



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 and Sulfentrazone  
Product Name: EH-1554 ORP  
EPA Registration Number: 2217-1000  
Application Dates: 2/18/2020 and 2/9/2021  
Decision Numbers: 560055 and 570750

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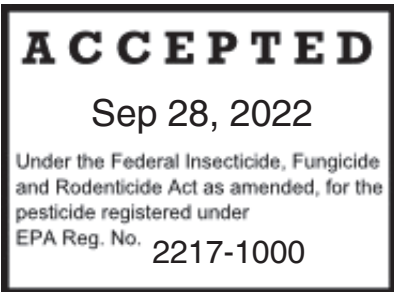
If you have any questions about this letter, please contact Quinn Gavin by phone at 202-566-2284, or via email at [gavin.quinn@epa.gov](mailto:gavin.quinn@epa.gov).

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



PENOXSULAM	GROUP	2	HERBICIDE
DICAMBA	GROUP	4	HERBICIDE
SULFENTRAZONE	GROUP	14	HERBICIDE

# EH-1554 ORP

## EPA Reg. No. 2217-1000

**ACTIVE INGREDIENTS:**

Dicamba acid.....	0.08%
Penoxsulam.....	0.02%
Sulfentrazone .....	0.02%
OTHER INGREDIENTS: .....	99.88%
TOTAL .....	100.00%

**THIS PRODUCT CONTAINS:**

- 1.60 lb Dicamba acid per ton or 0.08%. CAS 1918-00-9.
- 0.40 lb Sulfentrazone per ton or 0.02%. CAS 122836-35-5.
- 0.40 lb Penoxsulam per ton or 0.02% CAS 219714-96-2

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

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

See [next panel][side panel] [back panel] for additional Precautionary Statements and First Aid

**Guaranteed Analysis: See appendix for example.**  
**FL Fertilizer #**

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

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

# **PRECAUTIONARY STATEMENTS**

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

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes 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>
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.	

## **Personal Protective Equipment (PPE)**

All mixers, loaders, and applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves

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 Controls**

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 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## **User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Removing clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 pesticide is toxic to marine/estuarine invertebrates. Do not apply to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

**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.

**Do not use on coarse soils classified as sand, which have less than 1% organic matter.**

**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 penoxsulam 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.

**Groundwater advisory:** This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**Do not use on coarse soils classified as sand, which have less than 1% organic matter.**

## **DIRECTIONS FOR USE**

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

### **1. Product Description**

[EH-1554 ORP] is a combination of three proven weed killers - dicamba, penoxsulam and sulfentrazone. This product controls a wide range of lawn weeds, including dandelion, chickweed, knotweed, plantain, henbit, spurge and many others as listed which are commonly found in turfgrass. In addition, a X-X-X (grade percentage) fertilizer provides a supply of plant nutrients.

### **2. Where To Use**

[EH-1554 ORP] provides post emergence control of annual, biennial and perennial broadleaf weeds in established turfgrass, including residential lawns, golf courses, parks, sports fields, and around commercial buildings and other recreational and turfgrass areas.

[EH-1554 ORP] is recommended for use on the following established turfgrass species:

Established Cool-Season Turfgrass:

Annual bluegrass, Bentgrass species, Fescue (fine leaf or tall\*), Kentucky bluegrass, Perennial ryegrass\*

Established Warm-Season Turfgrass:

Bermudagrass (common or hybrid), Centipedegrass, Kikuyugrass, Seashore paspalum, St. Augustinegrass and Zoysiagrass

### **3. Weed Resistance Management**

For resistance management, this product contains Group 2, Group 4 and Group 14 herbicides. Any weed population may contain or develop plants naturally resistant to this product and other Group 2, Group 4 or Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. 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 2, Group 4 or Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.
- 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 pest control 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 that considers mechanical control methods, cultural (e.g., timing to favor the turf and not the weeds), biological (weed-competitive varieties) and other management practices.
- Scout area prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective.
- 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. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- 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 pest control advisor for additional pesticide resistance-management and/or integrated weed-management recommendations for specific types of turf and weed biotypes.
- For further information or to report suspected resistance, call 877-800-5556.

#### 4. Use Restrictions

- 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.
- Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.
- The active ingredient in this product may leave residues in treated grass clippings which could be harmful to some plants and trees. Do not collect treated grass clippings for use as mulch around plants. The applicator must notify in writing the appropriate residences/individuals of this precaution when this product is applied by a lawn service/commercial applicator.
- Do not apply [EH-1554 ORP] directly to or otherwise permit [EH-1554 ORP] to come into contact with flowers, vegetables, groundcovers, gardens or landscape plantings including ornamental shrubs or trees, or other desirable broadleaf plants, as serious plant injury may occur. Do not exceed specified dosage for any area.
- Do not apply to golf course putting greens or tees.
- Do not use on bahiagrass, carpetgrass, dichondra or turfgrass where desirable clovers are present.
- Do not apply to centipedegrass during the period leading up to or during winter dormancy. Grass should be green and actively growing at application.

#### 5. Use Precautions

- **Treatment on Turfgrass Species not listed on the label for [EH-1554 ORP]:** Users who wish to use [EH-1554 ORP] on turfgrass species not listed on this label may determine the suitability for use by treating a small area at a specified rate. Prior to treatment of larger areas the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is tolerant. Applications should not be made to turfgrass under stress. The user assumes responsibility for any plant damage or any liability resulting from use of [EH-1554 ORP] on turfgrass species not listed on this label.
- Avoid unnecessary disturbances, including watering and mowing, for approximately 24 hours after application.
- Apply [EH-1554 ORP] to newly seeded or sprigged turfgrass only after the third mowing or after the turfgrass seedlings have developed an adequate secondary root system. Reseeding is not advised for at least three to four weeks after application.

- To minimize the potential for turfgrass injury, allow four weeks between applications.
- **[Note to Supplemental Distributors: This statement is optional and may be used only on products containing iron] [Advisory For Fertilizers Containing Iron:]** Keep this product off sidewalks, patios, driveways, etc. This fertilizer may contain iron which will stain concrete and painted surfaces. If it comes in contact with concrete surfaces, sweep off immediately before flushing with water. If concrete is wet when contact occurs, staining may be impossible to prevent. Be careful when using rotary spreaders which scatter fertilizer beyond lawn edge and onto concrete.

## 6. Application Directions

### 6.1 How Much to Apply

Apply 2.5 to 3.2 pounds of product per 1,000 sq.ft. of turfgrass. A second application may be made in 30 days. On tall fescue and perennial ryegrass, use a maximum rate of 2.5 lb per 1,000 sq.ft. per application and only if some injury can be tolerated. A slight yellowing of turfgrass may occur within two weeks of application. The discoloration is temporary and generally gone within four weeks of treatment under adequate growing conditions.

Do not apply more than 3.2 lb of [EH-1554 ORP] per 1,000 sq.ft. per application. Do not apply more than 10.3 lb of [EH-1554 ORP] per 1,000 sq.ft. per year [0.36 lb ai dicamba, 0.09 lb ai sulfentrazone, 0.09 lb ai penoxsulam per acre per year].

**Coverage:** To determine how much you need to apply, multiply the length of your lawn by its width. This equals your total square footage. Deduct all non-lawn areas (house, gardens, etc.). One bag covers up to XXX square feet.

[Note to Supplemental Registrant: Optional language. Select the appropriate bag size and present only the information provided for that bag size on your product labeling.]

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/1,000 sq.ft.	5,000 sq.ft.	20 lb	2.5 lb/1,000 sq.ft.	8,000 sq.ft.
	2.8 lb/1,000 sq.ft.	4,464 sq.ft.		2.8 lb/1,000 sq.ft.	7,142 sq.ft.
	3.2 lb/1,000 sq.ft.	3,906 sq.ft.		3.2 lb/1,000 sq.ft.	6,250 sq.ft.
14 lb	2.5 lb/1,000 sq.ft.	5,600 sq.ft.	25 lb	2.5 lb/1,000 sq.ft.	10,000 sq.ft.
	2.8 lb/1,000 sq.ft.	5,000 sq.ft.		2.8 lb/1,000 sq.ft.	8,928 sq.ft.
	3.2 lb/1,000 sq.ft.	4,375 sq.ft.		3.2 lb/1,000 sq.ft.	7,812 sq.ft.
15 lb	2.5 lb/1,000 sq.ft.	6,000 sq.ft.	30 lb	2.5 lb/1,000 sq.ft.	12,000 sq.ft.
	2.8 lb/1,000 sq.ft.	5,357 sq.ft.		2.8 lb/1,000 sq.ft.	10,714 sq.ft.
	3.2 lb/1,000 sq.ft.	4,687 sq.ft.		3.2 lb/1,000 sq.ft.	9,375 sq.ft.
16 lb	2.5 lb/1,000 sq.ft.	6,400 sq.ft.	40 lb	2.5 lb/1,000 sq.ft.	16,000 sq.ft.
	2.8 lb/1,000 sq.ft.	5,714 sq.ft.		2.8 lb/1,000 sq.ft.	14,285 sq.ft.
	3.2 lb/1,000 sq.ft.	5,000 sq.ft.		3.2 lb/1,000 sq.ft.	12,500 sq.ft.

### 6.2 When to Apply

Apply when broadleaf weeds are young and actively growing in spring or early fall. Apply when the air is calm to ensure uniform coverage and avoid spreading granules onto flowers, vegetables, and

ornamental shrubbery. Possible retreatment may be necessary if lawn is heavily overrun by weeds, if adverse low moisture conditions prevail, or if weeds are in a state of poor growth.

### 6.3 Application Tips

1. Mow lawn to normal height 1 to 2 days before application.
2. Water lawn thoroughly at least 1 to 2 days before application to sustain moisture until the next watering (see step 4).
3. Apply when broadleaf weeds are young and actively growing, preferably in the morning when dew is on the grass. At the time of application, moisture on the weed leaves from dew, rainfall or irrigation/watering aids in control. If grass is not moist at time of application, sprinkle lightly with water prior to application.
4. Do not wash from weed leaves for 1 to 2 days after application. At this time, a thorough watering should be made.

#### [Begin Optional Language]

**[Note to Supplemental Registrants:** Select the appropriate bag size and present only the information provided for that bag size on your product labeling. Also, equipment settings of drop spreaders, rotary spreaders, and other granular applicators may be presented on the container labels.]

### 6.4 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 2.8 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 1.4 pound of product per 500 square feet.
- For 3.2 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.

Spreader	Delivers ___ lb/1,000 sq.ft.		
	2.5 lb	2.8 lb	3.2 lb
LESCO® Rotary calibration gauge setting #	X	X	X
Ortho® Drop (5000)	X	X	X
Ortho® Rotary (6000)	X	X	X
Precision® Red Devil® Rotary	X	X	X
Quaker® Rotary	X	X	X
Republic® EZ Drop	X	X	X
Republic® EZ Grow	X	X	X
Republic® EZ Rotary	X	X	X
Scotts® Drop (PF3)	X	X	X
Scotts® Easy Green	X	X	X
Scotts® Speedy Green	X	X	X
True Temper Rotary	X	X	X

### 6.5 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]

## 7. Weeds Controlled

BROADLEAF WEEDS			
amaranth, green	crownbeard, golden	mustard	sheep sorrel
amaranth, Palmer	cudweed	narrowleaf vetch	spiny sowthistle
amaranth, purple	cupgrass, wooly	nettle	spotted catsear
amaranth, spiny	curly dock	nightshade, black	spotted spurge
amaranth, spleen	cyperus, hedgehog	nightshade, eastern	spurweed
anoda, spurred	daisy, American	nutsedge, purple & yellow	star of Bethlehem
aster	daisy, English	orchardgrass	sprangletop, red
Austrian fieldcress	daisy fleabane	orange hawkweed	stinging nettle
bedstraw	daisy, oxeye	oxalis	strawberry, India mock
beggarticks	dandelion	panicum, fall	switchgrass
beggarweed, spp.	dandelion, false	parsley-piert	tall nettle
betony, Florida	dayflower	parsnip	tall vervain
bindweed, field	dayflower, Virginia	pearlwort	tansy ragwort
bird vetch	devil's claw	pennycress	tasselflower, red
bitter wintercress	dichondra	pennywort	thistle
bittercress	dogfennel	peppergrass (pepperweed)	toadflax
bittercress, hairy	dollarweed	pigweed	toadflax, yellow
bitterweed	eclipta	pineappleweed	trailing crownvetch
black-eyed Susan	evening primrose	pineywoods bedstraw	tumble mustard
black medic	falseflax	plains coreopsis	tumble pigweed
black mustard	false sunflower	plantain, broadleaf	velvetleaf
blackseed plantain	fiddleneck	plantain, buckhorn	Venice mallow
blessed thistle	filaree	mugwort	virginia buttonweed
bloodflower milkweed	filaree, redstem	mullein turkey	spiny amaranth
blue lettuce	filaree, whitestem	musk thistle	Shepherd's purse
blue vervain	flixweed (tansy mustard)	plantain, blackseed	signalgrass, broadleaf
bristly oxtongue	fleabane, dwarf	plantain, bracted	smallflower galinsoga
broadleaf dock	Florida pusley	plantain, broadleaf	smartweed
broomweed	Frenchweed	plantain, buckhorn	smartweed, Ladysthumb
buckhorn	galinsoga	plantain, hoary	smartweed, Pennsylvania
bulbous buttercup	goldenrod	plantain, narrowleaf	smooth dock
bull thistle	goosefoot, nettleleaf	plantain, slender	smooth pigweed
bullnettle	goosegrass	plantain, wooly	sorrel
burclover	groundcherry, clammy	poinsettia, wild	southern sida
burdock	groundcherry, cutleaf	poison ivy	sowthistle
burning nettle	groundsel	poison oak	Spanish needles
burnweed, American	ground ivy	pokeweed	speedwell
burweed	gumweed	poorjoe	Virginia creeper
buttercup	hairy fleabane	porophyllum	Virginia pepperweed
buttonweed	hawkweed	prairie sunflower	wavyleaf bullthistle
California arrowhead	healall	prickly lettuce	western clematis
Canada thistle	heartleaf drymary	prickly sida	western salsify
Carolina geranium	heath aster	prostrate knotweed	white mustard
carpetweed	hedge bindweed	prostrate pigweed	wild aster
catchweed bedstraw	hedge mustard	prostrate spurge	wild buckwheat
catnip	henbit	prostrate vervain	wild carrot
catsear	hoary cress	puncturevine	wild four-o'clock
cheatgrass	hoary vervain	puncture weed	wild garlic
cheeseweed	horsenettle	purslane, common	wild geranium
chickweed, common	horseweed	purslane, redmaids	wild lettuce
chickweed, mouseear	jimsonweed	ragweed	wild marigold

<b>BROADLEAF WEEDS</b>			
chicory	Johnny-jumpup violet	redmaids	wild mustard
cinquefoil	Johnsongrass	red sorrel	wild onion
clover, crimson	knawel	redroot pigweed	wild parsnip
clover, hop	knotweed	redstem filaree	wild radish
clover, rabbitfoot	kochia	rocket, London	wild rape
clover, red	kyllinga (suppression)	round leaf mallow	wild strawberry
clover, strawberry	lambquarters	rough cinquefoil	wild sweet potato
clover, white	lespedeza	rough fleabane	wild vetch
cocklebur	lettuce, miners	Russian pigweed	wild violet
cocklebur, spiny	lovegrass, spp	Russian thistle	woodsorrel
coffeeweed	mallow	sandbur	woolly croton
common mullein	matchweed	scarlet pimpernel	woolly morningglory
common vetch	Mayweed, chamomile	Scotch thistle	wormseed
copperleaf	Mexicanweed	sedge, annual	yarrow
copperleaf, hophornbeam,	milk vetch	sedge, globe	yellow rocket
copperleaf, Virginia	milkweed, honeyvine	sedge, cylindrical	yellow sweetclover
creeping Jenny	morningglory	sedge, Surinum	yellowflower pepperweed
croton, tropic	mouseear hawkweed	sedge, Texas	

This product will not prevent weed seeds from producing new plants.

## **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 or [www.website.com](http://www.website.com) for disposal instructions. Never place unused product down any indoor or outdoor drain.

## **LIMITED WARRANTY AND DISCLAIMER**

**IMPORTANT:** Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner or use of application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS.** Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER**

**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, THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OF HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. 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 THE PRODUCT.** The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this LIMITED WARRANTY AND DISCLAIMER in any manner.

## **APPENDIX**

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

#### Herbicide Benefit Claims:

- Controls tough broadleaf weeds\* in established lawns
- [Controls] [Kills] [over] [more than] [XXX] [listed] [broadleaf] weeds [as listed] [including: any weeds listed in the directions for use of this label]
- Kills [XX+] weeds [even the roots]
- Kills [over] [more than] XXX [listed] weeds [as listed]
- Controls a wide spectrum of [listed] broadleaf weeds [as listed]
- Kills broadleaf weeds\* in lawns
- Kills major broadleaf weeds\*, even the roots. And [brand name] is formulated to kill only the weeds, not the lawn. Use as directed to kill major broadleaf weeds in your lawn.
- Kills dandelion and many other broadleaf weeds [as listed]
- Use on lawns to kill the toughest weeds like clover and dandelion.
- Tough weed killer
- Kills even the tough[est] broadleaf weeds\* [like clover, dandelion, oxalis]
- Kill the toughest weeds like [and weeds listed in the directions for use of this label] and many other listed broadleaf weeds
- Kills [major] broadleaf weeds [like clover, dandelion, oxalis]
- Provides broadleaf control
- [Controls] [Kills] clover, dandelion, plantain, chickweed and [other broadleaf weeds] [others as listed]
- Clobbers clover
- Kills the root
- Kills weed roots!
- Kills tough lawn weeds\*
- Consistently fast on: tough weeds like clover, plantain, ground ivy and spurge [various other weeds listed]
- Use for a beautiful weed-free lawn
- Kills the weeds, not the lawn
- Kills weeds, not lawn grasses

- Kills [down to] the root, [not the lawn]
- Targets weeds, leaves [grasses] [the lawn] unharmed
- Controls dandelion, white clover, plantain, chickweed, spurge and many other listed weeds
- Kills over XXX weed types [as listed]
- Kills XXX+ weed types including roots
- Kills major broadleaf weeds\* including roots. And [brand name] is formulated to kill only the weeds, not the lawn. Use as directed to kill major broadleaf weeds in your lawn.
- [Kills over [XXX] [listed] weeds [as listed], including henbit, dollarweed, white clover, plantain and chickweed
- [Kills] [Controls] [dandelions] [any weed listed on label] and [over] [more than] [XXX] other [listed] major lawn weeds [as listed]
- Controls dandelions & other broadleaf weeds [as listed]
- Kills over XXX weeds\*
- Kills tough lawn weeds\*
- \* see the complete list of weeds in the Weeds Controlled section of the product label

#### Fertilizer Benefit Claims:

- Greens turf in autumn and accelerates spring recovery
- Consult your State Cooperative Extension Service for current information on annual application limitations for lawn fertilizers in your region.
- Helps strengthen lawn against heat and drought
- Quick greening with extended feeding
- Helps develop a deep, dense root system that encourages early spring green-up
- A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing XX pounds of nitrogen per 1,000 square feet and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.
- Slow-release nitrogen promotes lush, deep-green growth for up to four months
- Higher nitrogen content for greater coverage
- Nitrogen for lush, green plant growth
- Feeds: Combine quick results and a long lasting feeding
- Encourages early spring green-up
- Promotes root growth for a thicker, greener lawn
- Fast green-up & timed release for extended feeding
- Quick greening and extended feeding
- Helps strengthen lawn against heat & drought
- Helps develop a deep and dense root system [at optimal time]
- Why fertilize the/your lawn?
- While it is easy to see that/a satisfying deep green/greening when you fertilize, regular feedings [can] actually do much more...
- Promote a deep and dense root system that is better able to reach water and find nutrients during tough heat & drought, so lawn stays greener, longer and bounces back faster
- Thicken lawn with new/additional blades of grass, making it more resistant to bare spots and thinning
- Help prevent weeds by making it difficult for weed(s) [seeds in the air] to find soil to root, [as well as]/and crowd out existing weed(s) [seeds in the soil]
- [Recommended] next feeding
- [Icon] Unfed lawn v.[vs.] [Icon] Regularly fed lawn/4 annual feedings
- [Icon] Unfed lawn
- [Icon] [1] [2] [3] [4] annual feeding[s]
- Promotes a strong, deep root system in the fall for a quicker green-up in the spring
- Timed-release nitrogen for a thick, green lawn

General Marketing Claims:

- [Bag] [treats] [covers] [up to] [XXXX] square feet
- For [use] [on] [home] lawn(s) [care] [only]
- Lawn fertilizer plus weed control
- Apply when weeds are [actively] growing
- For use on: Kentucky bluegrass, fescue spp., perennial ryegrass, common bermudagrass, zoysiagrass, St. Augustinegrass, centipedegrass, hybrid bermudagrass and bentgrass
- Many broadleaf weeds [including dandelion, chickweed, henbit] germinate in the fall but are not visible in your lawn until spring. Applying [EH-1554 ORP] in the fall can provide effective results, because smaller weeds are easier to control. If needed, you can make a follow-up application in the spring.
- In Case of Emergency, Call XXX-XXX-XXXX
- Easy to use
- Feed[s] [Treats] [Covers] XXXX sq.ft.
- Lawn fertilizer and lawn weed killer
- Apply early fall when weeds are actively growing
- [Apply to] [Use on] a wet lawn
- Determine size of area to be treated
- [Measuring/Measure] your lawn
- How to measure your lawn – [Icon]
- General Tips:
  1. Determine size of area to be treated – measure length and width in feet, then multiply to determine coverage area in sq ft (length x width). Next, subtract non-lawn areas.
  2. Use the spreader setting chart to determine the appropriate setting.
  3. Treat as directed – thorough coverage is important.
- Controls lawn weeds and prepares your lawn for the stress of winter
- Apply in the fall
- Starts working on contact
- Controls many broadleaf weeds while providing long-feeding action

Referrals to other products used sequentially:

- For best results, apply [brand name] products
  - Apply using the 4-Step Program
- [Brand Name] Annual Feeding Program: A good fertilization program can keep your lawn green and vigorous. [Brand Name] has a wide selection of fertilizers to help you throughout the year.
- [Brand Name]: These post-emergent products control a wide variety of existing broadleaf weeds while they feed your desirable grass.

**2. State mandated fertilizer labeling requirements:**

**[Note to Supplemental Registrants: Please select the statements relevant to the areas of the country in which your specific product is registered and sold; if any of these statements are relevant to your labeling, please place in the Directions for Use under the heading “3.1 State Restrictions”]**

<b>GUARANTEED ANALYSIS XX-X-X</b>	
Total Nitrogen (N) .....	XX%
x.x% ammoniacal nitrogen	
x.x% urea nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	X%
Soluble Potash (K <sub>2</sub> O) .....	X%
Sulfur (S) .....	X%
x.x% free sulfur (S)	

Derived from: polymer-coated sulfur-coated urea, urea, ammonium phosphate, potassium chloride.  
\*A portion of the urea has been coated to provide x.x% coated slow-release nitrogen.  
This product and/or its manufacture is covered by one or more of the following U.S. patents and international counterparts thereof: US Patent Numbers: xxxxxx

[Note: Fertilizer grades with nutrient contents expressed as the percentages of N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O may include the following: 23-3-7 or x-x-x. The fertilizer grade analyses may contain macronutrients and micronutrients. The nutrient contents expressed will vary among states, and the analyses will differ between supplemental registrations.]

- California, Oregon, Washington: “Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>”
- Florida: [Note to reviewer: maximum number of applications in this section is dually based upon maximum ai load as well as fertilizer analysis effect on maximum nitrogen rates in different regions in Florida]:
  - In North Florida: Do not exceed X applications per year on bermudagrass. Do not exceed X applications per year on centipedegrass. Do not exceed X applications per year on St. Augustine grass. Do not exceed X applications per year on zoysiagrass.
  - In Central Florida: Do not exceed X applications per year on bermudagrass. Do not exceed X applications per year on centipedegrass. Do not exceed X applications per year on St. Augustine grass. Do not exceed X applications per year on zoysiagrass.
  - In South Florida: Do not exceed X applications per year on bermudagrass. Do not exceed X applications per year on centipedegrass. Do not exceed X applications per year on St. Augustine grass. Do not exceed X applications per year on zoysiagrass.
  - Florida Applications: For application to sports turf (non-agricultural land planted exclusively for golf courses, parks and athletic fields), follow "SL 191, 'Recommendations for N, P, K and Mg for Golf Course & Athletic Field Fertilization Base on Mehlich I Extractant'" available at <http://edis.ifas.ufl.edu/SS404>, or "BMP's for Enhancement of Environmental Quality on Florida's Golf Courses" available at <http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glfbmp07.pdf>.
  - Florida Applications: For application to urban turf (non-agricultural land planted in closely mowed, managed grasses except golf courses, parks and athletic fields), follow "Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries" available at [http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP\\_Book\\_final.pdf](http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP_Book_final.pdf).
- Idaho: “Apply only as directed”
- 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 recommended application rates established by the State; or 3) Reestablishing or repairing a turf area.”
- New Jersey: “In the state of New Jersey, this product may be used only when 1) Providing nutrients to specific soils and target vegetation as determined to be necessary pursuant to a soil test conducted by a laboratory identified pursuant to subsection b. of section 6 of P.L.2010, c.112 (C.58:10A-66) and performed no more than three years before the application, and pursuant to the associated annual fertilizer recommendation issued by the New Jersey Agricultural Experiment Station at Rutgers, the State University; 2) Establishing vegetation for the first time, such as after land disturbance, provided the application is in accordance with the standards and requirements established under the “Soil Erosion and Sediment Control Act,” P.L.1975, c.251 (C.4:24-39 et seq.) and the rules and regulations adopted pursuant thereto; 3) Reestablishing or repairing a turf area; or 4) Delivering liquid or granular fertilizer under the soil surface, directly to the feeder roots.”
- New Hampshire: In the state of New Hampshire, this product may only be used on 1) Establishing new lawns, for repairing a lawn, for seeding, or for use when a soil test indicates a phosphorus deficiency.

- Virginia: “In the state of Virginia, this product may be used only on 1) Newly established turf areas from sod or seed during the first growing season; 2) Turf areas being repaired or renovated, and; 3) Turf areas where soil tests performed within the past three years indicate nutrient deficiency.”

## **DOCUMENT CONTROL INFORMATION**

**1. Unique Label Identifier:** 002217-1000.20220923.amend-proposed-clean.doc

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