1.5	1.8
	14 inch	1.4	1.8	2.1

NOTE: DOUBLE THE 4 quart/A amounts for application at the 8 quart/A rate on sweet potatoes and lima beans.

DIRECTIONS FOR USE ON 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.

Apply 4 quarts of AMIBEN® herbicide per acre in 10 to 20 gallons of water. For best results, plant and treat at 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® CHLORAMBEN HERBICIDE AND "ATRAZINE" BOW TANK MIXTURE

Application: Apply a tank mixture of AMIBEN® herbicide and Atrazine BOW 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® and 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 of 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. This mixture is not recommended for use on very light soils such as sands, or sandy loams.

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

STATEMENT OF PRACTICAL TREATMENT

If swallowed, call a physician or Poison Control Center. Drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

In case of skin contact, wash immediately with soap and water and remove contaminated clothing.

In case of eye contact flush with plenty of water. Get medical attention.

If inhaled, remove victim to fresh air.

DIRECTIONS FOR USE

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

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 graze treated fields of sunflowers or use these plants as livestock feeds.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water used for irrigation or domestic purposes by cleaning of equipment, or disposal of waste.

STORAGE AND DISPOSAL

Do not store near fertilizers, seed, insecticides or fungicides. Do not contaminate water, food, or feed by storage or disposal. Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state, or local procedures. Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved state and local procedures.

KEEP FROM FREEZING

If exposed to prolonged cold temperatures, place in warm storage (above 50 degrees F) for several hours. Agitate before using by inverting the container several times.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This warranty does not extend to, and the Buyer shall be solely responsible for, and all loss or damage which results from the use of this product (a) in a manner which is inconsistent with the label direction, warnings or cautions

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED ON CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.