

2217-778

7/16/2002

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ACCEPTED
JUL 16 2002
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 2217-778

PRE-SAN® 7G

ACTIVE INGREDIENT:

Bensulide: S-(O,O-diisopropyl phosphorodithioate) ester of N-(2-mercapto)benzenesulfonamide* 7.00%

INERT INGREDIENTS: 93.00%

TOTAL 100.00%

This Product Contains 7 Lb. of Active Ingredient Per 100 Lb.

*Licensed under U.S. Patent No. 3,205,253; 3,298,819

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

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 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 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
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 lens, if present, after the first five minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information in case of emergency call toll free 1-877-800-5556.

NOTE TO PHYSICIAN: Exposure to the active ingredient may cause cholinesterase inhibition. Atropine by injection is antidotal. 2-PAM (Protopam Chloride) is also antidotal when administered early and in conjunction with atropine.

See back panel for Precautionary Statements.

NET WEIGHT: LBS.

626/ APxxxxxx
 EPA REG. NO. 2217-778
 EPA EST. NO. 34704-NB-01

MANUFACTURED BY:



Telephone: 800-821-7925



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

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE):

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

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves Category A, such as butyl rubber ≥ 14 mils, or natural rubber ≥ 14 mils, or neoprene rubber ≥ 14 mils or nitrile rubber ≥ 14 mils.
- Chemical resistant footwear plus socks
- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P or HE filter.

All other applicators and handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves Category A, such as butyl rubber ≥ 14 mils, or natural rubber ≥ 14 mils, or neoprene rubber ≥ 14 mils or nitrile rubber ≥ 14 mils.
- Shoes plus socks

In addition to the above, for-hire applicators (non-golf course employees) must wear a NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P or HE filter (due to risk from repeated exposures) when applying this product to golf courses.

User Safety Requirements:

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

Engineering Control Statements:

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

Users should:

- ◆ 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 cleaning equipment or disposing of equipment washwater.

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.

STORAGE & DISPOSAL

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

PESTICIDE 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.

General Precautions and Restrictions:

IMPORTANT: THIS PRODUCT WILL NOT WORK UNLESS IT IS WATERED IN FOR 10-15 MINUTES. FOR SAFETY REASONS, WATER THIS PRODUCT IN AS SOON AS POSSIBLE FOLLOWING APPLICATION FOR 10-15 MINUTES

ENTRY RESTRICTIONS:

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 RESIDENTS 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 people or pets.
- 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 the following states: OH, PA, NY, MI, CT, MA, IN, IL, NJ, WV, MN, WI, VT, NH, RI, DE, MD, VA. Application 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.
- Restricted to tractor drawn or push spreader, cannot be applied aerially.
- Pre-San® 7G is recommended for use on mineral soils only.
- Do not allow this product to drift.

PRODUCT INFORMATION

Pre-San[®] 7G is recommended for use on home lawns and golf courses for annual control of crabgrass, annual blugrass, and other annual weeds listed.

Application of Pre-San[®] 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[®] 7G.

Remove leaves, dead or tall grass, and other debris before applying Pre-San[®] 7G to turfgrass.

WEEDS CONTROLLED	
Annual bluegrass	(<i>Poa annua</i>)
Barnyardgrass	(Watergrass) (<i>Echinochloa spp.</i>)
Deadnettle	(Henbit) (<i>Lamium spp.</i>)
Fall panicum	(<i>Panicum dichotomiflorum</i>)
Foxtails	(<i>Setaria spp.</i>)
Goosegrass	(<i>Eleusine indica</i>)
Large crabgrass	(<i>Digitaria sanguinalis</i>)
Lambsquarters	(<i>Chenopodium album</i>)
Redroot pigweed	(<i>Amaranthus retroflexus</i>)
Shepherdspurse	(<i>Capsella bursa-pastoris</i>)
Smooth crabgrass	(<i>Digitaria ischaemum</i>)

APPLICATION SCHEDULES

The most effective program for control of crabgrass, goosegrass, annual bluegrass and other annual weeds is one specifically designed for local conditions. Two 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[®] 7G should be applied only to well established grass lawns. It can be used on the following established turfgrasses:

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

Dichondra Lawns - Pre-San[®] 7G can be applied to dichondra lawns at the time of seeding or any time thereafter.

Application Schedules: For control of crabgrass, apply Pre-San[®] 7G at the specified application rates 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[®] 7G at the specified rates 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 7G at the specified rates should be made four to five months after the initial application.

APPLICATION RATES

Apply a maximum of 360 pounds of Pre-San[®] 7G per acre per year in two or more applications depending on the weed species and degree of infestation. Or, the equivalent maximum rate is 8.3 pounds of Pre-San[®] 7G per 1,000 square feet.

Crabgrass Only - Apply uniformly 108—143 pounds of Pre-San[®] 7G per acre or 2.4—3.3 pounds of product per 1,000 square feet.

Annual bluegrass, goosegrass and other annual weeds - Apply uniformly 180 pounds of Pre-San[®] 7G per acre or 4.1 pounds of product per 1,000 square feet.

When a weed control program involves 2-3 applications of Pre-San 7G for crabgrass, goosegrass, and annual bluegrass, the rate of application may be reduced to 108—143 pounds of Pre-San[®] 7G per acre with the higher rate for heavier infestation.

Application rates per acre for Pre-San[®] 7G

Amount of Pre-San [®] 7G (Pounds per acre)		
Application schedule	Crabgrass only	Annual bluegrass, barnyardgrass, fall panicum, foxtails, and other annual weeds
Single application	108—143	180
Sequential applications	108—143	108—143

Application rates per 1,000 sq. ft. for Pre-San[®] 7G

Amount of Pre-San 7G (Pounds 1,000 square feet)		
Application schedule	Crabgrass only	Annual bluegrass, barnyardgrass, fall panicum, foxtails, and other annual weeds
Single application	2.4—3.3	4.1
Sequential applications	2.4—3.3	2.4—3.3

Sprinkle or irrigate the treated area with water for 10-15 minutes after application to wash the Pre-San[®] 7G into the soil.

This product may only be applied by tractor-drawn spreader or by push type spreader. Uniform applications can be made by spreading one-half the required amount to Pre-San[®] 7G over the area to be treated. Then, apply the remainder at right angles or perpendicular to the pattern of the first application.

Pre-San[®] 7G Spreader Settings

Make of Spreader	Desired Rate Per Acre	Desired Rate Per 1,000 Sq. Ft.	Spreader Settings		Spread Width
			Once Over	Twice Over	
Cyclone	108 lbs.	2.4 lbs.	3.3	3.0	6½ feet
	180 lbs.	4.1 lbs.	3.8	3.5	6½ feet
Scott	108 lbs.	2.4 lbs.	2.8	2.2	20 Inches
	180 lbs.	4.1 lbs.	3.8	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® 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 disease or physiological disorders necessitate reseeding sooner than 4 months after Pre-San® 7G application, apply powdered activated charcoal prior to reseeding to deactivate the Pre-San® 7G.
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.

LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

PRE-SAN® is a registered trademark of PBI/GORDON CORPORATION.