



Professional Turf™ Products

Crabgrass Preventer with 2.5% Balan® Herbicide (Dispersible Granules)

Net Wt. 40 Lbs. (18.14 kg)

ACTIVE INGREDIENT:
N-butyl-N-ethyl-a, a, a-trifluoro-2, 6-dinitro-p-toluidine 2.5%
INERT INGREDIENTS: 97.5%
Total 100.0%
EPA Reg. No. 9198-83
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code on bag.
U.S. Patent No 6,231,660

KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUTIONARY STATEMENTS

Hazards To Humans and Domestic Animals
CAUTION: Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)
All loaders, applicators, and other handlers must wear:

- Long sleeved shirt and long pants,
- Socks plus shoes, and
- 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.
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.

FIRST AID
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a 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 contacts, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: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 swallowed: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Apply this product only as specified on this label.

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 turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

General Information
This preemergence herbicide controls winter annual grass: annual bluegrass (*Poa annua*); and summer annual grasses: smooth and hairy crabgrass, goosegrass (silver crabgrass or crowfootgrass), barnyardgrass (watergrass) and green and yellow foxtail in established turfgrasses. This product controls these weeds by killing their seeds as they germinate and should be applied to the turf prior to the germination of weed grasses since it will not control established weeds. This product will not harm most nearby established ornamental trees and shrubs.

This product may be used on the following established cool- and warm-season turfgrasses:

Established Cool-Season Turfgrasses	Established Warm-Season Turfgrasses
Bentgrass fairways	Bahiagrass
Kentucky bluegrass	Bermudagrass
Perennial ryegrass	Centipedegrass
Fescues	St. Augustinegrass
	Tall Fescue
	Zoysiagrass

General Use Precautions and Restrictions
Entry Restrictions: Except for those people involved in the watering-in, do not enter or allow other people (or pets) to enter

the treated area until dusts have settled and until the watering-in is complete and the surface is dry.

Do not apply this product in a way that will contact workers or other persons (or pets) either directly or through drift. Only protected handlers may be in the area during application.

Recent research has shown that well-maintained turf is an effective environmental buffer that prevents pollutants from entering our natural water bodies. To help protect these natural resources, please avoid applying product to sidewalks, driveways, roadways, and other impervious surfaces which are adjacent to storm drains. Sweep any misplaced granules back onto the area you are treating immediately after application, since storm drains often empty directly to nearby waterways.

This product may thin established annual bluegrass (*Poa annua*) turfs and fine-leaved fescues at rates above 1.38 lbs. per 1,000 sq. ft. or 60 lbs. per acre. Do not apply in the spring to turf grass planted the previous fall. In Bermudagrass areas that have been overseeded with winter grasses, a spring application of this product may thin the overseeded grasses. Do not apply to golf course putting greens or dichondra. Do not apply to newly sprigged areas of Bermudagrass, St. Augustine-grass, centipedegrass or zoysiagrass until these turfs are well established. Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of this product.

Rates, Frequency and Timing of Application
Successful pre-emergence control of the annual grass weeds listed on this label requires proper timing of application.

Apply approximately one to two weeks prior to the anticipated germination of annual grass weeds. All summer annual grasses do not germinate at the same time. 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.

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

Application Rates

Weed	Cool-Season Turfgrasses	Warm-Season Turfgrasses
Spring germinating summer annual grasses: Crabgrass Foxtails Barnyardgrass	1.38 lbs./1000 sq. ft. 60 lbs./acre 1.5 lbs. AI/acre	1.84-2.75 lbs./1000 sq. ft. 80-120 lbs./acre 2.0-3.0 lbs. AI/acre
Late spring, early summer germinating summer annual grasses: Goosegrass	1.38 lbs./1000 sq. ft. 60 lbs./acre 1.5 lbs. AI/acre	1.84-2.75 lbs./1000 sq. ft. 80-120 lbs./acre 2.0-3.0 lbs. AI/acre
<i>Poa annua</i> (annual bluegrass)	1.38 lbs./1000 sq. ft. 60 lbs./acre 1.5 lbs. AI/acre	2.75 lbs./1000 sq. ft. 120 lbs./acre 3.0 lbs. AI/acre

In areas of the United States where germination of these annual weed grass species continues for extended periods of time or where desired, a second application of this product may be made 8 to 10 weeks after initial treatment on cool-season turfgrasses and 10 to 12 weeks following the initial application on warm-season turfgrasses for continued control. Do not exceed the Maximum Application Rates listed below.

Maximum Application Rates
Cool season turfgrasses:
Maximum of 1.38 lbs. per 1,000 sq. ft. (60 lbs. product per acre, 1.5 lbs. active ingredient per acre) per application.
Maximum of 2 applications per year.
Maximum of 2.75 lbs. per 1,000 sq. ft. (120 lbs. product per acre, 3 lbs. active ingredient per acre) per year.

Warm season turfgrasses:
Maximum of 2.75 lbs. per 1,000 sq. ft. (120 lbs. product per acre, 3 lbs. active ingredient per acre) per application.

Maximum of 2 applications per year.
Maximum of 5.50 lbs. per 1,000 sq. ft. (240 lbs. product per acre, 6 lbs. active ingredient per acre) per year.

RESEEDING

Chemicals that effectively control annual weed seeds may also affect new desirable turf grass seedlings. Reseeding should be delayed for at least 30 days in the eastern United States bounded by the Mississippi River and 45 days in the western United States after an application rate of 1.38 lbs./1,000 sq. ft and 6 weeks after an application rate up to 1.84 lbs./1,000 sq. ft. When reseeding, it is essential that proper cultural practices such as soil cultivation, irrigation and fertilization be followed. For satisfactory reseeding results after using this product, the amount of seed used should be increased and equipment designed to place seed in contact with the soil (such as a slit seeder) should be employed.

APPLICATION EQUIPMENT

Apply this product uniformly over the area using a drop or rotary type spreader, properly calibrated to deliver the correct amount. Check frequently to make sure the equipment is working properly and the granules are being evenly distributed.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Keep container closed and away from food, feedstuffs, and domestic water supplies. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:
Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:
Manufacturer warrants 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice, To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Manufactured by:
The Andersons, Inc.
P.O. Box 119, Maumee, Ohio 43537

Suggested Spreader Settings					
These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.					
40 lbs. covers 28,900 sq. ft. at the 60 lbs. product/acre - LOW RATE (1.38 lbs/1,000 sq. ft.) 40 lbs. covers 21,700 sq. ft. at the 80 lbs. product/acre - MEDIUM RATE (1.84 lbs/1,000 sq. ft.) 40 lbs. covers 14,500 sq. ft. at the 120 lbs. product/acre - HIGH RATE (2.75 lbs/1,000 sq. ft.)					
			SPREADER SETTINGS		
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE 1.50 lbs. ai/A	MEDIUM RATE 2.00 lbs. ai/A	HIGH RATE 3.00 lbs. ai/A
Andersons Model 2000 (cone 4); Andersons 2000 SR (cone 4)	3 mph	9 feet	H 3/4	J	K
Andersons LCO-1000	3 mph	9 feet	H 3/4	J	K
Scotts R-8, R-8A (cone 4)	3 mph	9 feet	H	H 1/2	J
Lesco 020093 (pattern 0.25)	3 mph	6 feet	C 1/2	D	D 1/2
Lesco 705698 (pattern 0.25)	3 mph	6 feet	9	10	11
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern II-C	4.5 mph	26 feet	3 1/2	4	4 1/2
Vicon (03 Series)	4.5 mph	22 feet	15	16	19



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with 2.5% Balan® Herbicide (Dispersible Granules)

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MICRODOT



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