



BETASAN® 12.5 GRANULES

For use on Grass, Ornamentals, Annuals and Perennials, Dichondra, Ground Covers, Bulbs.

- 1 Prevents crabgrass, poa annua, and certain other weeds in grass or dichondra lawns.
- 2 Prevents certain annual grasses and weeds in ground covers, annual and perennial beds, bulbs, trees and shrubs.

(see back panel for full instructions)

ACTIVE INGREDIENT:

S-(O, O-diisopropyl phosphorodithioate) of N-(2-mercaptoethyl) benzenesulfonamide..... 12.5%

INERT INGREDIENTS:..... 87.5%

*Betasan® registered trademark of Stauffer Chemical Co

TOTAL 100.0%

U.S. Patent No. 3,205,253 - 3,208,819

E.P.A. Reg. No. 7001-210-AA

E.P.A. Est. No. 7001-CA-1

CAUTION

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed.

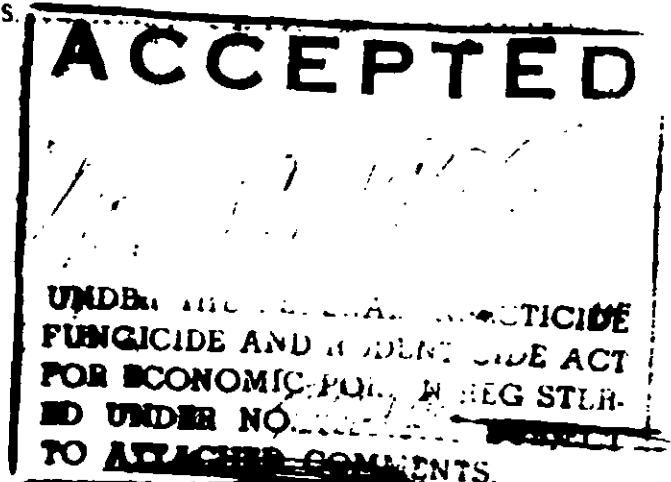
Use only in accordance with label directions.

Avoid contact with skin, eyes, and clothing.

Keep pets and children off treated areas until material has been washed into soil and lawn is dry.

In case of contact with skin or eyes, flush with plenty of water. For eyes get medical attention. Wash hands with soap and water after handling and before eating or smoking. Wash clothing.

Do not apply directly on vegetables, fruits or crops. Do not reuse container. Destroy when empty. Sweep up spills on walks or patios and hose areas. Avoid contamination of food, feed, drinking water and fish ponds. This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.



NON-WARRANTY: Seller makes no warranty, express or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions. Because the time, place, rate of application and other conditions are beyond seller's control, seller's liability for the handling and use of this product is limited to replacement of product or refund of purchase price. Return unused portions of bag to your BEST dealer for refund if not satisfied with results.

OCCIDENTAL CHEMICAL COMPANY

P. O. BOX 198 • LATHROP, CALIFORNIA 95330 • PHONE (209) 858-2511

DESCRIPTION

Best Betasan® 12.5 Granules are recommended for use on parks, golf courses, home lawns, groundcovers, bulbs, annuals and perennials, trees, and shrubs listed below. This product is a selective pre-emergence weed control for the listed weeds. Weeds controlled are:

Smooth Crabgrass	Barnyardgrass	Annual Bluegrass
Hairy Crabgrass	Lambsquarters	Shepherdspurse
Redroot pigweed	Goosegrass	Henbit

Many lawns are either pure dichondra or a mixture of grass and dichondra. Established turf plants tolerant to this product are:

Dichondra	Centipede grass	St. Augustine
Bentgrass	Fescues	Redtop
Bermudagrass	Perennial Ryegrass	Zoysia
Perennial Bluegrass	Poa Trivialis	Mixtures of these

ORNAMENTALS and Ground Covers tolerant* to this product are:

Annuals and Perennials		Bulbs		Trees and Shrubs		Ground Covers
Alyssum	Primrose	Daffodil	Abelia	Privet	Ajuga	
Aster	Stock	Dahlia	Azalea	Pyracantha	Campanula	
Calendula	Sweet Pea	Freesia	Azara	Viburnum	Festuca	
Candytuft	Wall Flower	Gladiolus	Boxwood	Pittosporum	Gazania	
Coral Bell	Zinnia	Narcissus	Daphne	Xylosma	Hypericum	
Daisy		Ranunculus	Holly		Iceplant	
Marigold		Tulip	Juniper		Ivy	
Pansy			Monterey Cypress		Pachysandra	
			Monterey Pine		Periwinkle	
			Myrtle		Star Jasmine	
					Wild Strawberry	
					Sedum	

*APPLY ONLY ON WELL ESTABLISHED PLANTINGS

WHEN TO USE

1. **CRABGRASS CONTROL:** Application may be made anytime after crabgrass goes to seed in September up to the end of March. This treatment will also control Goosegrass, Watergrass, Lambsquarters and Redroot Pigweed. In Southern and Western States where germination of Crabgrass, Annual Bluegrass and other weeds extends into late summer and early fall, a second application at the recommended rate should be made 4 - 5 months after the initial application.
2. **ANNUAL BLUEGRASS and SHEPHERDSPURSE:** Apply before germination starts. In cooler coastal areas make first application starting August 1st. Inland areas from September 1st.
3. **ORNAMENTALS, BULBS, GROUNDCOVERS:** Apply in early spring before weed growth starts. May also be used after cultivation to prevent regrowth of weeds.

DIRECTIONS FOR USE

1. Application must be made before weed growth begins. This product will not kill established growing weeds.
2. Carefully measure area to be treated. Use only at recommended rates.
3. **RATES OF APPLICATION:**
CRABGRASS: Apply 80 pounds of BETASAN® 12.5 Granules uniformly on one acre (40 pounds per one-half acre; 1.9 pounds per 1,000 sq. ft.)
ANNUAL BLUEGRASS, GOOSEGRASS AND OTHER ANNUAL WEEDS: Apply 100 pounds of BETASAN® 12.5 Granules uniformly on one acre (50 pounds per one-half acre; 2.4 pounds per 1,000 sq. ft.)
4. Check spreader for accuracy. Apply evenly at recommended rate. Be careful to avoid skips and misses.
5. Water immediately for 10-15 minutes to wash material into the soil where weed seeds are located.
6. Keep children and pets off of treated area until material has been washed off of leaf surfaces and blades are dry.

ESTABLISHED GRASS OR DICHONDRA: BETASAN® 12.5 Granules may be applied by any other applicator that will give uniform coverage. A more uniform coverage may be obtained by applying half of the required amount of BETASAN® 12.5 Granules over the area at right angles or crosswise. Avoid misses by over-lapping.

DESIRED RATE

SPREADER*	100# / acre (2.4# / 1000 sq. ft.)	
	Once Over	Twice Over
Ward's Model No. 89-1081	3	2 1/4
Lawn Beauty No. 6824	3	1 3/4
Sears' Model No. 1919	3 1/4	2
Central Model No. 1622-E (Imperial Mark)	4 1/4	3 1/4
Scott's Model No. 35	3 1/2	2 1/2

*NOTE: Individual spreaders may vary after being in use for a long time or in a new condition.

DICHONDRA LAWNS - PREPLANT: Apply at the time dichondra is planted. This will reduce weed competition.

ORNAMENTALS, GROUNDCOVERS, BULBS: Apply at the time of planting. Wash material off of foliage and into soil immediately.

Cyclone Shoulder Spreader

Whirlybird

RESEEDING: Any material that provides effective control of annual weeds which germinate after treatment. Proper fertilization and water in the thin or bare spots formerly occupied by crabgrass. The following procedures are suggested in order to minimize weed competition when re-seeding into BETASAN® 12.5 Granules areas:

1. Do not reseed within 4 months after application. Renovate lawn by scarifying the soil surface. Where practical, mix peat in with the soil.
2. When turf diseases or physiological disorders necessitate a new lawn, apply BETASAN® 12.5 Granules application, apply powdered activated charcoal at a rate of 7 pounds per 1,000 sq. ft. (300 pounds per acre in 600 gallons of water per acre). Following application, irrigate the turf with sufficient water to moisten the soil sooner than 7 days after applying the charcoal.

NET WEIGHT 50 LBS.



BETASAN® 12.5 GRANULES

s Ornamentals, Annuals and
ono, a. Ground Covers, Bulbs.

other weeds in grass or dichondra lawns
n ground covers, annual and perennial beds, bulbs, trees and

12.5%
87.5%
Chemical Co
TOTAL 100.0%

DESCRIPTION

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Hairy Crabgrass	Lambsquarters	Shepherdspurse
Redroot pigweed	Goosegrass	Henbit

Many lawns are either pure dichondra or a mixture of grass and dichondra. Established turf plants tolerant to this product are:

Dichondra	Centipede grass	St. Augustine
Bentgrass	Fescues	Redtop
Bermudagrass	Perennial Ryegrass	Zoysia
Perennial Bluegrass	Poa Trivialis	Mixtures of these

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Annuals and Perennials		Bulbs	Trees and Shrubs		Ground Covers
Alyssum	Primrose	Daffodil	Abelia	Privet	Ajuga
Aster	Stock	Dahlia	Azalea	Pyracantha	Campanula
Calendula	Sweet Pea	Freesia	Azara	Viburnum	Festuca
Candytuft	Wall Flower	Gladiolus	Boxwood	Pittosporum	Gazania
Coral Bell	Zinnia	Narcissus	Daphne	Xylosma	Hypericum
Daisy		Ranunculus	Holly		Iceplant
Marigold		Tulip	Juniper		Ivy
Pansy			Monterey		Pachysandra
			Cypress		Periwinkle
			Monterey		Star Jasmine
			Pine		Wild Strawberry
			Myrtle		Sedum

*APPLY ONLY ON WELL ESTABLISHED PLANTINGS

WHEN TO USE

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- ANNUAL BLUEGRASS and SHEPHERDSPURSE:** Apply before germination starts. In cooler coastal areas make first application starting August 1st. Inland areas from September 1st.
- ORNAMENTALS, BULBS, GROUNDCOVERS:** Apply in early spring before weed growth starts. May also be used after cultivation to prevent regrowth of weeds.

DIRECTIONS FOR USE

- Application must be made before weed growth begins. This product will not kill established growing weeds.
- Carefully measure area to be treated. Use only at recommended rates.
- RATES OF APPLICATION:**
CRABGRASS: Apply 80 pounds of BETASAN® 12.5 Granules uniformly on one acre (40 pounds per one-half acre; 1.9 pounds per 1,000 sq. ft.)
ANNUAL BLUEGRASS, GOOSEGRASS AND OTHER ANNUAL WEEDS: Apply 100 pounds of BETASAN® 12.5 Granules uniformly on one acre (50 pounds per one-half acre; 2.4 pounds per 1,000 sq. ft.)
- Check spreader for accuracy. Apply evenly at recommended rate. Be careful to avoid skips and misses.
- Water immediately for 10-15 minutes to wash material into the soil where weed seeds are located.
- Keep children and pets off of treated area until material has been washed off of leaf surfaces and blades are dry.

ESTABLISHED GRASS OR DICHONDRA: BETASAN® 12.5 Granules should be applied with a lawn spreader or any other applicator that will give uniform coverage. A more uniform application can be made by spreading half of the required amount of BETSAN® 12.5 Granules over the area to be treated, then applying the remainder at right angles or crosswise. Avoid misses by over-lapping slightly.

DESIRED RATE OF APPLICATION:

SPREADER*	100# / acre (2.4# / 1000 sq. ft.)		80# / acre (1.9# / 1000 sq. ft.)	
	Once Over	Twice Over	Once Over	Twice Over
Ward's Model No. 89-1081	3	2 1/4	2 3/4	2
Lawn Beauty No. 6824	3	1 3/4	2 1/2	1 1/4
Sears' Model No. 1919	3 1/4	2	2 3/4	1 1/2
Central Model No. 1622-E (Imperial Mark)	4 1/4	3 1/4	3 3/4	2 1/2
Scott's Model No. 35	3 1/2	2 1/2	3 1/4	2

*NOTE: Individual spreaders may vary after being in use for a time. These settings are normal for spreaders in new condition.

DICHONDRA LAWNS - PREPLANT: Apply at the time dichondra is planted at the rate suggested for established dichondra. This will reduce weed competition.

ORNAMENTALS, GROUNDCOVERS, BULBS: Apply at the rate of 2.4 lbs./1000 sq. ft. with a broadcast spreader. Wash material off of foliage and into soil immediately after application. Suggested spreader settings:

Cyclone Shoulder Spreader	3
Whirlybird	4

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 re-seeding into BETASAN® 12.5 Granules areas:

- Do not reseed within 4 months after application. Renovate the area to be reseeded by raking thoroughly to scarify the soil surface. Where practical, mix peat in with the soil to provide an optimum seed bed.
- When turf diseases or physiological disorders necessitate reseeding sooner than 4 months after BETSAN® 12.5 Granules application, apply powdered activated charcoal prior to reseeding to deactivate the BETSAN® 12.5 Granules. Apply the activated charcoal at a rate of 7 pounds in 14 gallons of water per 1,000 square feet (300 pounds per acre in 600 gallons of water per acre).
Following application, irrigate the turf with sufficient water to wash the charcoal into the soil. Reseed no sooner than 7 days after applying the charcoal.

NET WEIGHT 50 LBS.

(GL-20) 10/75

CAUTION

REACH OF CHILDREN

Material has been washed into soil and lawn is dry.
Quantity of water. For eyes get medical attention. Wash hands with
or smoking. Wash clothing.

Do not reuse container. Destroy when empty. Sweep up
contamination of food, feed, drinking water and fish ponds
lakes or ponds. Do not apply where runoff is likely to occur. Do
not contaminate water by cleaning of

ACCEPTED

7001-210
GENERAL PESTICIDE
AND RODENT SIDE ACT
OMIC-POLYMER REG STLR
NO
COMMENTS.

Do not use or implied concerning the use of this product other than
use and/or handling of this material when such use and/or
the time, place, rate of application and other conditions are
handling and use of this product is limited to replacement of
used portions of bag to your BEST dealer for refund if not

CHEMICAL COMPANY

95330 . PHONE (209) 858-2511