

ACCEPTED
OCT 6 - 1970
 UNDER THE FEDERAL INSECTICIDE
 FUNGICIDE AND RODENTICIDE ACT
 FOR ECONOMIC POISON REGISTERED
 E.P. UNDER NO. **13142-30**
 TO ATTACHED COMMENTS

HERCULES®
Noraben Granules

**A Granular Formulation of Herban and Amiben
 For Pre-emergence Weed Control in Soybeans**

<u>ACTIVE INGREDIENTS</u>	<u>% By Weight</u>
Norea [†] (3-(hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea)	3.8
Reaction products related to norea	0.2
*Ammonium salt of amiben (3-amino-2,5-dichlorobenzoic acid)	5.4
<u>INERT INGREDIENTS:</u>	<u>90.6</u>
TOTAL	100.0

[†]U. S. Patent No. 3,304,167
 *Contains 5% equivalent of
 3-amino-2,5-dichlorobenzoic acid.

CAUTION: KEEP OUT OF REACH OF CHILDREN.

- Read Side Panel For Use Directions And Additional Precautions.
- Wash thoroughly after handling.
- Harmful if swallowed.
- Avoid inhalation of dust.
- Do not contaminate feed or foodstuffs.
- Avoid contact with skin.
- Do not get in eyes.

BEST DOCUMENT AVAILABLE

NORABEN
 Herban 30 granular kills both annual grasses and broadleaf weeds in soybeans. Since this herbicide is applied before weed emergence and kills weeds only after root absorption, rain or sprinkler irrigation is needed for good results. Best results are obtained if this happens within 7 to 10 days after application.

38

REPTEC

10/6/70

Weeds Controlled

NORBEN

~~Herban~~ 30 granular controls the following annual grass and broadleaf weeds: foxtails (green, giant, yellow), crabgrass, barnyard grass, fall and summer panic grass, goosegrass, pigweed, lambsquarters, kochia, purslane, chickweed, and ragweed. and ^{SMALLER} amaranth.

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

BEST DOCUMENT AVAILABLE

DIRECTIONS

NORBEN

Apply ~~Herban~~ 30 granular to the soil surface after planting and before soybeans and weeds emerge (pre-emergence).

Use 20 pounds of ~~Herban~~ ^{*NORBEN*} 30 granular broadcast per acre on loam and silt loam soils. On heavier soils such as clays, clay loams and soils with high organic content, apply 30 pounds of ~~Herban~~ ^{*NORBEN*} 30 granular broadcast per acre. Use proportional amounts for band application. A band applicator can be mounted on the planter so that application and planting can be carried out in the operation.

Plant soybeans a minimum depth of 1-1/2 inches. Do not use Herban 30 granular on sandy soils, loamy sands or deep sands.

CAUTION: Apply to soybeans to be harvested for the oilseed crop. Do not graze treated areas or use treated plants for food or forage.

*Authorized By M. Woodbury By Telephone
On Sept 29, 1970*

DMR

39

ACCEPTED
10/6/70
FEDERAL INSECTICIDE
REGULATION ACT
PERSON REGISTERED
43142-30

PRECAUTIONS

Following Crops

Herban and Amiben are gradually destroyed in soil, however, crops other than cotton, sorghum, sugar cane and soybeans should not be planted sooner than five months after treatment with this herbicide.

Accurate Dosage

Carefully calibrate granular application. Mount band applicators on the planter so that band can be placed accurately above the soybean row.

Avoid Misuse

Use only as directed on this label. Do not use on crops or plants other than soybeans. Do not contaminate irrigation water or water for domestic use. Do not store in contact with fertilizer, seeds, insecticides or fungicides. Clean out applicator when job is finished. Do not contaminate water by cleaning or disposal of wastes.

Destroy Container

Burn this bag. Do not reuse for any other purpose.

KEEP OUT OF REACH OF CHILDREN.

NONWARRANTY:

BEST DOCUMENT AVAILABLE

Hercules warrants that this product conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this product is reasonably fit for its intended purpose. Since timing, method of application, weather, plant and soil conditions, mixtures with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is

HERCULES
AMIBEN
40

given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

USDA Registration No. 891-112

ACCEPTED
10/6/70
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
EPA REGISTRATION NO. 891-112
EPA ORDER NO. 13142-30

MADE BY

AGRICULTURAL CHEMICALS
SYNTHETICS DEPARTMENT
HERCULES INCORPORATED
WILMINGTON, DELAWARE, U.S.A.

BEST DOCUMENT AVAILABLE