

Turf Weedgrass Control

ACCEPTED

SEP 19 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 538-193

- preemergent control of crabgrass,
goosegrass, Poa annua, and other
grassy weeds
- control of 9 sprouting broadleaf weeds

Net Weight 44.25 lbs (20.07 kg)

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION. Causes eye irritation. Avoid contact with eyes, skin or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Wash after handling. May be harmful if swallowed. Avoid inhalation. Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock.

Environmental Hazards: This pesticide is toxic to fish. Do not apply directly to water. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. In case of spills, either collect for use or dispose of properly.

ACTIVE INGREDIENT:

Pendimethalin, N-(1-Ethylpropyl)-3,4-dimethyl-2,

6-dinitrobenzenamine

1.71%

INERT INGREDIENTS:

98.29%

TOTAL 100.00%

EPA Reg No 538-193

Product of USA

EPA Est 538-OH-1 (S)

EPA Est 9198-OH-1 (M)

Subscript used is first letter of run code on end of package.

*Licensed under one or more of the following U.S. patents
3,920,742; 4,066,441

Sold by:

ProTurf Division, The O M Scott & Sons Company
Marysville, Ohio 43041

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Recommended For Use By Professional Turfgrass Managers

STK No. 83212

Directions for use

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

Controls these grassy weeds as they sprout:

goosegrass foxtail bermudagrass
crabgrass *Poa annua* fall panicum

Controls these broadleaf (dicot) weeds as they sprout:

chickweed henbit prostrate spurge
cutweed oxalis purslane
hop clover evening primrose knotweed

For use on established turfgrasses including Kentucky bluegrass, perennial ryegrass, fine fescue, bentgrass and *Poa annua* (except putting greens and tees), tall fescue, bermudagrass, St. Augustinegrass, centipede grass, bahiagrass, zoysiagrass, and blends of these grasses. NOT for use on dichondra.

POA ANNUA CONTROL

Applied in mid-August to mid-October before germination, this product prevents the emergence of *Poa annua* seedlings. Do not make a repeat application until the following spring.

Applied in the Fall this product also controls annual dicot weeds germinating during this time of year, such as henbit and chickweed.

Grass Type	Weeds	Rate of Application	Comments
Cool Season Grasses Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	crabgrass foxtail goosegrass barnyardgrass fall panicum prostrate spurge purslane broadleaf chickweed	55-110 lbs./acre as the initial application prior to weed germination.	Apply a repeat application of 55-88 lbs./acre after 6-8 weeks for continued control or where heavy weed infestations are expected.
	goosegrass	55-110 lbs./acre in the spring prior to weed germination. Apply a repeat application of 55 lbs./acre after 6-8 weeks.	
Bermudagrass and established <i>Poa annua</i> (1/2 inch height or taller, not for use on greens and tees)	crabgrass foxtail cut grass barnyardgrass fall panicum prostrate spurge purslane broadleaf chickweed	55 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 55-88 lbs./acre after 6-8 weeks where heavy weed infestations are expected.
	goosegrass	55 lbs./acre in the spring prior to weed germination with a repeat application of 55 lbs./acre after 6-8 weeks.	
Warm Season Grasses Bermudagrass St. Augustinegrass Bahiagrass Zoysiagrass Centipede grass Tall fescue	crabgrass foxtail cut grass barnyardgrass fall panicum prostrate spurge purslane broadleaf chickweed	55-177 lbs./acre prior to weed germination.	Apply a repeat application of 55-88 lbs./acre after 6-8 weeks if necessary.
	goosegrass	55-177 lbs./acre prior to weed germination.	Apply a repeat application of 55-110 lbs./acre after 6-8 weeks or if the lower rate was used initially.
	cutweed hop clover evening primrose foxtail	177 lbs./acre prior to weed germination.	
Bermudagrass greens	crabgrass foxtail cut grass barnyardgrass fall panicum prostrate spurge purslane broadleaf chickweed	55 lbs./acre prior to weed germination.	Apply a repeat application of 55 lbs./acre after 6-8 weeks if necessary.
	goosegrass cutweed hop clover evening primrose foxtail	55-110 lbs./acre prior to weed germination with a repeat application of 55 lbs./acre after 6-8 weeks.	

How to use

Apply product uniformly to dry foliage at the suggested rate with a properly calibrated spreader. For best results, water

after application (1/4-1/2 inch) to remove the granules from the foliage and to move the product to the surface of the soil. Do not mow treated area until product has been watered in and turf foliage has dried. Do not destroy the chemical barrier created at the soil surface by raking or aerifying subsequent to application.

PRECAUTIONS FOR BERMUDAGRASS AND 1/2 INCH HEIGHT OR TALLER BENTGRASS AND POA ANNUA

When applied to dormant bermudagrass, greenup may be delayed 2 to 3 weeks in the spring. The delay in greenup may be more extensive on low-cut bermudagrass and on sandy soils.

Where turf thinning or damage has occurred due to winter injury, wait until greenup, fill-in and good rooting before making an application.

Application of this product to bermudagrass overseeded with cool season turfgrass species may injure and thin the overseeding.

Do not apply to bentgrass or *Poa annua* after late summer.

OTHER PRECAUTIONS:

Do not apply this product to cool season turfgrasses when temperatures are regularly in the high 80's.

On turf that has been severely thinned due to winter damage, excessive soil moisture, low temperature below 40°F., scalping, insects, disease, etc., wait until turf has filled in and rooting of stolons/rhizomes is complete and desired turf density is achieved before applying.

Delay seeding by 4 months and sprigging by 5 months after application.

On newly planted areas, wait until the grass has been mowed at least 4 times and has filled in.

Do not apply more than a cumulative total of 236 lbs. product/acre per year on cool season grasses and 354 lbs. product/acre per year on warm season grasses.

Do not apply to cement, stone, clothing or shoes. If contact occurs, brush off particles to prevent staining. If necessary, rinse with water. If metallic surfaces (golf course equipment, automobiles, etc.) are present at the application site, do not use this product under windy conditions (5-10 MPH) due to its staining potential.

Storage and disposal

STORAGE: Store in a clean, dry place. Reseal opened bag by folding top down and securing.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or 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.

LIMITATION OF LIABILITY

It must be understood that this product has not been evaluated on all bentgrass varieties and *Poa annua* under all possible growing conditions. The user should exercise judgement and caution when using this product on a given variety until familiar with the performance under his growing conditions. NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT ON BENTGRASS OR POA ANNUA WHEN NOT USED IN ACCORDANCE WITH DIRECTIONS AND ESTABLISHED SAFE PRACTICES. The exclusive remedy of the user or Buyer, and the limit of liability of The O M Scott & Sons Company or any other Seller, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing signed by a duly authorized representative of The O M Scott & Sons Company.

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Suggested Spreader Settings

To provide proper distribution calibrate your spreader before application.

44.25 lbs treats 22,000 ft² (1/2 acre) at 88 lbs product/acre
(88 lbs of product per acre is equivalent to 1.5 lb ai/acre)
44.25 lbs treats 11,000 ft² (1/4 acre) at 177 lbs product/acre

SPREADER	GROUND OR PTO SPEED	WIDTH OF COVERAGE	RECOMMENDED RATE RANGE (lbs of product per acre)			
			55 LBS	110 LBS	177 LBS	236 LBS
Scotts Drop Type Gandy (30")	3 mph	3 mph	4 1/2	27	6	7
Scott Rotaries R-7, R-7X			23	27	28	34
PT-10, PT-11	3 mph	9 feet	D	F	G	J
R-8, R-8A (cone 8)	3 mph	9 feet	J 1/2	K	L	N
Left Models (see below)	4.5 mph	20 feet	4 1/2	4 1/2	5 1/2	5 1/2
Vicon	4.5 mph	18 feet	15	19	21	28

*Use discharge rate given at 1200 (properly adjusted on the PT-10 and PT-11 models). For the R-7E model use the discharge pattern after 1/2 inch.

Left models R-7E, R-7X, R-8, R-8A and 1200 PTO at 450 rpm.