

476-1817

11/30/1966

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Best copy available

(LABEL SPECIMEN)

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ARMOUR VERTAGARD BETASAN 4-EC

A Selective Herbicide for Pre-emergence

Control of Crabgrass and Annual

Bluegrass in Turf, ORNAMENTALS &  
GROUND COVER

ACTIVE INGREDIENT:

S-(O,C-diisopropyl phosphorodithioate) of	
N-(2-mercaptoethyl) benzenesulfonamide.....	45.2%
INERT INGREDIENTS.....	54.8%
	<u>100.0%</u>

U.S. Pat. No. 3,205,253

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Reg. T.M. of Stauffer Chemical Company

C A U T I O N

Harmful if swallowed.  
 Avoid prolonged or repeated contact with the skin.  
 Avoid contact with the eyes.  
 Avoid contamination of feed and foodstuffs, drinking water, fish ponds, etc.

TOXIC TO FISH: Do not contaminate any body of water by direct application, cleaning or equipment or disposal of wastes and containers.

KEEP OUT OF REACH OF CHILDREN

Do not use or store near heat or open flame.

Read all directions before using.

NET CONTENTS \_\_\_\_\_ GALS.

Distributed by:

Armour Agricultural Chemical Co.  
 P. O. Box 1685  
 Atlanta, Georgia

**ACCEPTED**

NOV 30 1966

UNDER THE FEDERAL INSECTICIDE  
 FUNGICIDE AND RODENTICIDE ACT  
 FOR ECONOMIC POISON REGISTER-  
 ED UNDER NO. 476-1817 SUBJECT  
 TO ATTACHED COMMENTS.

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WEEDS CONTROLLED

Smooth Crabgrass

Hairy Crabgrass

Annual Bluegrass (Poa annua)

Redroot Pigweed

Watergrass

Lambsquarters

Shepardspurse

Goosegrass

Deadnettle

GENERAL USE PRECAUTIONS

Armour Vertagard Betasan 4-EC should only be used for recommended uses and at recommended rates.

Apply where there is little or no wind to avoid drift.

Clean up spills on walks or patios by covering with dry soil or absorptive material. Bury sweepings and hose area.

Do not allow children or pets on treated lawns until Armour Vertagard Betasan 4-EC has been watered into the soils and grass is completely dry.

APPLICATION OF ARMOUR VERTAGARD BETASAN 4-EC MUST PRECEDE EMERGENCE OF CRABGRASS, ANNUAL BLUEGRASS, AND OTHER ANNUAL WEEDS FROM THE SOIL. Crabgrass will emerge from the soil from four to six weeks before it is visible above the lawn sod. If weeds are visible above the soil, it is too late to apply Armour Vertagard Betasan 4-EC. Remove leaves, dead or tall grass, and other debris before applying Armour Vertagard Betasan 4-EC.

Do not apply peat moss to lawn before treating with Armour Vertagard Betasan 4-EC.

TIMING OF APPLICATION  
GENERAL COMMENTS

GRASS LAWNS: ARMOUR VERTAGARD BETASAN 4-EC should be applied only to well-established grass lawns. Armour Vertagard Betasan 4-EC can be used on the following established turf grasses:

- |                |                    |
|----------------|--------------------|
| BAHIA          | PENSACOLA          |
| BENTGRASS SPP. | PERENNIAL RYEGRASS |
| BERMUDAGRASS   | POA TRIVIALIS      |
| BLUEGRASS SPP  | ST. AUGUSTINE      |
| CENTIPED       | RED TOP            |
| FESCUE SPP.    | ZOYZIA             |

*Armour Vertagard*  
DICHONDRA LAWNS: <sup>4-EC</sup> BETASAN can be applied to dichondra lawns at the time of seeding or any time thereafter.

*Armour Vertagard*  
ORNAMENTALS AND GROUND COVERS: <sup>4-EC</sup> BETASAN should be applied only to the following well established ornamentals and ground covers.

- |                   |                  |                 |
|-------------------|------------------|-----------------|
| Alyssum           | Coral Bell       | Stock           |
| Aster             | Daisy            | Sweet Pea       |
| Bachelor's-Button | Marigold         | Wall Flower     |
| Calendula         | Pansy            | Zinnia          |
| Candy-Tuft        | Primrose         |                 |
| Daffodil          | Gladiolus        | Ranunculus      |
| Dahlia            | Narcissus        | Tulip           |
| Freesia           |                  |                 |
| Abelia            | Juniper          | Pyracantha      |
| Azalea            | Monterey Cypress | Sandankwa       |
| Azara             | Monterey Pine    | Star Jasmine    |
| Boxwood           | Myrtle           | Tobira          |
| Daphne            | Privet           | Xylosand        |
| Holly             |                  |                 |
| Ajuga             | Hypericum        | Periwinkle      |
| Campanula         | Tree Plant       | Sedum           |
| Festuca           | Ivy              | Wild Strawberry |
| Gazania           | Pachysandra      |                 |

*Armour Vertagard*  
For control of CRABGRASS, apply <sup>4-EC</sup> BETASAN at the recommended rate (See "RATES OF APPLICATION") in the late winter or early spring, depending on the location and seasonal conditions.

*Vertagard*  
For control of ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS, apply *Armour* BETASAN <sup>4-EC</sup> at the recommended rate (See "RATES OF APPLICATION") before the weeds emerge from the soil. Consult ~~local agents~~ *State Agricultural Experiment Station or Garden Authorities* for specific information as the timing of application will vary with local conditions.

*Weed Specialists*

(4) In southern or western states where germination of crabgrass, annual bluegrass and other annual weeds extends into the late summer and early fall, a second application of <sup>Armour Vertagard</sup> BETASAN<sup>4-EC</sup> at the recommended rates should be made 4 to 5 months after the initial application. 4/4

Armour Vertagard Betasan 4-EC should be applied with spray equipment that will provide uniform application such as a knapsack sprayer, hose proportioner, or pressure sprayer.

Sprinkle with water for 10 to 15 minutes after application to wash the Armour Vertagard Betasan 4-EC off the grass and down into the soil where the weed seeds are located.

#### RATES OF APPLICATION

CRABGRASS: Apply one gallon of Armour Vertagard Betasan 4-EC in 40-50 gallons of water uniformly on 17,400 sq. ft.

ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS: Apply one gallon of Armour Vertagard Betasan 4-EC in 40-50 gallons of water uniformly on 13,900 sq. ft.

#### RESEEDING

Any material that provides effective control of annual grasses may affect new lawn grass seedlings which germinate after treatment. Proper fertilization and watering will encourage the existing turf grass to fill in the thin or bare spots formerly occupied by crabgrass.

The following procedures are suggested in order to minimize any stunting of turf grasses which may occur when reseeding into Armour Vertagard Betasan 4-EC treated areas:

1. Do not reseed within four months after application.
2. Renovate the area to be reseeded by raking thoroughly and mix sterilized (weed-free) organic mulch (50-50 by volume) into the top two inches of soil.

NOTICE: Armour Agricultural Chemical Company can accept no responsibility for injury to persons or animals or for loss or damage to turf, soil, or other property resulting from failure to follow directions for use or to observe cautions printed on this label.