



# HERCULES

# NORABEN\*

**HERBAN<sup>®</sup>-AMIBEN LIQUID SLURRY MIXTURE  
FOR PRE-EMERGENCE WEED CONTROL  
IN SOYBEANS  
MIX WELL BEFORE USING**

**CAUTION: KEEP OUT OF REACH OF CHILDREN.**  
READ ENTIRE LABEL FOR ADDITIONAL HANDLING PRECAUTIONS.

ACTIVE INGREDIENTS:	% By Weight
Norea 3-(hexahydro-4,7-methanoindolizino-5-yl)-1,1-dimethylurea	12.3
Reaction products related to norea	6
Ammonium salt of Amiben (3-amino-2,5-dichlorobenzene acid)	17.5
<b>INERT INGREDIENTS</b>	<b>69.6</b>
<b>TOTAL</b>	<b>100.0</b>

Contains 12.3% by weight norea and 6% by weight reaction products, and 17.5% by weight equivalent weight of ammonium 2,5-dichlorobenzene acid.  
U.S. Patent No. 3,593,167

Harmful if swallowed.  
Avoid inhalation of spray mist.  
Avoid contamination of feed and foodstuffs.  
Keep clean. Do not get in eyes.  
Avoid contact with skin. Wash up when job is finished.  
Read back panel for use, direction, and mix and suspend completely before using or sampling.

USDA REGISTRATION NO. [REDACTED]  
1991-141

MADE BY AGRICULTURAL CHEMICALS - SYNTHETICS DEPARTMENT  
**HERCULES INCORPORATED**  
WILMINGTON, DELAWARE, U.S.A.

### WEEDS CONTROLLED

Noraben LS mixture controls the following common annual grass and broadleaf weeds: foxtails (green, giant yellow), crabgrass, barnyardgrass, fall and summer panicgrass, goosegrass, pigweed, lambsquarters, kochia, purslane, chickweed, ragweed, and smartweed.

### DIRECTIONS

**EQUIPMENT** A sprayer designed for low-volume application is recommended. Strainers finer than 50 mesh should not be used. The spray mixture should be constantly agitated. By-pass agitation is satisfactory with the pump maintaining a pressure of 30-60 pounds. Recommended spray volumes are 15-20 gallons per acre for pre-emergence broadcast sprays. Use proportional amounts for band application.

**MIXING SPRAY** Thoroughly mix Noraben LS before using. Fill the spray tank to about half the total volume of water. Start the pump to provide agitation. Add the desired amount of Noraben LS mixture. Add additional water to the desired volume with pump circulating the mixture.

**PRE-EMERGENCE WEED CONTROL IN SOYBEANS** Apply Noraben LS herbicide mixture to soil surface, either broadcast or as a band treatment at time of planting, behind the planter or before weeds and soybeans emerge.

Use 1/2 gallon Noraben LS herbicide mixture broadcast per acre on loams and silt loams. On clays and high organic soils, apply one gallon broadcast per acre. Use proportional amounts for band applications.

Plant soybeans a minimum depth of 1 1/2 inches. Do not use Noraben LS on sandy soils, loamy sands, or deep sands.

### CAUTION:

Apply only to soybeans to be harvested for the human food crop. Do not graze treated areas or use treated plants for food or forage.

Hercules warrants that this product conforms to the chemical description on the label. When used in accordance with the directions on the label, it will control the weeds listed on the label. It does not warrant that the product will control weeds not listed on the label. It does not warrant that the product will control weeds in areas where it is not registered for use.

Large seeded weeds such as morningglory, cocklebur, jimsonweed, and velvetleaf often germinate below the penetration level of the herbicide. Populations of these deep-seeded weeds are consistently reduced under normal rainfall conditions.

### PRECAUTIONS

**FOLLOWING CROPS** Herban and Amiben are gradually destroyed in the soil; however, crops other than cotton, sorghum, sugar cane, and soybeans should not be planted sooner than 5 months after treatment with this herbicide mixture to avoid possible crop injury.

**ACCURATE DOSAGE** Calibrate spray equipment, double check calculations and measurements for preparation of spray liquid. Shut off spray when turning, stopping, or slowing tractor.

**PREVENT INJURY TO OTHER CROPS OR PLANTS** Do not use this herbicide mixture on or near flowers, lawns, or other desirable plants. Prevent spray drift to other areas. Do not contaminate water in irrigation ditches or domestic water supplies. Do not store in contact with fertilizer, seeds, insecticides, or fungicides.

**CLEANING SPRAYER** Flush all parts of sprayer with several charges of fresh water promptly after job is finished. Parts such as nozzle tips and screens should first be removed and washed separately. Do not contaminate any body of water by cleaning of equipment or disposal of wastes.

**DESTROY CONTAINER** Do not reuse for any other purpose.

**KEEP OUT OF REACH OF CHILDREN.**

NET CONTENTS 5 GALLONS

 HERCULES

# NORABEN\*

40% NORABEN LIQUID CONCENTRATE MIXTURE  
FOR PRE-EMERGENCE WEED CONTROL  
IN SOYBEANS  
**MIX WELL BEFORE USING**

### WEEDS CONTROLLED

Annual broadleaf weeds, including:  
amaranth, barnyard grass, common  
lambsquarters, common ragweed,  
crabgrass, goosegrass, green  
foxtail, hairy woodcock, pigweed,  
redroot pigweed, velvetleaf, and  
wild radish.

Annual grasses, including:  
barnyard grass, common  
foxtail, green foxtail, and  
wild rice.

### DIRECTIONS

**EQUIPMENT** - Use a broadcast  
sprayer or a mechanical applicator  
with a spray nozzle. Apply to  
soybean fields in the row or  
between rows. Do not apply to  
soybean plants that are less than  
2 inches high. Do not apply to  
soybean plants that are more than  
6 inches high.

**MIXING SPRAY** - Mix 1.0 to 1.5  
pints of Noraben liquid concentrate  
mixture per acre of soybean field  
with 100 to 200 gallons of water.

**PRE-EMERGENCE WEED CONTROL IN SOYBEANS**  
Apply Noraben liquid concentrate  
mixture to soybean fields in the row  
or between rows. Do not apply to  
soybean plants that are less than  
2 inches high. Do not apply to  
soybean plants that are more than  
6 inches high.

### PRECAUTIONS

**FOLLOWING CROPS** - Do not apply  
Noraben liquid concentrate mixture  
to soybean fields in the row or  
between rows.

**ACCURATE DOSAGE** - Apply the  
correct dosage of Noraben liquid  
concentrate mixture to soybean  
fields in the row or between rows.

**PREVENT INJURY TO THE ROOTS OF SOYBEANS**  
Do not apply Noraben liquid  
concentrate mixture to soybean  
fields in the row or between rows  
if the soil is too dry.

**USE NEUL SPRAYER** - Use a  
Neul sprayer to apply Noraben  
liquid concentrate mixture to  
soybean fields in the row or  
between rows.

**DO NOT APPLY TO** - Do not apply  
Noraben liquid concentrate  
mixture to soybean fields in the  
row or between rows if the soil  
is too dry.

CAUTION