

GreenYard Crabgrass Preventer
with 0.29% Cavalcade®

12-0-3
Guaranteed Fertilizer Analysis:
Total Nitrogen (N) 12%
0.00% Ammoniacal Nitrogen
12.00% Water Soluble Nitrogen\*
0.00% Water Insoluble Nitrogen\*\*
Available Phosphate (P2O5) 0%
Soluble Potash (K2O) 3%
Derived From: Urea, Polymer Coated Sulfur Coated Urea, Muriate of Potash
\*2.40% Slowly Available Nitrogen from Polymer Coated Sulfur Coated Urea
Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn and sweep any product that lands on the driveway, sidewalk or street back onto your lawn.
IN MD APPLY AT A MAXIMUM OF .9# OF NITROGEN PER 1,000 SQ. FT.

Table with 4 columns: PRODIAMINE, GROUP, 3, HERBICIDE

For selective preemergence control of grass and broadleaf weeds in established turf grasses (excluding golf course putting greens) and lawns.

Table with 2 columns: ACTIVE INGREDIENT, Amount
Prodiamine, [N,N'-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] 0.29%
Other Ingredients 99.71%
Total 100.00%

EPA Reg. No. 60063-41-534 EPA Est. No. 75527-PA-12

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a 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: 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: 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 further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.
Emergency Phone Numbers (800) 424-9300 CHEMTREC (transportation and spills) (800) 222-1222 Poison Control Center

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

DIRECTIONS FOR USE

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

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens) and lawns. This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when it is activated by at least 1/2 inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

- DO NOT graze or feed livestock forage cut from areas treated with this product.
- DO NOT apply aerially.
- DO NOT apply to golf course putting greens.
- DO NOT apply this product through any type of irrigation system.
- DO NOT use on sod farms.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

RESISTANCE MANAGEMENT

For resistance management, this product is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

- To delay herbicide resistance, take one or more of the following steps:
• Rotate the use of this product or other Group 3 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
• Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
• Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage ( or other mechanical control methods), cultural ( e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
• Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
• If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
• Contact your local extension specialist or certified crop advisors for additional pesticide resistance management and/or integrated weed-management recommendations for specific crops and weed biotypes.

INTEGRATED WEED PEST MANAGEMENT

Integrate this product into an overall weed pest management strategy whenever the use of an herbicide is required. Practices known to reduce weed development (tillage, crop competition) and herbicide use (weed scouting, proper application timing, banding) should be followed wherever possible. Consult local agricultural and weed authorities for additional IPM strategies established for your area.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

BOOMLESS GROUND APPLICATIONS

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

HANDHELD TECHNOLOGY APPLICATIONS

Take precautions to minimize spray drift.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift

WEEDS CONTROLLED

When used in accordance with this label this product will provide control of the following weeds:

Barnyardgrass; Bluegrass, Annual (Poa annua); Carpetweed; Chickweed, common; Chickweed, mouse ear (from seed); Crabgrass (large, smooth); Crowfootgrass; Cupgrass, Woolly, Foxtails, Annual; Goosegrass1; Henbit; Itchgrass; Johnsongrass (from seed); Junglerice; Knotweed; Kochia; Lambsquarter, common; Lovegrass; Panicum (Texas, Fall, Browntop); Pigweed; Purslane, common; Pusley, Florida; Rescuegrass3; Shepherd's Purse2; Signalgrass, Broadleaf; Speedwell, Persian; Sprangletop; Spurge, Prostrate; Witchgrass; Woodsorrel, Yellow (from seed)
'In many areas a single application of 0.65 lb. to 1.5 lb. active ingredient per acre (equal to 224 lbs. to 517 lbs./A of this product or equal to 5.1 to 11.9 lbs./1000 sq.ft. of this product) will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 0.65 lb. to 1.0 lb. a.i. per acre (equal to 224 lbs. to 345 lbs./A of this product or equal to 5.1 to 7.9 lbs./1000 sq.ft. of this product) followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rates section. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates section below.
'Applications for this weed should be made in late summer, fall, or winter prior to germination.
'Suppression only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates for each turf species. All applications must be made prior to germination of the weed seeds.

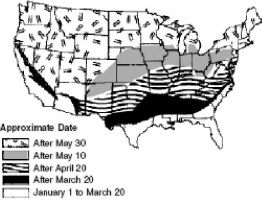
APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURF:

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grasses and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

CRABGRASS SEED GERMINATION DATES



USE RESTRICTION:

- The following restrictions apply to the use of this product in turf grasses and lawns:
• DO NOT apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil.
• DO NOT cut (harvest) treated sod before 120 days after application.
• DO NOT apply to newly set sod until the following year.
• DO NOT apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.
• DO NOT allow people or pets to enter the treated area until the spray has dried.

Distributed by: Growmark Inc., 1701 Towanda Ave., Bloomington, IL 61701

Net Weight: 50 LBS. (22.6 kg)

USE PRECAUTIONS:

- The following precautions apply to the use of this product in turf grasses and lawns:
- Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
  - Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
  - Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.

RATES OF APPLICATION

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

MAXIMUM ANNUAL RATES

This product may be used on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Turf Species:	Lbs. Product /1000 sq.ft.	Lbs. a.i./A
Creeping Bentgrass	5.1	0.65
Creeping Red Fescue	5.9	0.75
Buffalograss Kentucky Bluegrass Perennial Ryegrass	7.9	1.0
Bermudagrass <sup>2)</sup> Bahia grass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type) Zoysia	11.9	1.5

<sup>1)</sup>These are the maximum rates per calendar year by species limitations.

<sup>2)</sup>May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 0.5 lb. a.i./acre (equal to 172 lbs./A of this product or equal to 4.0 lbs./1000 sq.ft. of this product). Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass, and Rescuegrass due to reduced product rates used in sprigging situations.

- Do not apply more than 1.5 lbs. a.i. per calendar year per acre equal to 517 lbs./A of this product or equal to 11.9 lbs./1000 sq.ft. of this product.
- Use higher rates of this product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates table.

WHEN TO APPLY AFTER OVERSEEDING TURF

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the following table below for best overseeding/reseeding results.

Overseeding Rate and Treatment Interval Chart

Lbs. Product /1000 sq.ft.	Lbs. a.i./A	Months Before Overseeding		
		North	Transition	South
4.0	0.50	4	4	4
5.1	0.65	5	4	4
5.9	0.75	6	5	5
6.3	0.80	-	6	6
7.9	1.00	-	7	7
9.0	1.14	-	-	9
10.3	1.30	-	-	10
11.9	1.50	-	-	12

STORAGE AND DISPOSAL

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

**STORAGE:** Store this product in its original container in a dry, cool, secured area.

**PESTICIDE DISPOSAL:** As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions. Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or 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.

STATE SPECIFIC LANGUAGE

The language below must appear on the label when required by the states where the product is sold.

If this product is being sold in a state requiring the publication of information regarding its metal content, information regarding the contents and levels of metals in this product is available at the following website: <http://www.aapfco.org/metals.htm>

The maximum rate of application of this product must not exceed the lesser of the applicable rate determined from the Maximum Annual Rates section table, and the applicable rate determined in the State Nutrient Restrictions table below.

STATE NUTRIENT RESTRICTIONS

State	Readily Available Nitrogen* lbs/1,000 sq ft.	Total Nitrogen lbs/1,000 sq ft.
MD, NH, VA	0.7	0.9
NJ	0.7	1.0

\*Nitrogen present beyond the amount shown as Readily Available must be in the form of Slow-Release nitrogen.

In Virginia and New Jersey, this lawn/turf fertilizer contains phosphorous and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not for the routine maintenance of turf.

In Florida, it is recommended that the user of this product follow the Green Industries and Golf Course Best Management Practices (GI-BMP Manual: *Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries*). It can be found at the Florida-Friendly Landscaping GI-BMP website: [http://fl.ifas.ufl.edu/pdf/GIBMP\\_Manual\\_Web\\_English\\_2015.pdf](http://fl.ifas.ufl.edu/pdf/GIBMP_Manual_Web_English_2015.pdf)

For applications in Virginia, do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rains are expected. Apply this product only to your lawn/garden, and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn/garden.

For applications in Maryland, this fertilizer contains phosphorus and may not be used on turf in the state of Maryland except when 1) Providing nutrients to specific soils and target vegetation as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under § 8-803.7 of the Agriculture Article, Annotated Code of Maryland, performed no more than 3 years before the application; 2) Establishing vegetation for the first time, such as after land disturbance, provided the application is conducted in accordance with the application rates established by the State; or 3) Reestablishing or repairing a turf area.

WARRANTY AND LIMITATION OF DAMAGES

Conditions of sale: To the extent consistent with applicable law, Growmark, Inc. 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 accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to Growmark Inc. Growmark Inc. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. To the extent consistent with applicable law, Growmark Inc. SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND Growmark Inc.'s SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. Growmark Inc. DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.

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