

GENERAL INFORMATION

AMIBEN 20% GRANULAR 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
- Less bulk and weight to handle than 5%, 10% or 15% products

NOW AMIBEN 20% GRANULAR WORKS

AMIBEN 20% GRANULAR is most effective applied at planting time when spreading and planting are done in the same operation. Subsequent moisture carries the chemical to the soil where germinating weed seeds take it up and are controlled.

AMIBEN 20% GRANULAR remains active and effective for several weeks - long enough generally for crops to fill middles and shade out late season weed growth.

AMIBEN 20% GRANULAR controls the following important Annual Grass and Broadleaf Weeds:

barnyardgrass (large grass)	Echinochloa crusgalli	lan-bisquater, common	Chenopodium album
corn weed	Setaria verticillata	marestail	Fassia cubera
coffice weed (small)	Setaria exaltata	pig-weed	Amaranthus sp.
crabgrass, large (large)	Digitaria sanguinalis	purple top	Puraria ulmaria
crabgrass, smooth	Digitaria ischaemum	ragweed, common	Ambrosia artemisiifolia
foxtail, green	Setaria faberii	structure 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	Polygonum pennsylvanicum
foxtail, yellow	Setaria glauca	velvetleaf (broadleaf)	Achillea theophrasti

Band applications of AMIBEN 20% GRANULAR may be made for broadleaf weed control over the top of preplant soil incorporated grass killers.

Velvetleaf, Jimsonweeds, buffalobur, wild oats and cocklebur often germinate in soil at depths below the chemical penetration. Although populations of these weeds are reduced under normal rainfall conditions, weed seeds which germinate outside the chemical zone are not affected.

Sprouts coming from roots of established perennial weeds such as horse-nettle, hedge bindweed, nut-sedge, (nutgrass), mulweed, dogbane, quackgrass and Johnsongrass are not controlled.

DIRECTIONS

SOYBEANS

Plant and treat in the same operation. Apply at the rate of 10 to 15 pounds AMIBEN 20% GRANULAR (2 to 3 pounds acid equivalent) per broadcast acre. The higher rate should be used on clay loams, clay, or high organic (3 to 5%) mineral soils.

When band applying, mount the spreader on the packer or row wheel so that planting and spreading are done in the same operation. Proper calibration and maintenance of desired spreader 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 from soil on treated bands.

If sufficient rain does not fall within 7 days after spraying AMIBEN 20% GRANULAR 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 20% GRANULAR in the surface soil will not interfere with the action of AMIBEN 20% GRANULAR when it rains.

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

BAND TREATMENTS

Row Width	Band Width	Pounds AMIBEN 20% GRANULAR Per Banded Acre		
		@ 2 1/2% A Amiben a.e.*	@ 2 1/2% B/A Amiben a.e.	@ 3 1/2% A Amiben a.e.
23 inch	10 inch	4 lbs. 12 ozs.	5 lbs. 15 ozs.	7 lbs. 3 ozs.
28 inch	12 inch	4 lbs. 5 ozs.	5 lbs. 6 ozs.	6 lbs. 7 ozs.
	14 inch	5 lbs.	6 lbs. 4 ozs.	7 lbs. 8 ozs.
30 inch	12 inch	4 lbs.	5 lbs.	6 lbs.
	14 inch	4 lbs. 11 ozs.	5 lbs. 12 ozs.	7 lbs.
36 inch	12 inch	3 lbs. 5 ozs.	4 lbs. 3 ozs.	5 lbs.
	14 inch	3 lbs. 14 ozs.	4 lbs. 10 ozs.	5 lbs. 6 ozs.
48 inch	12 inch	3 lbs. 3 ozs.	3 lbs. 15 ozs.	4 lbs. 12 ozs.
	14 inch	3 lbs. 11 ozs.	3 lbs. 9 ozs.	5 lbs. 8 ozs.
40 inch	12 inch	3 lbs. 1 oz.	3 lbs. 13 ozs.	4 lbs. 6 ozs.
	14 inch	3 lbs. 8 ozs.	4 lbs. 6 ozs.	5 lbs. 4 ozs.

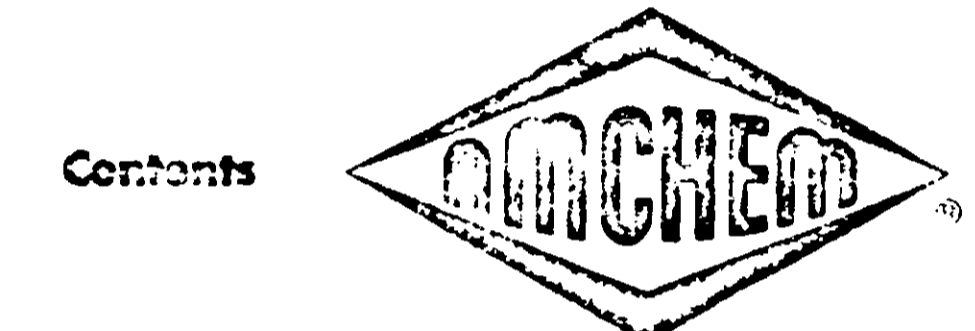
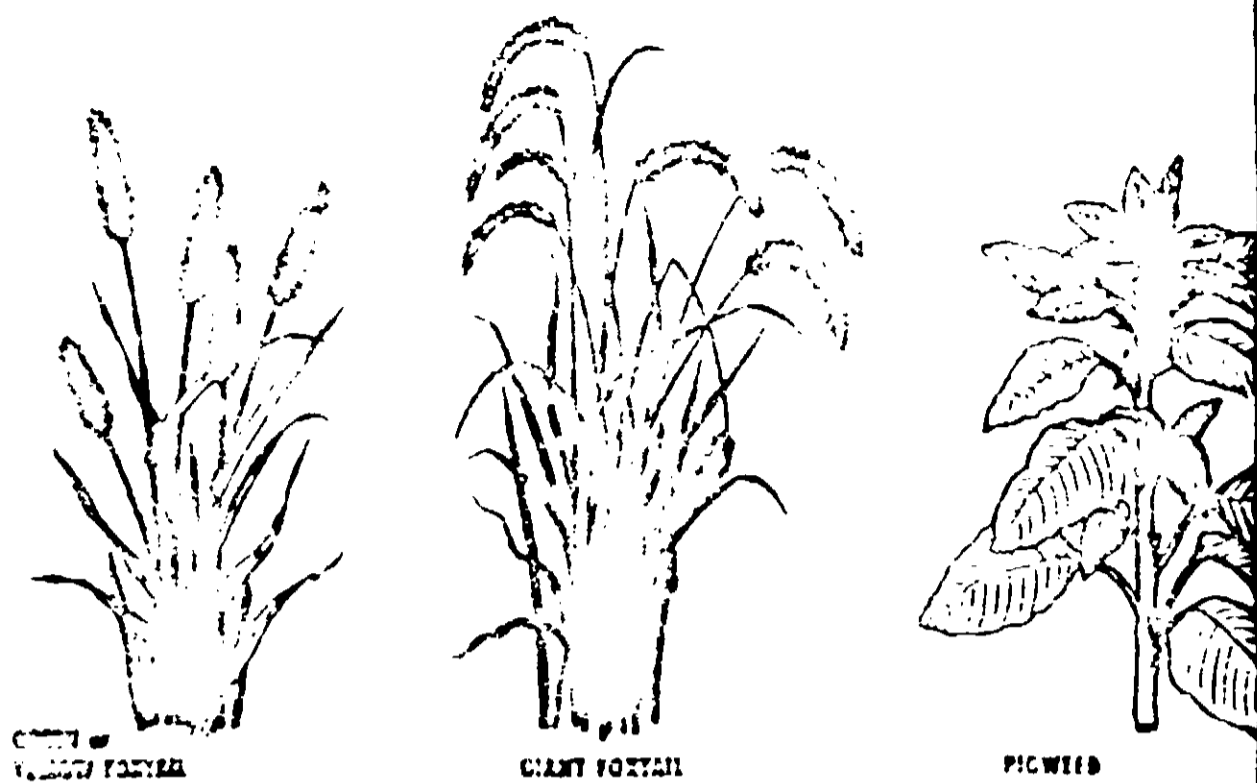
*Acid equivalent

ACCEPTED
JUL 24 1970

UNDER THE FEDERAL INSECTICIDE, FUNGICIDE AND ROBOTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. ... SUBJECT TO ATTACHED COMMENTS

19c-407e

AMIBEN 20% GRANULAR



AMIBE
20% GRANULAR
PREEMERGENCE WEED

Controls Annual Broadleaf Weeds and Annual Grasses in Soybeans

CAUTION: Keep out of reach of children. See directions on back.

ACTIVE INGREDIENTS:
 Amibenzolone (3-amino-2,5-dichlorobenzoic acid) ...
 Manganese salts of chlorambenol ...

INERT INGREDIENTS: ...
 *Total 3-amino-2,5-dichlorobenzoic acid equivalent 20% by weight

AMICHEM PRODUCTS
 Originators of 2,4-D, 2,4,5-T and Amdar
AMBLER, PA. • CLINTON, IOWA • ST. JOSEPH, MO. • FREMONT, NE.

conditions, weed seeds which germinate outside the chemical zone are not affected. Sprouts coming from roots of established perennial weeds such as horse-nettle, hedge bindweed, nut sedge (nutgrass), milkweed, dogbane, quackgrass and johnsongrass are not controlled.

DIRECTIONS

SOYBEANS

Plant and treat in the same operation. Apply at the rate of 10 to 15 pounds AMIBEN 20% GRANULAR (2 to 3 pounds and equivalent) per broadcast acre. The higher rate should be used on clay loams, clay, or high organic (3 to 5% mineral) soils.

When band applying, mount the spreader on the tractor or row wheel so that planting and spreading are done in the same operation. Proper calibration and maintenance of desired spreader height above the ground are very important. Weeds growing in the middles between 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 20% GRANULAR 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 20% GRANULAR in the surface soil will not interfere with the action of AMIBEN 20% GRANULAR when rains come.

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

BAND TREATMENTS

Row Width	Band Width	Pounds AMIBEN 20% GRANULAR Per Banded Acre		
		@ 2 1/2/A Amiben a.e.*	@ 2 3/4/A Amiben a.e.	@ 3 1/2/A Amiben a.e.
21 inch	10 inch	4 lbs. 12 ozs.	5 lbs. 15 ozs.	7 lbs. 3 ozs.
	12 inch	4 lbs. 5 ozs.	5 lbs. 6 ozs.	6 lbs. 7 ozs.
29 inch	14 inch	5 lbs.	6 lbs. 4 ozs.	7 lbs. 8 ozs.
	12 inch	4 lbs.	5 lbs.	6 lbs.
30 inch	14 inch	7 lbs. 11 ozs.	11 lbs. 13 ozs.	7 lbs.
	12 inch	3 lbs. 5 ozs.	4 lbs. 3 ozs.	5 lbs.
36 inch	14 inch	3 lbs. 14 ozs.	4 lbs. 10 ozs.	5 lbs. 6 ozs.
	12 inch	3 lbs. 3 ozs.	3 lbs. 15 ozs.	4 lbs. 12 ozs.
38 inch	14 inch	3 lbs. 11 ozs.	3 lbs. 9 ozs.	5 lbs. 8 ozs.
	12 inch	3 lbs. 1 oz.	3 lbs. 13 ozs.	4 lbs. 8 ozs.
40 inch	14 inch	3 lbs. 3 ozs.	4 lbs. 6 ozs.	5 lbs. 4 ozs.

*Amiben a.e. equivalent

CAUTION

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

Thoroughly clean hoppers and hoses of granular applicators before using to apply AMIBEN 20% GRANULAR.

Do not store near fertilizers, seeds, insecticides, or fungicides. Do not contaminate water used for irrigation or domestic purposes by cleaning equipment or disposal of waste.

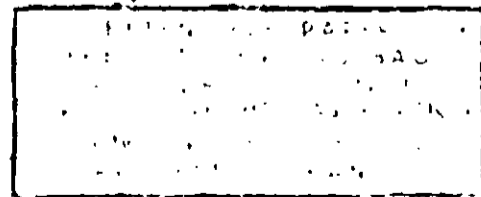
Do not reuse empty container. Destroy in a safe place not accessible to children, wildlife or livestock.

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 ingredients 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 this product, it is impossible to eliminate all risks, even though stated 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 damage arising therefrom, to accept return of the product as full discharge of Amchem's liability.

USDA Reg. No. 264-251



STACK-AIDE
POLY PLY.

BEN 20% GRANULAR

Contents



AMIBEN
20% GRANULAR
PREEMERGENCE WEED

Controls Annual Broadleaf Weeds
and Annual Grasses in Soybeans

CAUTION: Keep out of reach of children. See other cautions.

ACTIVE INGREDIENTS:

Ammonium salt of dichloroben (3-amino-2,5-dichlorobenzoic acid)
Magnesium salt of dichloroben

INERT INGREDIENTS:

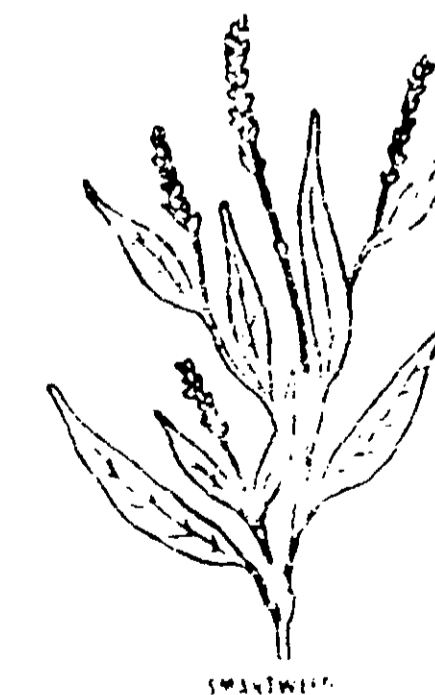
*Total 3-amino-2,5-dichlorobenzoic acid equivalent 20% by weight

AMCHEM PRODUCT
Originators of 2,4-D--2,4,5-T and

AMBLER, PA. • Clinton, Iowa • St. Joseph, Mo.



VELVET LEAF



SMARTWEED

← FRONT PANEL
actual size 16" x 30"

ACCEPTED

JUL 24 1970

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND ROBBITICIDE ACT
FOR EQUIVALENT POISON REGISTERED
ED UNDER NO. SUBJECT
TO ATTACHED COMMENT

19c-407e

AMIBEN 20% GRANULAR



GIANT FOXTAIL



GIANT FOXTAIL



PIGWEED



LAMBSQUARTERS

Contents



50 Pounds

AMIBEN[®]

20% GRANULAR PREEMERGENCE WEEDKILLER

Controls Annual Broadleaf Weeds
and Annual Grasses in Soybeans

CAUTION: Keep out of reach of children. Do not use on bark.

ACTIVE INGREDIENTS:

Ammonium salt of chloramben 2,5-dichlorobenzoic acid 5.4%
Mecoprop-pyridyl salt of chloramben 17.3%

INERT INGREDIENTS: 77.3%

*Total 3-amino 2,5-dichlorobenzoic acid equivalent 20% by weight

AMCHEM PRODUCTS, Inc.
Originators of 2,4-D-2,4,5-T and Amicide Weed Killers
AMBLER, PA. • Clinton, Iowa • St. Joseph, Mo. • Fremont, Calif.

AMIBEN 20% GRANULAR

BEN 20% GRANULAR

Contents



50 Pounds

AMIBEN[®]

20% GRANULAR PREEMERGENCE WEEDKILLER

Controls Annual Broadleaf Weeds
and Annual Grasses in Soybeans

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

ACTIVE INGREDIENTS:

Ammonium salt of chloramben (3-amino-2,5-dichlorobenzoic acid)*	5.4%
N-methylamine salt of chloramben*	17.3%

INERT INGREDIENTS:

77.3%

*Total 3-amino-2,5-dichlorobenzoic acid equivalent 20% by weight

AMCHEM PRODUCTS, Inc.
Originators of 2,4-D--2,4,5-T and Amicide Weed Killers
AMBLER, PA. • Clinton, Iowa • St. Joseph, Mo. • Fremont, Calif.



VELVET LEAF



SMARTWEED



RAGWEED

← FRONT PANEL →
actual size 16" x 30"

AMIBEN 20% GRANULAR

Photo reduced to 1/5 actual size