

Hi-Yield®

Crabgrass Control

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Crabgrass Control

- A Selective Pre-Emergence Herbicide For Control of Crabgrass & Most Other Annual Weed Grasses
- Season Long Crabgrass Control
- For Use on All Turfgrass Types

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

ACTIVE INGREDIENTS:

benefin-N-butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine.....	1.33%
trifluralin-a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine.....	0.67%
OTHER INGREDIENTS:	98.00%
TOTAL:	100.00%

Refer to back panel of bag for First Aid Statements, Precautionary Statements, and Directions for Use. Notice: Read entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies on back panel. If terms are unacceptable, return at once unopened.

AGRICULTURAL CHEMICAL: DO NOT SHIP OR STORE WITH FOOD, FEEDS, DRUGS, OR CLOTHING.

32017-0615-TP

NET WEIGHT 9 LBS. (4.09 KG)

32017

Crabgrass Control



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Caution: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
 - Shoes plus socks
 - Chemical resistant gloves made of any waterproof material
- 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.
 - Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 - Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

IF SWALLOWED: Call 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

IF IN EYES: 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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

In the event of a medical or chemical emergency, contact  **North America 1-800-255-3924 or Worldwide Intl. + 01- 813-248-0585**

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner that will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. 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 washwaters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying. Application Restrictions: Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. This product must be watered in as soon as possible after application.

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Entry Restrictions: Do not enter or allow other people (or pets) to enter the treated area until dusts have settled. Except for personnel involved in the watering-in, do not enter or allow other people or pets to enter the treated area until the watering-in is complete and the surface is dry. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

STORAGE AND DISPOSAL

- Do not contaminate water, food, or feed by storage and disposal.
- PESTICIDE STORAGE:** Store in original container only. In case of leak or spill, contain material and dispose of waste.
- PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

GENERAL INFORMATION

HI-YIELD® CRABGRASS CONTROL is a pre-emergence herbicide for application to established turfgrass for control of Annual Bluegrass (*Poa annua*), smooth and hairy Crabgrass, Goosegrass (*Silver Crabgrass* or *Crowfoot*), Barnyardgrass (*Watergrass*) and green and yellow Foxtail. **HI-YIELD® CRABGRASS CONTROL** also provides partial control of Prostrate Spurge (*Euphorbia Supina*), Spotted Spurge (*Euphorbia Maculata*), Creeping Spurge (*Euphorbia Serpens*), Creeping Woodsorrel (*Oxalis Corniculata*) and Yellow Woodsorrel (*Oxalis Stricta*). This product controls susceptible annual weeds by killing their seeds as they germinate. Apply this product prior to germination of target weeds since it does not control established weeds. This product will not harm most nearby established ornamental trees and shrubs.

GENERAL USE PRECAUTIONS AND RESTRICTIONS

- Do not apply this product to golf course putting greens.
- Do not apply to dichondra.
- Do not apply to newly sprigged areas of Bermudagrass, St. Augustinegrass, Centipedegrass, or Zoysiagrass until turf is well established.
- Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of this product.
- Do not make more than 2 applications of this product per year.
- Do not apply this product in the spring to turfgrass planted the previous fall
- This product may thin established annual Bluegrass (*Poa annua*) turfs and fine-leaved fescues at rates of 100 lb. per acre (2-1/4 lbs./1000 sq. ft.) (2lbs. active ingredient).
- In Bermudagrass areas that have been overseeded with winter grasses, a spring application of this product may thin the overseeded grasses.
- Do not aerially apply this product.

Maximum Single Application Rate: Cool season turf – 120 lb. of this product per acre (2-3/4 lbs./1000 sq. ft.); warm season turf – 150 lb. of this product per acre (3-1/2 lbs./1000 sq. ft.).
Maximum Yearly Rate: Cool season turf – 240 lb. of this product per acre (5.5 lbs./1000 sq. ft.); warm season turf – 300 lb. of this product per acre (7 lbs./1000 sq. ft.).
Minimum Re-Treatment Interval: Cool season turf – 56 to 70 days; warm season turf – 70 to 84 days.

This product must be watered in as soon as possible after application.

Reseeding
Do not reseed treated areas for at least 8 weeks after a single application of 75 to 100 lbs. of product per acre (1.5 to 2 lbs. active ingredient) unless injury can be tolerated or 12 to 16 weeks after a single application of 100 to 150 lbs. of product per acre [2-1/4 to 3-1/2 lbs./1000 sq. ft.] (2 to 3 lbs. of active ingredient) unless injury can be tolerated. When reseeding, follow proper cultural practices such as soil cultivation, irrigation, and fertilization. For satisfactory reseeding results after using this product increase the amount of seed used and use equipment designed to place seed in contact with the soil.

APPLICATION DIRECTIONS

Apply **HI-YIELD® CRABGRASS CONTROL** using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply the material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or turfgrass injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

Application Techniques for Applying HI-YIELD® CRABGRASS CONTROL
Successful preemergence control of the annual grass weeds listed on this label requires proper timing of application. Apply this product approximately 1 to 2 weeks prior to the germination of annual grass weeds. If application timing does not coincide with the normal germination period of any of the annual grass weeds listed on this label, weed control results may be erratic or poor.

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.

- A chain fastened to the side of the spreader and allowed to drag on the surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treated smaller areas, a small rotary applicator is recommended. To insure proper coverage and avoid missed areas, early morning treatment when wheel tracks are evident in the dew and the wind is calm is recommended.
- When using tractor mounted or pull-type rotary applicators, morning applications when the wind is calm and dew is on the ground is recommended. Wheel tracks are evident in the dew and granules can be spread uniformly.
- **Spring Germinating Summer Grasses (Crabgrasses, Goosegrasses, Foxtails, Barnyardgrass)**
Northern Cool Season Turfgrass: For pre-emergence control apply 1-3/4 to 3-1/2 lbs. of product per 1,000 sq. ft. of lawn. Apply in the spring, 1 to 2 weeks prior to the onset of conditions favorable for annual grass weed seed germination. Where heavy goosegrass pressure exists, use the rate of 3-1/2 lbs. per 1,000 sq. ft. of lawn. If split applications are desired, apply a cumulative rate of 3-1/2 lbs. of this product per 1,000 sq. ft. of lawn and make the second application 8 to 10 weeks after the first.
Southern Warm Season Turfgrass: For pre-emergence control, apply 2-1/4 to 3-1/2 lbs. of product per 1,000 sq. ft. of lawn in the late summer or early spring one to two weeks prior to the expected germination of Annual Bluegrass. In southern areas where germination of the annual grass weed species continues for extended periods of time, make a second application of this product at the recommended rate 10 to 12 weeks after the first application for continued control.
- **Poa annua (Annual Bluegrass)**
Northern Cool Season Turfgrass: For pre-emergence control, apply 1-3/4 to 2-1/4 lbs. of product per 1,000 sq. ft. of lawn in the late winter or early fall and again in the late winter or spring one to two weeks prior to the expected germination of Annual Bluegrass.
Southern Warm Season Turfgrass: For pre-emergence control, apply 3-1/2 lbs. per 1,000 sq. ft. of lawn in the late summer or early fall one to two weeks prior to the expected germination of Annual Bluegrass. In southern areas where germination of Annual Bluegrass continues for extended periods of time, an application of this product at 3-1/2 lbs. per 1,000 sq. ft. of lawn can be made 10 to 12 weeks after the initial treatment.

Eliminating Annual Bluegrass in areas of heavy infestation will temporarily result in thin turfgrass areas. Proper fertilization, irrigation and soil incorporated reseeding will encourage existing desirable turfgrasses and newly planted seeding turfgrasses to fill in these thin areas previously occupied by Annual Bluegrass.

A selective pre-emergence herbicide for control of crabgrass and most other annual weed grasses on turfgrass and golf courses in established:

Bahiagrass	Ryegrass (perennial)
Bermudagrass	St. Augustinegrass
Bluegrass (perennial)	Zoysiagrass
Centipedegrass	Bentgrass fairways and other high cut Bentgrass areas
Fescue	

HI-YIELD® CRABGRASS CONTROL/Acre	HI-YIELD® CRABGRASS CONTROL/1000 Sq. Ft
75 lb.	1¾ lb.
100 lb	2¼ lb.
150 lb.	3½ lb.

APPLICATION EQUIPMENT AND INSTRUCTIONS

This product can be applied with a drop or broadcast (rotary) spreader. For best results, apply this product evenly and uniformly over the turfgrass (lawn) area avoiding streaking, skips or overlaps.

Before each application, determine the correct amount (lbs.) of product to place in the spreader hopper for the area to be treated. For example, if the label states to apply 3 lbs. per 1000 sq. ft. and your area is 2000 sq. ft, then place 6 lbs. of product in the hopper and set the spreader setting at 3 1/4 (per table below) if using an Accugreen drop spreader.

A more uniform application can be made by spreading one-half of the recommended amount of this product over the turfgrass area and then applying the remaining one-half of this product at a right angle to the previous application direction.

NOTE: The spreader settings listed below are approximate. The speed at which you walk and the working condition of the spreader will affect the rate of application.

SPREADER	SPREADER SETTINGS		
	Lbs. of product per 1,000 sq. ft.		
	3 lbs	4 lbs	6 lbs
Scotts®/Republic Accugreen (Drop)	3 1/4	4 1/4	7
Scotts®/Republic Speedy Green (Broadcast)	3	3 3/4	6
ferti-lome® /Earthway Ev-N-Spred (Broadcast)	13	14	16

TERMS AND CONDITIONS OF USE

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

WARRANTY DISCLAIMER

Voluntary Purchasing Groups, Inc. warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Voluntary Purchasing Groups, Inc. makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the bag, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Voluntary Purchasing Groups, Inc., or the Seller. All such risks shall be assumed by Buyer.

LIMITATION OF REMEDIES

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at Voluntary Purchasing Groups, Inc. election, one of the following:

1. Refund of purchase price paid by Buyer or user for product bought, or
2. Replacement of amount of product used.

Voluntary Purchasing Groups, Inc. shall not be liable for losses or damages resulting from handling or use of this product unless Voluntary Purchasing Groups, Inc. is promptly notified of such loss or damage in writing. In no case shall Voluntary Purchasing Groups, Inc. be liable for consequential or incidental damages or losses. The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Voluntary Purchasing Groups, Inc. or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

Manufactured By:



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