

18-0-5

Guaranteed Fertilizer Analysis:

Total Nitrogen (N).....	18.00%
1.80% Ammoniacal Nitrogen	
16.20% Urea Nitrogen*	
Soluble Potash (K ₂ O).....	5.00%
Sulfur (S).....	2.05%

Derived From: Ammonium Sulfate, Muriate of Potash, Polymer Coated Urea, and Urea

*9% Slowly available nitrogen from polymer coated urea

F002259

Information regarding the contents and levels of metals in this product is available on the Internet at: <http://www.aapfco.org/metals.html>

For selective preemergence control of grass and broadleaf weeds in:

- Established Turf Grasses (excluding golf course putting greens) and lawns

Active Ingredient:

Prodiamine, [N³,N³-Di-*n*-propyl-2,4-dinitro-6-(trifluoromethyl)-*m*-phenylenediamine] %wt./wt. 0.42%

Other Ingredients: 99.58%

Total: 100.00%

Contains 0.40 lbs. prodiamine per gallon.

EPA Reg. No. 60063-43-41124

EPA Est. No. 41124-WI-1, 41124-OH-1, 45719-PA-3, 9404-FL-1, 49991-TX-2

First letter of production batch code indicates producing establishment

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> 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.
IF SWALLOWED:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> 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 thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All Mixers, Loaders, Applicators, and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

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.

ENGINEERING CONTROL STATEMENTS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.607(d-e))], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided with all of the PPE specified above for applicators and other handlers, and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

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. If pesticide gets on skin, wash immediately with soap and water.
- 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.

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.

Not for use on ornamental plants being grown for; (1) 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 aerially. **DO NOT** apply to golf course putting greens. **DO NOT** apply this product through any type of irrigation system.

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

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The "WPS" applies when this product is used to produce agricultural plants on farms, forest, or nurseries.

Keep unprotected persons out of treated area until dusts have settled and the turfgrass or soil is dry.

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; or (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 your crops and weed biotypes.
- For further information or to report suspected resistance, contact Sipcam Agro at SipcamAgro.com or call Sipcam at 919-226-1195.

Spring Valley plus .42 Prodiamine

PRODIAMINE GROUP 3 HERBICIDE

INTEGRATED WEED PEST MANAGEMENT

Integrate this product into an overall weed pest management strategy whenever 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.

WEEDS CONTROLLED

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

Barnyardgrass	Henbit	Purslane, common
Bluegrass, Annual (<i>Poa annua</i>)	Itchgrass	Pusley, Florida
Carpetweed	Johnsongrass (from seed)	Rescuegrass ³
Chickweed, common	Junglerice	Shepherd's Purse ²
Chickweed, mouse ear (from seed)	Knottedweed	Signalgrass, Broadleaf
Crabgrass (large, smooth)	Kochia	Speedwell, Persian
Crowfootgrass	Lambsquarter, common	Sprangleop
Cupgrass, Woolly	Lovesgrass	Spurge, Prostrate
Foxtails, Annual	Panicum (Texas, Fall, Browntop)	Witchgrass
Goosegrass ¹	Pigweed	Woodsorrel, Yellow (from seed)

¹In many areas a single application of 0.65 lbs. to 1.5 lbs. active ingredient per acre (equal to 3.6 to 8.2 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 lbs. to 1.0 lbs. AI per acre (equal to 3.6 to 5.5 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 Rate** section 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 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.

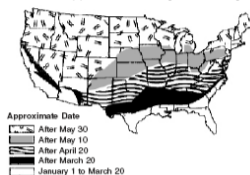
This product may not be applied near water; storm drains, drainage ditches, or to any impervious surface. The product may not be applied if heavy rain is expected. The product may only be applied to the intended application site. For turf, material that lands on an impervious surface (sidewalks, driveways, streets, or other impervious surfaces) must be swept back onto the turf.

In Delaware, product should not be applied to any site that is flooded, frozen, or snow covered.

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 RESTRICTIONS:

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 30 days after application.
- DO NOT** apply to newly set sod within 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.

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:

Maximum Application Rate/Calendar Year of turf fertilizer by turf grass species ⁽¹⁾			
Turf Species:	Lbs. Product/A	Lbs. Product/1000 sq.ft.	Lbs. AI/A
Creeping Bentgrass	155	3.6	0.65
Creeping Red Fescue	179	4.1	0.75
Buffalograss			
Kentucky Bluegrass	238	5.5	1.0
Perennial Ryegrass			
Bermudagrass ⁽²⁾			
Bahiagrass			
Seashore Paspalum	357	8.2	1.5
St. Augustinegrass			
Tall Fescue (including turf-type)			
Zoysia			

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 0.5 lbs. AI/A (equal to 2.7 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. AI/A per calendar year (equal to 8.2 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 listed in the **Maximum Annual Rates** section.

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 seeding 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/Acre	Lbs. Product/1000 sq.ft.	Lbs. AI/A	Months Before Overseeding		
			North	Transition	South
119	2.7	0.50	4	4	4
155	3.6	0.65	5	4	4
179	4.1	0.75	6	5	5
190	4.4	0.80	-	6	6
238	5.5	1.00	-	7	7
271	6.2	1.14	-	-	9
310	7.1	1.30	-	-	10
357	8.2	1.50	-	-	12

SPREADER SETTINGS

Spreader settings vary by make and model of spreader. It is recommended that individual spreaders are calibrated for the specific product that is to be applied. A walking speed of 3 miles per hour is recommended.

Spreader Model	SPREADER SETTINGS				
	Application Rates ¹				
	Lbs./Acre (Product lbs./1000 sq ft)				
	0.5 (2.7)	0.75 (4.1)	1.0* (5.5)	1.5* (8.2)	
Earthway 2400	14	16	14	16	
Prizelawn	D	F	D	F	
Scotts Accupro	D	H	D	H	

* Due to spreader setting limitations, application rates are to be applied twice to achieve the AI/Acre rates (e.g., Apply 0.5 a.i./acre rate twice to achieve the 1.0 AI/Acre rate).

¹ Do not exceed the maximum annual application rate of 1.5 lb AI/Acre (8.2 lb product / 1000 sq. ft.).

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, PA, VA	0.7	0.9 ^{1,2}
NJ	0.7	1.0

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

¹ In Virginia, no more than 0.7 lbs. per 1,000 sq.ft. of readily available nitrogen during any given 30 day period. No more than 0.9 lbs. (cool season grasses) or 1.0 lb. (warm season grasses) per 1,000 sq.ft. of total nitrogen with a least 20% of which shall consist of slow release nitrogen during any given 30 day period. Note: Supplemental applications of fertilizer are needed to achieve a minimum 1 lb. Nitrogen per 1,000 sq. ft.

² In Pennsylvania, shall not exceed 0.9 pounds of total nitrogen per 1,000 square feet, except when using an enhanced-efficiency nitrogen fertilizer, providing the nitrogen release rate does not exceed 0.7 pounds of nitrogen per 1,000 square feet.

STORAGE AND DISPOSAL

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

PESTICIDE 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. Waste 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.

WARRANTY AND LIMITATION OF DAMAGES

Conditions of sale: To the extent consistent with applicable law, Vogel Seed & Fertilizer, LLC 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 Vogel Seed & Fertilizer, LLC. To the extent consistent with applicable law, Vogel Seed & Fertilizer, LLC disclaims all other warranties, express or implied. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Vogel Seed & Fertilizer, LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND Vogel Seed & Fertilizer, LLC'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. Vogel Seed & Fertilizer, LLC DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.

MANUFACTURED BY:
Vogel Seed & Fertilizer, LLC
1891 Spring Valley Road
Jackson, WI 53037

NET WEIGHT:
50 pounds (22.7kg.)
Item # 2078763