

Fertilizer

with 0.383% Cavalcade™*

19-0-5

Guaranteed Fertilizer Analysis:

Total Nitrogen (N)	19.00%
19.00% Urea Nitrogen*	
Soluble Potash (K ₂ O)	5.00%

Active Ingredient:	
Prodiamine, [N ₃ N ₃ -Di--propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine . .	00.383%
Inert Ingredients:	99.617%
Total	100.000%
Derived from: Muriate of Potash, Urea, and Poly Coated Sulfur Coated Urea.	
*6.27% Slowly Available Urea Nitrogen from Poly Coated Sulfur Coated Urea.	

- For selective preemergence control of grass and broadleaf weeds in:
- established turf grasses (excluding golf course putting greens) and lawns
 - landscape ornamentals (including established perennials and wildflower plantings)

KEEP OUT OF REACH OF CHILDREN CAUTION

See the following section, Precautionary Statements, Hazards To Humans and Domestic Animals, for additional information.

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 may be toxic to fish. 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 washwaters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. 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
- Landscape ornamentals
- Established perennials and wildflower plantings

This product controls susceptible weeds by inhibiting weed seeds germination & root development. Most effective weed control will be obtained when Prodiamine is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1-2 inches) incorporation, prior to weed seed germination & within 14 days following application.

Not for use on plants being grown (1) for sale or other commercial use, (2) for commercial seed production, or (3) for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply this product through any type of irrigation system. Do not apply aerially. Do not apply to golf course putting greens.

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

WEEDS CONTROLLED

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

Barnyardgrass	Kochia
Bluegrass, Annual (Poa annua)	Lambsquarter, common
Chickweed, common	Lovegrass
Chickweed, mouse ear (from seed)	Panicum(Texas, Fall, Browntop)
Crabgrass (large, smooth)	Pigweed
Crowfootgrass	Purslane, common
Cupgrass, Woolly	Pusley, Florida
Foxtails, Annual	Rescuegrass ³
Goosegrass ¹	Shepherd's purse ²
Henbit	Signalgrass, Broadleaf
Itchgrass	Sprangletop
Johnsongrass (from seed)	Spurge, prostrate
Junglerice	Witchgrass
Knotweed	Woodsorrel, yellow (from seed)

¹In many areas a single application of 172 to 392 lbs./A 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 172 to 261 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed those given in the **Maximum Annual Rate Table**. Do not exceed the maximum rate for turf grass species listed in the **Maximum Annual Rate Table** below.

²Applications for this weed should be made in late summer, fall, or winter prior to germination.

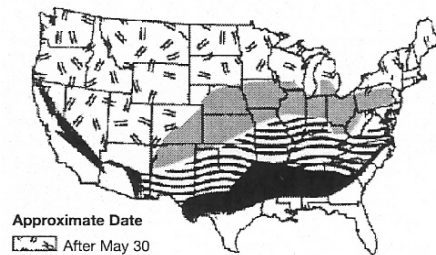
³Suppression only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

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



Approximate Date	
After May 30	
After May 10	
After April 20	
After March 20	
January 1 to March 20	

NET WEIGHT: 50 lb / 22.7 kg

EPA No. 60063-28-41124

EPA Est. No. 41124-WI-1

ITEM NO. 2078500

022505

*Cavalcade is a Trademark of Sipcam Agro USA, Inc.

USE PRECAUTIONS: The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual blue- grass and newly overseeded grasses. (2) 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. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. (6) Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrasses (Poa annua) are desirable species.

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 is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate/Calendar Year of turf fertilizer by turf grass species (1)		
Turf Species:	Lbs. Product/A	Lbs. ai/A
Bermudagrass(2)		
Bahiagrass		
Centipedegrass	392	1.5
Seashore Paspalum		
St. Augustinegrass		
Tall Fescue (including turf-type)		
Zoysia		
Buffalograss		
Kentucky Bluegrass	261	1.0
Perennial Ryegrass		
Creeping Red Fescue	196	0.75
Creeping Bentgrass	172	0.65

¹These are the maximum rates per calendar year by species limitations.

²May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 130 lbs./A. 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 392 lbs. of this product per calendar year.
- 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.

Manufactured By:

Vogel Seed & Fertilizer, Inc.

1891 Spring Valley Road • Jackson, WI 53037

Turf fertilizer + Prodiamine Rate (lb./A)		Months Before Overseeding		
Product	a.i.	North	Transition	South
131	50	4	4	4
170	.66	5	4	4
196	.74	6	5	5
209	.80	-	6	6
261	1.00	-	7	7
298	1.14	-	-	9
339	1.30	-	-	10
392	1.50	-	-	12

STORAGE AND DISPOSAL

STORAGE: Store this product in its original container in a dry, cool, secured area. Do not contaminate water, food- stuffs, feed, or seed by storage or disposal.

PRODUCT DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the con- tents of the bag be used, carefully following label directions and precautions.

IF EMPTY: Do not reuse this bag. Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call you local waster agency for disposal instructions. Never place unused product down any indoor ore outdoor drain.

SPILL: Incase of spill, sweep up and dispose of material according to Product disposal directions above.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS ANDDOMESTIC ANIMALS

CAUTION: Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

FIRST AID

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

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. 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 to 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.

CONDITIONS OF SALE AND WARRANTY

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Vogel Seed and Fertilizer, Inc. or the Seller. All such risks shall be assumed by the Buyer. Vogel Seed and Fertilizer, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. Vogel Seed and Fertilizer, Inc. **makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall** Vogel Seed and Fertilizer, Inc. **or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this Product.** Vogel Seed and Fertilizer, Inc. and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Vogel Seed and Fertilizer, Inc.