

CLICK HERE TO JUMP TO USE DIRECTIONS



PRE-SAN[®] GRANULAR 7G

Granular Selective Herbicide for Preemergent Control of Crabgrass and Annual Bluegrass in Turfgrass.

ACTIVE INGREDIENT:

Bensulide: S-(0,0-Diisopropyl phosphorodithioate) ester of N-(2-mercaptoethyl) benzenesulfonamide 7.0%
INERT INGREDIENTS: 93.0%
 100.0%

Contains 7 pounds of bensulide per 100 pounds.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See below for additional Precautionary Statements.

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 EPA REG. NO. 10163-204-2217

Distributed By
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READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

Wash thoroughly with soap and water after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators using a push type spreader and all loaders must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate or viton ≥ 14 mil
- Chemical resistant footwear plus socks
- A NIOSH-approved respirator with any N², R, P, or HE filter.

All other applicators and handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate or viton ≥ 14 mil
- Shoes plus socks
- In addition to the above, for-hire applicators (non-golf-course employees) must wear a NIOSH-approved respirator with a N², R, P, or HE filter (due to risk from repeated exposures) when applying this product to golf courses.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This chemical is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from the treated area.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

This product may impair reproduction in birds if used during the breeding season.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes, golf courses, lawns and grounds.

This product may only be applied by tractor-drawn spreader or by push type spreader.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in a cool dry place. Avoid contamination of food, feed, or domestic animal water supplies.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

FIRST AID Organophosphate Insecticide	
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
<p>HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-888-478-0798 for emergency medical treatment information.</p>	
<p>NOTE TO PHYSICIAN: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.</p>	

GENERAL USE PRECAUTIONS AND RESTRICTIONS

ENTRY RESTRICTIONS

IMPORTANT: THIS PRODUCT WILL NOT WORK UNLESS IT IS WATERED IN FOR 10-15 MINUTES FOLLOWING APPLICATION. FOR SAFETY REASONS, WATER THIS PRODUCT IN AS SOON AS POSSIBLE FOLLOWING APPLICATION FOR 10-15 MINUTES AND DO NOT ALLOW CHILDREN OR PETS ON TREATED AREAS UNTIL DRY FOLLOWING THE WATERING.

APPLICATION RESTRICTIONS

WATERING-IN MUST BE PERFORMED BY THE COMMERCIAL APPLICATOR OR THE COMMERCIAL APPLICATOR MUST PROVIDE THE ABOVE WATERING-IN INSTRUCTIONS TO THE RESIDENT IN WRITING USING BOLD FACE TYPE AND/OR RED PRINT OR OTHER METHODS TO ENSURE THE WARNING IS PROMINENTLY DISPLAYED ON THE MATERIAL PROVIDED TO THE RESIDENT.

Do not apply this product in a way that will contact workers or other persons. For use only on golf courses (greens, tees and bentgrass fairways only) and on residential lawns. Do not use on parks, recreational areas, or other public sites. Applications on bentgrass fairways is limited to following states: OH, PA, NY, MI, CT, MA, IN, IL, NJ, WV, MN, WI, VT, NH, RI, DE, MD, VA). Applications on bentgrass fairways may only be made in the fall and are limited to one application per year. Applications to greens and tees are limited to two per year.

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT. PRE-SAN GRANULAR 7G should be used only for EPA-registered sites and at specified use rates. Do not allow children or pets on treated lawn until PRE-SAN GRANULAR 7G has been watered into the soil and grass is completely dry. PRE-SAN GRANULAR 7G is recommended for use on mineral soils only. Do not apply peat moss to lawn before treating with PRE-SAN GRANULAR 7G.

PRODUCT INFORMATION

PRE-SAN GRANULAR 7G is recommended for use on home lawns and golf courses for control of crabgrass, annual bluegrass and other annual weeds listed.

Application of PRE-SAN GRANULAR 7G must precede emergence of weeds from the soil. Crabgrass will emerge from the soil from four to six weeks before it is visible above lawn sod. If weeds are visible above the soil, it is too late to apply PRE-SAN GRANULAR 7G.

Remove leaves, dead or tall grass, and other debris before applying PRE-SAN GRANULAR 7G to turfgrass.

WEEDS CONTROLLED

Smooth crabgrass (*Digitaria ischaemum*)
Large crabgrass (*Digitaria sanguinalis*)
Redroot pigweed (*Amaranthus retroflexus*)
Barnyardgrass (Watergrass) (*Echinochloa crus-galli*)
Lambsquarters (*Chenopodium album*)
Goosegrass (*Eleusine indica*)
Annual bluegrass (*Poa annua*)
Shepherdspurse (*Capsella bursa-pastoris*)
Deadnettle (Henbit) (*Lamium spp.*)

APPLICATION INSTRUCTIONS

The most effective program for control of crabgrass, goosegrass, annual bluegrass and other annual weeds is one specifically designed for local conditions. Two or more applications per year may be necessary, using the recommended rates given below for a particular weed problem. For additional information regarding timing and rate of application, consult weed specialists of the State Agricultural Extension Service or the State Agricultural Experiment Station.

GRASS LAWNS: PRE-SAN GRANULAR 7G should be applied to well established lawns only. PRE-SAN GRANULAR 7G can be used on the following established turf grasses:

Bahiagrass	Pensacola bahiagrass
Bentgrass spp.	Perennial ryegrass
Bermudagrass spp.	Roughstalk bluegrass (<i>Poa trivialis</i>)
Perennial bluegrass spp.	St. Augustinegrass
Centipedegrass	Redtop
Fescue spp.	Zoysiagrass

PRE-SAN GRANULAR 7G has been used safely on many bentgrass cultivars. Since all cultivars have not been evaluated the user is urged to test the product on new cultivars with caution and on a small scale basis.

DICHONDRA LAWNS: PRE-SAN GRANULAR 7G can be applied to dichondra lawns at the time of seeding or any time thereafter.

For control of crabgrass, apply PRE-SAN GRANULAR 7G at the recommended rate any time from fall (September or October) through early spring, for spring and summer control. With a late winter or an early spring application, the application must be made prior to crabgrass emergence.

For control of annual bluegrass and other annual weeds, apply PRE-SAN GRANULAR 7G at the recommended rate before the weeds emerge from the soil.

When the germination of crabgrass, annual bluegrass and other weeds extends into the late summer and early fall, a second application of PRE-SAN GRANULAR 7G at the recommended rate should be made four to five months after the initial application.

PRE-SAN GRANULAR 7G should be applied with a lawn spreader or other granular equipment that provides uniform distribution or coverage. Uniform applications can be made by spreading one-half the required amount of PRE-SAN GRANULAR 7G over the area to be treated. Then, apply the remainder at right angles or perpendicular to the pattern of the first application.

APPLICATION RATES

Apply a maximum of 357 pounds of PRE-SAN GRANULAR 7G per acre per year in two or more applications depending on the weed species and degree of infestations. Or, the equivalent maximum rate is 8.2 pounds of PRE-SAN GRANULAR 7G per 1,000 sq. ft. per year.

If weed specialists are unavailable to provide specific local recommendations, follow these directions:

CRABGRASS ONLY: Apply uniformly 107-143 pounds of PRE-SAN GRANULAR 7G per acre. Or, apply 2.4-3.2 pounds of PRE-SAN GRANULAR 7G per 1,000 sq. ft.

ANNUAL BLUEGRASS, GOOSEGRASS AND OTHER ANNUAL WEEDS: Apply uniformly 180 pounds of PRE-SAN GRANULAR 7G per acre. Or, apply 4.1 pounds of PRE-SAN GRANULAR 7G per 1,000 sq. ft.

When a weed control program involves 2-3 applications of PRE-SAN GRANULAR 7G for crabgrass, goosegrass and annual bluegrass, the rate of application for goosegrass and annual bluegrass may be reduced to 107-143 pounds of PRE-SAN GRANULAR 7G per acre with the higher rate for heavier infestation.

Application rates per acre recommended for PRE-SAN GRANULAR 7G

Application Schedules	Amounts of Product, Pounds per Acre	
	Crabgrass only	Annual bluegrass, barnyardgrass, fall panicum, foxtails, and other annual weeds
Single application	107 - 143	180
Sequential applications	107 - 143	107 - 143

Application rates per 1,000 sq. ft. recommended for PRE-SAN GRANULAR 7G

Application Schedules	Amounts of Product, Pounds per 1,000 sq. ft.	
	Crabgrass only	Annual bluegrass, barnyardgrass, fall panicum, foxtails, and other annual weeds
Single application	2.4 - 3.2	4.1
Sequential applications	2.4 - 3.2	2.4 - 3.2

Sprinkle or irrigate the treated area with water for 10-15 minutes after application to wash the PRE-SAN GRANULAR 7G into the soil.

PRE-SAN GRANULAR 7G SPREADER SETTINGS

Make of Spreader	Rate Per Acre	Rate Per 1,000 Sq. Ft.	Settings With 1 Trip Per Application	Pattern Width
Earthway	107 lbs.	2.4 lbs.	10 + 1 notch	7 ft.
	180 lbs.	4.1 lbs.	12 + 3 notches	7 ft.
Scott's	107 lbs.	2.4 lbs.	G to H	9 ft.
	180 lbs.	4.1 lbs.	I to J	9 ft.
Lesco	107 lbs.	2.4 lbs.	G-2	9 ft.
	180 lbs.	4.1 lbs.	I-1	9 ft.
Spiker	107 lbs.	2.4 lbs.	3.3	7 ft.
	180 lbs.	4.1 lbs.	4.0	7 ft.

SPREADER SETTINGS FOR TWO TYPES OF EQUIPMENT

Spreader Type	Rate Per Acre	Rate Per 1,000 Sq. Ft.	Settings With 1 Trip Per Application	Settings With 2 Trips Per Application	Pattern Width
Cyclone	107	2.4	3.3	3	6½ ft.
	180	4.1	3.8	3.5	6½ ft.
Scott's	107	2.4	2.8	2.2	20 inches
	180	4.1	3.9	3.1	20 inches

RESEEDING

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

The following procedures are suggested in order to minimize any stunting of turfgrasses which may occur when reseeding into PRE-SAN GRANULAR 7G treated areas:

1. Do not reseed within 4 months after application.
2. 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 seedbed.
3. When turf diseases or physiological disorders necessitate reseeding sooner than 4 months after PRE-SAN GRANULAR 7G application, apply powdered activated charcoal prior to reseeding to deactivate the bensulide.
4. Apply the activated charcoal at a rate of 7 pounds per 1,000 square feet in 14 gallons of water. Or, the equivalent rate is 300 pounds of activated charcoal per acre in 600 gallons of water.
5. Following application, irrigate the turf with sufficient water to wash the charcoal into the soil.
6. Reseed no sooner than 7 days after applying the charcoal.

NOTICE ON CONDITIONS OF SALE

Our recommendations for use on this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, express or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

SPREADER SETTINGS
PRE-SAN GRANULAR 7G
LABEL