



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 28, 2022

JP Stambaugh  
Manager of Regulatory Affairs  
PBI/Gordon Corporation  
P.O. Box 860350  
Shawnee, Kansas 66286

Subject: Registration Review Label Mitigation for Penoxsulam  
Product Name: EH-1579 Granule  
EPA Registration Number: 2217-1025  
Application Date: 2/18/2020  
Decision Number: 560049

Dear JP Stambaugh:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Penoxsulam Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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If you have any questions about this letter, please contact Quinn Gavin by phone at 202-566-2284, or via email at [gavin.quinn@epa.gov](mailto:gavin.quinn@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read 'Linda Arrington', with a long horizontal flourish extending to the right.

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure: Stamped label

# EH-1579 GRANULE

## EPA Reg. No. 2217-1025

### ACTIVE INGREDIENTS:

Pyrimisulfan .....	0.025%
Penoxsulam .....	0.025%
OTHER INGREDIENTS: .....	<u>99.950%</u>
TOTAL .....	100.000%

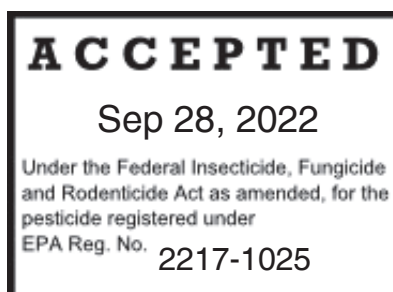
### THIS PRODUCT CONTAINS:

- 0.5 lb Pyrimisulfan per ton or 0.025%. (0.00025 lb pyrimisulfan per pound)
- 0.5 lb Penoxsulam per ton or 0.025%. (0.00025 lb penoxsulam per pound)

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**



See [back panel] [side panel] for complete Precautionary Statements, including First Aid and Directions for Use, including Storage and Disposal.

Net Contents: \_\_\_\_\_  
EPA Est. No. \_\_\_\_\_

**Company Name and Address:**  
PBI/Gordon Corporation  
P.O. Box 860350  
Shawnee, Kansas 66286



## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

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

<b>First Aid</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or on clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment information.	

### **Environmental Hazards**

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.

**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.

**Groundwater Advisory Statement:** This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water Advisory Statement:** This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of pexoxsulam and pyrimisulfan from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

### **Physical and Chemical Hazards**

Do not mix or allow to come into contact with an oxidizing agent. Hazardous chemical reaction may occur.

## **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 any person or pet, either directly or through drift. Do not allow people or pets to enter the treated area until dusts have settled.

## 1. Product Description

EH-1579 GRANULE is a selective herbicide for post-emergence control of listed broadleaf weeds, sedges, kyllinga, and rush species commonly found in turfgrasses. This product can be used on established warm-season turfgrasses (including improved varieties of St. Augustinegrass such as Bitterblue and Floratam. Fall applications provide control of winter weeds such as henbit and chickweed.

## 2. Weeds Controlled

EH-1579 GRANULE will control the following weeds:

Post-Emergence Control of Broadleaf Weeds			
Annual Blue-eyed grass	Curly dock	Florida pusley	Oxalis
Bindweed	Dandelion	Ground Ivy	Shepherdspurse
Black Medic	Dichondra	Hairy Bittercress	Violets
Broadleaf Plantain	Dollarweed/Pennywort	Henbit (early fall application)	Virginia Buttonweed
Buckhorn Plantain	Doveweed	Lawn burweed	Whitlow Grass
Cats-ear dandelion	English daisy	False dandelion	
Chickweed (Common)	Field Madder	Lespedeza	
Clover (White)	Florida Betony		
Creeping Woodsorrel			

Post-Emergence Control of Sedge, Kyllinga, and Rush Weeds			
Purple Nutsedge	Cocks-comb Kyllinga	False Green Kyllinga	Path Rush
Yellow Nutsedge	Green Kyllinga		

## 3. Where To Use

Ornamental turfgrass established around residential dwellings and buildings and other non-cropland sites.

The following established turfgrass species may be treated: Bermudagrass (common or hybrid), bahiagrass, buffalograss, centipedegrass, kikuyugrass, seashore paspalum, St. Augustinegrass (including improved varieties of St. Augustinegrass such as Floratam and Bitterblue), and zoysiagrass.

### Use Restrictions:

- Do not apply more than 8.26 lb of product per 1000 sq.ft. per year.
- Do not apply to golf course putting greens.
- Do not reapply within 30 days of initial application.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- Do not use on carpetgrass, dichondra, legumes, turfgrass where desirable clovers are present, tall fescue, fine fescues, perennial ryegrass, Kentucky bluegrass, and bentgrass.
- Do not collect treated grass clippings for use as mulch around plants.
- Do not apply directly to flowers, vegetables, groundcovers, gardens or landscape plantings including ornamental shrubs or trees.
- Do not apply this product until after the third mowing following seeding, sodding, sprigging, or plugging operations.
- Do not apply this product on Centipedegrass and improved varieties of St Augustinegrass (such as Bitterblue and Floratam) until after the second mowing in the spring when the lawn is fully green and actively growing.

### Use Precautions:

- Wait at least 2 weeks after an application to reseed, sprig, or sod.

## 4. Application Directions

### How Much to Apply:

Apply 2.5 to 5.5 lb of product per 1000 sq.ft. Retreatment after 30 days is allowed but do not apply more than a total of 8.26 lb per 1000 sq.ft. per year.

**When to Apply:**

- For broadleaf weeds: Apply when weeds are actively growing. For best results apply when night-time temperatures are over 50°F for 7 consecutive nights. For winter annual broadleaf weeds: For best results apply when weeds are young -- late fall or early spring.
- For sedges, kyllinga, and rushes: Apply when weeds are actively growing. Apply between May and September for best results.
- Retreatment may be necessary when weed pressures are high, when soil moisture is low, or when weeds are not actively growing.

**Application Tips:**

- Moisture on leaf surface is not required. Apply when weed leaves are wet or dry.
- Temperatures below 50°F will reduce weed control activity.
- For best results, water-in granules within 48 hours after treatment.
- For best results, postpone mowing until granules are watered-in.
- For best winter annual control (henbit, false dandelion, and chickweed) apply in early fall.

**[Begin Optional Language]**

Optional paragraph for shaker can packaging:  
 [This 1 lb canister will cover 180 to 400 sq.ft.]

[Optional sentence for bag packaging:

Select the appropriate bag size and present only that information. For example, "This 15 lb bag covers 2700 to 6000 sq.ft."]

Bag Size	Application Rate	Treated Area for This Bag Size	Bag Size	Application Rate	Treated Area for This Bag Size
12.5 lb	2.5 lb/1000 sq.ft.	5000 sq.ft.	20 lb	2.5 lb/1000 sq.ft.	8000 sq.ft.
	3.1 lb/1000 sq.ft.	4000 sq.ft.		3.1 lb/1000 sq.ft.	6500 sq.ft.
	3.7 lb/1000 sq.ft.	3400 sq.ft.		3.7 lb/1000 sq.ft.	5400 sq.ft.
	5.5 lb/1000 sq.ft.	2300 sq.ft.		5.5 lb/1000 sq.ft.	3600 sq.ft.
14 lb	2.5 lb/1000 sq.ft.	5600 sq.ft.	25 lb	2.5 lb/1000 sq.ft.	10,000 sq.ft.
	3.1 lb/1000 sq.ft.	4500 sq.ft.		3.1 lb/1000 sq.ft.	8100 sq.ft.
	3.7 lb/1000 sq.ft.	3800 sq.ft.		3.7 lb/1000 sq.ft.	6800 sq.ft.
	5.5 lb/1000 sq.ft.	2550 sq.ft.		5.5 lb/1000 sq.ft.	4550 sq.ft.
15 lb	2.5 lb/1000 sq.ft.	6000 sq.ft.	30 lb	2.5 lb/1000 sq.ft.	12,000 sq.ft.
	3.1 lb/1000 sq.ft.	4800 sq.ft.		3.1 lb/1000 sq.ft.	9700 sq.ft.
	3.7 lb/1000 sq.ft.	4100 sq.ft.		3.7 lb/1000 sq.ft.	8100 sq.ft.
	5.5 lb/1000 sq.ft.	2700 sq.ft.		5.5 lb/1000 sq.ft.	5450 sq.ft.
16 lb	2.5 lb/1000 sq.ft.	6400 sq.ft.	40 lb	2.5 lb/1000 sq.ft.	16,000 sq.ft.
	3.1 lb/1000 sq.ft.	5200 sq.ft.		3.1 lb/1000 sq.ft.	12,900 sq.ft.
	3.7 lb/1000 sq.ft.	4300 sq.ft.		3.7 lb/1000 sq.ft.	10,800 sq.ft.
	5.5 lb/1000 sq.ft.	2900 sq.ft.		5.5 lb/1000 sq.ft.	7300 sq.ft.

**Calibration Instructions and Spreader Settings:**

Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the recommended rate under actual application conditions.

To provide proper distribution, calibrate spreader before application.

- For 2.5 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 500 square feet and adjust to apply at the rate of 1.25 pound of product per 500 square feet.
- For 3.1 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 500 square feet and adjust to apply at the rate of 1.6 pound of product per 500 square feet.

- For 3.7 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 500 square feet and adjust to apply at the rate of 1.9 pound of product per 500 square feet.
- For 5.5 pounds of product per 1000 square feet of turfgrass: Check your spreader on 500 square feet and adjust to apply at the rate of 2.75 pound of product per 500 square feet

Spreader	Delivers ___ lb/1,000 sq.ft.		
	2.5 lb	3.1 lb	3.7 lb
LESCO® Rotary calibration gauge setting #	X	X	X
Ortho® Drop (5000)	X	X	X
Ortho® Rotary (6000)	X	X	X

**Distribution and Spreader Patterns:**

Always apply with a properly calibrated rotary or drop type fertilizer spreader to distribute the granules evenly. For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps.

1. For rotary spreaders, operate at intervals corresponding to the swath width. For drop spreaders, overlap the wheel tracks to ensure complete coverage.
2. First, spread the borders of your lawn and header strips for turning around. Then apply this product to the center with straight line passes
3. Walk at a steady pace to ensure even coverage. Close the spreader opening when turning to change directions or when stopping.

[End Optional Language]

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container and keep any bags containing unused product in a locked storage area inaccessible to children and domestic animals.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**LIMITED WARRANTY AND DISCLAIMER**

FOR USE ONLY AS DIRECTED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. If these terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full. The terms of this LIMITED WARRANTY STATEMENT cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere.

## **APPENDIX**

### **1. Advertising claims that may be presented on container labeling, advertisements, brochures, and other marketing/sales promotional materials:**

- Apply in the fall to control/kill] listed winter weeds such as henbit and chickweed
- Kill [Control] listed winter weeds such as henbit and chickweed with a fall application
- Provides [Delivers] [Offers] post-emergence control of listed broadleaf weeds, sedges, kyllinga, and rushes
- Can be used on established warm-season turfgrasses including improved varieties of St. Augustine such as Floratam and Bitterblue
- 2-week reseed/resod interval
- Reseed/resod in just two weeks
- Short reseed/resod interval: 2 weeks
- Reseed/resod in just 14 days
- Apply to wet or dry turf
- Can be applied to wet or dry turf
- Flexible: can be applied to wet or dry turf
- Flexible application to wet or dry turf
- Turf can be wet or dry at application
- Turf does not have to be wet before application
- Effective [Performs] applied to either wet or dry turf
- Can be used on Bermudagrass
- Labeled for use on Bermudagrass
- Can be used on many turfgrass species as listed [ list species ]
- Provides [Delivers] [Offers] [excellent] control of sedges, kyllinga, and rushes
- Kills sedges, kyllinga, and rushes fast [quickly]
- Provides [Delivers] [Offers] fast [rapid] [quick] control of sedges, kyllinga and rushes
- Dependable control of sedges, kyllinga, and rushes
- Granular sedge control
- A wide range of labeled use sites for versatile application options
- Multiple applications are allowed, not to exceed 8.26 lb of product per 1000 sq.ft. per year.
- No maximum temperature restriction allowing application when sedges are most active
- Simple [easy-to-read] label
- Label instructions are simple to read and easy to understand
- 3 lb shaker can covers 1,000 square feet.
- 1 lb shaker can covers up to 400 square feet.
- Shaker can [canister] application makes spot applications easy [simple]
- Innovative shaker can [canister] for easy [simple] application
- Shaker can [canister] allows for targeted applications
- Shaker can [canister] [ideal] [excellent] for application to small properties and micro lots
- Apply in the fall to control winter weeds such as henbit and chickweed
- Provides [Delivers] [Offers] post-emergence control of listed broadleaf weeds, sedges, kyllinga, and rushes.
- Powered by Vexis [Technology]
- Aethon Powered by Vexis [Technology]

## **DOCUMENT CONTROL INFORMATION**

**1. Unique Label Identifier:** 002217-1025.20210209.amend-proposed-clean

**2. Reason for Issue:** Registration Review – Penoxsulam + Comments