Spring Valley Plus .37 Prodiamine

20-0-5

Guaranteed Fertilizer Analysis:
Total Nitrogen (N) 20.00%
4.00% Ammoniacal Nitrogen
16.00% Urea Nitrogen*
Soluble Potash (K_2O) 5.00
Sulfur (S) 5.22%
Derived From: Ammonium Sulfate Muriate of Potash, Polymer Coated Sulfur Coated Urea, and Urea.
*7.00% Slowly Available Urea Nitrogen derived from Polymer-Coated, Sulfur-Coated Urea.

For selective preemergence control of grass and broadleaf weeds in:
• Established Turf Grasses (excluding golf course putting greens) and lawns

Active Ingredient:	
Prodiamine, [N^3,N^3-Di-*n*-propyl-2,4-dinitro-6-(trifluoromethyl)-*m*-phenylenediamine	0.37%
Inert Ingredients:	99.63%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

EPA Reg. No. 60063-40-41124
EPA Est. Nos. 41124-WI-1 41124-OH-1 045719-PA-003

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. Wear long-sleeved shirt and long pants, shoes and gloves.

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 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 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 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 for further treatment advice.

Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.

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. 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.

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 pre-emergence 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 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.

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
Carpetweed	Lovegrass
Chickweed, common	Panicum (Texas, Fall, Browntop)
Chickweed, mouse ear (from seed)	Pigweed
Crabgrass (large, smooth)	Purslane, common
Crowfootgrass	Pusley, Florida
Cupgrass, Woolly	Rescuegrass[3]
Foxtails, Annual	Shepherd's Purse[2]
Goosegrass[1]	Signalgrass, Broadleaf
Henbit	Speedwell, Persian
Itchgrass	Sprangletop
Johnsongrass (from seed)	Spurge, Prostrate
Junglerice	Witchgrass
Knotweed	Woodsorrel, Yellow (from seed)

[1]In many areas a single application of 0.65 lb. to 1.5 lb. active ingredient per acre (equal to 4.0 to 9.3 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 4.0 to 6.3 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 Rate Table**. Do not exceed the maximum rate for turf grass species listed in the **Maximum Annual Rate Table** above.
[2]Applications for this weed should be made in late summer, fall, or winter prior to germination.
[3]Suppression 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.

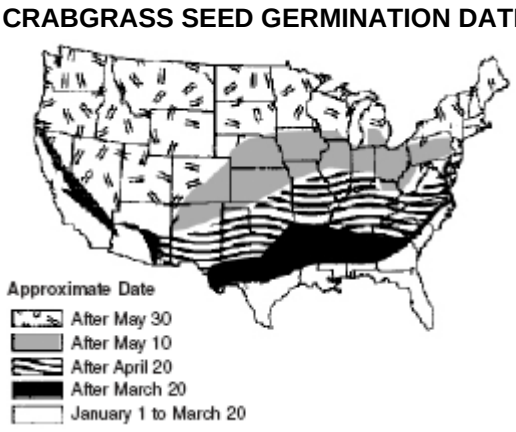
APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURF:

This product is a selective pre-emergence 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 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 bluegrass 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 bluegrass *(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. Product /1000 sq. ft.	Lbs. a.i./A
Creeping Bentgrass	176	4.0	0.65
Creeping Red Fescue	203	4.7	0.75
Buffalograss Kentucky Bluegrass Perennial Ryegrass	270	6.2	1.0
Bermudagrass[2] Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type) Zoysia	405	9.3	1.5

[1]These are the maximum rates per calendar year by species limitations.
[2]May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 0.5 lb. a.i./acre (equal to 3.1 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 9.3 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.

LBs Product/Acre	LBs Product/1000 sq. ft.	LBs ai/A	Months Before Overseeding		
			North	Transition	South
135	3.1	0.50	4	4	4
176	4.0	0.65	5	4	4
203	4.7	0.75	6	5	5
216	5.0	0.80	-	6	6
270	6.2	1.00	-	7	7
308	7.1	1.14	-	-	9
351	8.1	1.30	-	-	10
405	9.3	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] a.i. lbs./Acre (Product lbs./1000 sq ft)			
	0.5 (3.1)	0.75 (4.7)	1.0 * (6.2)	1.5* (9.3)
Earthway 2400	14	17	14	17
Prizelawn	E	N	E	N
Scotts Accupro	E	M	E	M

* Due to spreader setting limitations, application rates are to be applied twice to achieve the a.i./acre rates (e.g., Apply 0.5 a.i./acre rate twice to achieve the 1.0 a.i./acre rate)
[1] Application rate for example only - do not exceed the maximum annual application rate of 1.5 lb. a.i./Acre (9.3 lb. product / 1000 sq. ft.)

STORAGE AND DISPOSAL

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

PRODUCT 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.

CONTAINER DISPOSAL: 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.

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 or the Seller. All such risks shall be assumed by the Buyer. To the extent consistent with applicable law, Vogel Seed and Fertilizer 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. **To the extent consistent with applicable law, Vogel Seed and Fertilizer makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. To the extent consistent with applicable law, in no case shall Vogel Seed and Fertilizer or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this Product.** To the extent consistent with applicable law, Vogel Seed and Fertilizer 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.

NET WEIGHT: 50 pounds (22.7kg.)
Item # 2247661 022014 re

MANUFACTURED BY:

Vogel Seed & Fertilizer, Inc.
1891 Spring Valley Road
Jackson, WI 53037