



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 7, 2018

Wendy Danowski
Regulatory Specialist
Howard Johnson's Enterprises, Inc.
9675 60th St.
Franklin, WI 531132

Subject: Label Amendment – Adding Advanced Soil Technology to the label, general updates
Product Name: Howard Johnson's 0.04% Penoxsulam Fert MF
EPA Registration Number: 32802-81
Application Date: 03/09/2018
Decision Number: 539393

Dear Ms. Danowski:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

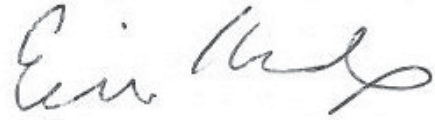
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 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.

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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

with FIFRA section 6. If you have any questions, please contact Lisa Pahel by phone at (703) 347-0459, or via email at pahel.lisa@epa.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read "Erik Kraft", with a stylized flourish at the end.

Erik Kraft, Product Manager 24
Fungicide and Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

[Sub Label A: Residential Uses]

Howard Johnson's 0.04% Penoxsulam FERT MF

Alternate Brand Names: Pennington[®] UltraGreen[®] Southern Weed & Feed MF

For postemergence control of annual and perennial broadleaf weeds in established home lawns and other recreational turfgrass areas.

(See Marketing Claims Section for Additional Claims)

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide.....	0.04%
Other Ingredients	<u>99.96%</u>
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

[See Back/Side Panel for additional Precautionary Statements and First Aid]

_____ LB covers up to _____sq ft [of turfgrass]

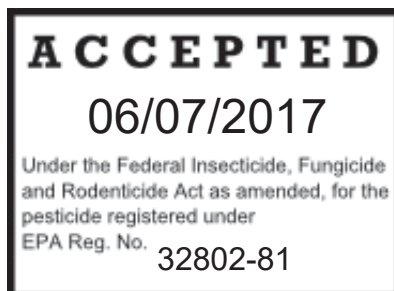
NET WEIGHT [XXX] LB

EPA Reg. No. 32802-81

EPA Est. No. 59144-GA-1A, 35497-OR-1B, 32802-MO-1C, 37351-CO-1D

Subscript used is the First letter of Run Code on Container

[See tag attached to bag for fertilizer guaranteed analysis.]



GUARANTEED ANALYSIS XX-X-X	
Total Nitrogen (N)	XX%
.....	
x.x% ammoniacal nitrogen	
x.x% urea nitrogen*	
Available Phosphate (P ₂ O ₅)	X%
.....	
Soluble Potash (K ₂ 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 ₂ O ₅ and K ₂ 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.	

(Optional additional guarantee statement)

[ALSO CONTAINS NON PLANT FOOD

INGREDIENTS. SOIL AMENDING GUARANTEED ANALYSIS

Active Ingredients:

Mycorrhizal Fungi.....1.12
 props/gm *Glomus intraradices*.....
 0.28 props/gm *Glomus*
 mosseae.....0.28 props/gm
 Glomus etunicatum0.28props/gm
 Glomus aggregatum0.28props/gm

Inert Ingredients (as a soil amendment):

(The % here needs to be adjusted for this formula which includes herbicides;

e.g.) x.xx% Fertilizer ingredients

x.xx% Herbicide ingredients

Lot code: Expiration Date:

(Optional additional guarantee statement)
[ALSO CONTAINS NON PLANT FOOD INGREDIENTS.
(FLORIDA)

SOIL AMENDING GUARANTEED ANALYSIS

Active Ingredients:

0.5% Anionic Polyacrylamide Copolymer (Emulsion)

Inert Ingredients (as a soil amendment):

99.05% Fertilizer Ingredients

(The % here needs to be adjusted for this formula which includes herbicides; e.g.)

x.xx% Fertilizer ingredients

x.xx% Herbicide ingredients

Distributed & Guaranteed by: Howard Johnson's Enterprises,
Inc. 9675 S 60th Street, Franklin, WI 53132

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes Moderate Eye Irritation.

Avoid contact with eyes or clothing. Wear long-sleeved shirt, long pants, and shoes plus socks. Wash thoroughly with soap and water after handling and before eating, drinking chewing gum, or using tobacco.

First Aid

If in eyes: 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may contact 1-800-265-0761 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 runoff to water bodies or drainage systems.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies elsewhere on the label. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1- 800-265-0761.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Directions For Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions For Use carefully before applying.

How This Product Works

Penoxsulam FERT 0.04% Southern MF provides postemergence control of annual, biennial and perennial broadleaf weeds in established home lawns and other recreational turfgrass areas.

Use Precautions

- ☐ To minimize the potential for turfgrass injury, allow four weeks between applications.
- ☐ Avoid unnecessary disturbances, including watering and mowing, for approximately 24 hours after application.

Use Restrictions

- ☐ Do not apply Penoxsulam FERT 0.04% Southern MF on dichondra, carpetgrass, bahiagrass, or turfgrass containing desirable clovers.
- ☐ Do not apply Penoxsulam FERT 0.04% Southern MF directly to, or otherwise permit Penoxsulam FERT 0.04% Southern MF to come into contact with flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious plant injury may occur.
- ☐ Do not apply to centipedegrass during the period of winter dormancy. Grass needs to be green and actively growing at application.
- ☐ To minimize the potential for turfgrass injury, allow four weeks between applications.
- ☐ Use Penoxsulam FERT 0.04% Southern MF on solid (monoculture) stands of perennial ryegrass or tall fescue at a maximum rate of 1.2 lb (0.00048 lb ai) per 1000 sq ft. Some yellowing of these turfgrasses may occur within two weeks of application. Any discoloration is temporary and will dissipate under adequate growing conditions.
- ☐ Do not apply more than $3.4/[X; X < 3.4]$ lb (0.0014 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq ft per application. (to allow for state restrictions)
- ☐ Do not apply more than 5.1 lb (0.0020 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq ft per year. If one application is made at 3.4 lb (0.0014 lb ai), of Penoxsulam FERT 0.04% Southern MF per 1000 sq ft, a second application of up to 1.7 lb (0.0007 lb ai) per 1000 sq ft may be made.
- ☐ Do not make more than 4 applications per year when using reduced application rates.
- ☐ 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.

- ☐ Apply Penoxsulam FERT 0.04% Southern MF 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.
- ☐ APPLICATION LIMITS: Certain states have limits on fertilizer application rates and timing. Consult your local State Cooperative Extension for current information on annual application limitations for [turf/lawn] fertilizers in your region.
- ☐ ☐ In Florida: Do not apply to lawns in North Florida during winter months.
- ☐ (Note: If registered in the state of Florida, any of the following statements may be added as appropriate)
 - In Florida, do not exceed X applications per year on Bahiagrass in the North, and X per year in Central and South Florida.
 - In Florida, do not exceed X applications per year on Bermudagrass in the North, or X applications per year in Central and X applications per year in South Florida.
 - In Florida, do not exceed X applications per year on Centipedegrass in the North, or X applications per year in Central and South Florida.
 - In Florida, do not exceed X applications per year on St. Augustinegrass in the North, or X applications per year in Central and X applications per year in South Florida.
 - In Florida, do not exceed X applications per year on Zoysiagrass in the North, or X applications per year in Central and South Florida.
 - (Note: may also be expressed in tabular format.)
- In the state of Florida: Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn/garden, and sweep any product that lands on the driveway, sidewalk, or street, back onto your lawn/garden.

Treatment on Turfgrass Species Not Listed on the Label for Penoxsulam FERT 0.04% Southern MF

Users who wish to use Penoxsulam FERT 0.04% Southern MF 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 needs to be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is sensitive. Applications must not be made to turfgrass under stress. To the extent consistent with applicable law, the user assumes responsibility for any plant damage or other liability resulting from the use of Penoxsulam turfgrass species not listed below on this label.

Weeds Controlled or Suppressed

Weeds Controlled or Suppressed		Rate
		lb/1000 sq ft
burdock burnweed, American buttercup, hairy chickweed, common chickweed, mouseear clover, hop clover, red clover, white cocklebur, common coffeeweed common vetch creeping beggarweed curly dock dandelion, common dollarweed dwarf beggarweed English lawn daisy false dandelion Florida betony goldenrod hawkweed henbit ivy, ground	lambsquarters lespedeza, common matchweed medic, black parsley-piert plantain, broadleaf plantain, buckhorn purslane, common ragweed, common round leaf mallow sheep sorrel shepherd's purse smartweed speedwell, common spotted catsear spurge, spotted spurweed Virginia buttonweed ¹ Virginia pepperweed wild violet woodsorrel, creeping woodsorrel, yellow	2.5
Kyllinga, annual and green (suppression only) ¹	Nutsedge, purple and yellow (suppression only) ¹	

¹ Re-treatment may be necessary

How Much to Apply

Penoxsulam FERT 0.04% Southern MF is directed for use on the following established turfgrass species (numbers in parentheses (-) refer to footnotes below):

Established Cool Season Turfgrass (1)

annual bluegrass
 bentgrass
 bluegrass, Kentucky
 fescue, chewing
 fescue, creeping red
 fescue, sheeps
 fescue, tall (2)
 ryegrass, perennial (2)

Established Warm Season Turfgrass (3)

bermudagrass (common or hybrid)

centipedegrass (4)

fescue, tall (growing in warm season areas) (2)

kikuyugrass

seashore paspalum

St. Augustinegrass

zoysiagrass

Footnotes (Restrictions)

1. Use no more than 2.3 lb (0.00092 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft. per application and 5.1 lb (0.0020 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft. per year. Allow four weeks between applications and make no more than 4 applications per year when using reduced application rates.
2. Use Penoxsulam FERT 0.04% Southern MF on these species at a maximum rate of 1.2 lb (0.00048 lb ai) per 1000 sq. ft. per application and only if some injury is acceptable. A slight yellowing of turfgrass may occur within two weeks of application. The discoloration is temporary and is generally gone within four weeks of treatment under adequate growing conditions. Use no more than 4.8 lb (0.0019 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft. per year. Allow four weeks between applications and make no more than 4 applications per year.
3. Use no more than 3.4 lb (0.0014 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft. per application and 5.1 lb (0.0020 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft. per year. If the first application is made at 3.4 lb (0.0014 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft., the second application may be no more than 1.7 lb (0.0007 lb ai) per 1000 sq. ft. Allow four weeks between applications and make no more than 4 applications per year when using reduced application rates.
4. Do not apply to centipedegrass during the period of winter dormancy. Grass needs to be green and actively growing at application.

Apply Penoxsulam FERT 0.04% Southern MF using a drop or rotary-type spreader designed to apply granules. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or turfgrass injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

To optimize product performance, mow the turfgrass two to three days before applying Penoxsulam FERT 0.04% Southern MF. If the turfgrass is under moisture stress, a thorough sprinkler irrigation of at least ½ inch may be needed at least one to two days before application. For optimal results, apply Penoxsulam FERT 0.04% Southern MF in the

morning when dew is present. If necessary, sprinkler irrigate with less than ¼ inch of water just prior to application to maximize particle adherence to leaf surfaces. Do not water treated area for 24 hours following application. Do not make applications if rainfall is expected within 24 hours after treatment.

Application Techniques for Applying Penoxsulam FERT 0.04% Southern MF

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is advised. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is advised for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.

Spreader Settings as a Guide for Calibration

Note: These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings should be considered as approximate and are not intended to be used as absolute recommendations by Howard Johnson's Enterprises, Inc.

Optional Spreader Chart

Spreader	Setting Delivers 2.5/[X] lb./1000 sq.ft.
Scotts® Turf Builder® Classic Drop	X
Scotts® Turf Builder® Edgeguard® Mini	X
Sta-Green® Broadcast	X
Pennington® Broadcast	X
[Additional spreader brands]	X

How Much to Apply

To apply Penoxsulam FERT 0.04% Southern MF, use the rate appropriate for the established turfgrass (Cool Season or Warm Season) in your lawn. Possible re-treatment in approximately 30 days may be necessary if turfgrass is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth.

Restrictions: Do not exceed specified rates because damage to turfgrass may occur. Do not apply more than 3.4 lb (0.0014 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft. per application and 5.1 lb (0.0020 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft. per year. If the first application is made at 3.4 lb (0.0014 lb ai) of Penoxsulam FERT 0.04% Southern MF per 1000 sq. ft., the second application may be no more than 1.7 lb (0.0007 lb ai) per 1000 sq. ft. Do not make more than four applications per year at intervals of 30 days when using reduced application rates.

Note: When applying to warm season turfgrass under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor temporary discoloration. Reduce application rates by 50% during hot, dry conditions to avoid possible dehydration or browning of grasses.

Broadcast Rates for Penoxsulam FERT 0.04% Southern MF

Bag Size	Rate	Treated Area
Lb	lb/1000 sq ft	sq ft
12.5	2.5	5,000
18.75	2.5	7,500
37.5	2.5	15,000
XXX	2.5	XXXX

When to Apply

Best weed control results are obtained when Penoxsulam FERT 0.04% Southern MF is applied to small, actively growing weeds in the spring or early fall. Extreme growing conditions such as drought or near freezing temperatures prior to, at, or following time of application may reduce weed control. Broadleaf weed species germinate at different times.

This product may also be applied to newly established warm season turfgrass. Delay treatments four weeks after sodding, sprigging or plugging.

Storage and Disposal

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

Pesticide Storage: Store in original container, in a cool, dry place. inaccessible to children and domestic animals.

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 1-800-265-0761 for disposal instructions. Never place unused product down any indoor or outdoor drain.

Warranty

The directions for use of this product are believed to be adequate and must be followed carefully, it is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Howard Johnson's Enterprises, Inc. the manufacturer, or the

seller.

Seller 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 strict accordance with the directions, subject to the inherent risks set forth above.

To the extent permitted by law, Howard Johnson's Enterprises, Inc, the manufacturer, or the seller makes no other warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Howard Johnson's Enterprises, Inc the manufacturer's or the seller's total liability shall be limited to damages not exceeding the cost of the product.

No agent or employee of Howard Johnson's Enterprises, Inc, or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product.

To the extent consistent with applicable law, Howard Johnson's Enterprises, Inc, the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages.

Fertilizer Labeling Requirements by Association of American Plant Food Control Officials (AAPFCO):

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

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-xx.com>

When applied as directed, this product meets the guidelines for metals adopted by the Association of American Plant Food Control Officials. Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html>.

Certain states have limits on fertilizer application rates and timing. Consult your State Cooperative Extension for current information on annual application limitations for lawn fertilizers in your region.

Information regarding the raw materials composing this product can be obtained by writing to the Guarantor listed on this label and referring to the batch number found on this container.

If Registered in Florida:

Apply only to activity growing turf. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any

product that lands in the driveway, sidewalk, or street, back onto your lawn. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. [Check with your county or city government to determine if there are local regulations for fertilizer use. / Check with your county or city government to determine if there are local restrictions on fertilizer use or application.]

APPENDIX FOR LABEL A

1. Advertising claims and marketing phrases that may be presented on promotional materials and the container labels of supplemental registrants.

Herbicide Benefit Claims

- ☐ Kills Tough Existing Weeds* and Controls New Weeds for 3 Months! *dollarweed, clover, dandelion, henbit and chickweed
- ☐ Controls tough weeds including dollarweed, clover, dandelion, henbit and chickweed
- ☐ Use for a beautiful weed-free lawn
- ☐ Effective weed control leads to greener, thicker lawns
- ☐ Apply anytime when weeds are actively growing
- ☐ Kills clover, dollarweed, dandelion, henbit & chickweed

- ☐ Controls a wide variety of existing broadleaf weeds [including dollarweed, dandelion and clover] while feeding your grass.

Fertilizer Benefit Claims

- ☐ [Feeds] [Greens] [Feeds and greens] for [up to] 3 months [guaranteed] (to be used only on formulations with controlled release technology)
- ☐ Feeds with slow release fertilizer for [up to] 3 months (to be used only on formulations with controlled release technology)
- ☐ Quick Greening [and Extended Feeding] (to be used only on formulations with controlled release technology)

- ☐ Helps strengthen lawn against heat & drought
- ☐ [Rich in] Nitrogen for a lush, green lawn
- ☐ [Enriched with] Potassium for overall plant vigor

- ☐ [Contains] Nitrogen for lush, green plant growth
- ☐ [Contains] Potassium for [overall plant vigor] [drought & disease resistance]
- ☐ Enhanced Efficiency Fertilizer - [feed more lawn with less fertilizer] (to be used only on formulations with enhanced efficiency nitrogen)
- ☐ You only need XX pounds [of fertilizer] to cover XXXX square feet
- ☐ Promotes thick, full grass

- ☐ Delivers nutrients more efficiently than fertilizers without enhanced efficiency nitrogen (to be used only on formulations with enhanced efficiency nitrogen)
- ☐ Allows grass to use more of the fertilizer you buy & apply (to be used only on formulations with enhanced efficiency nitrogen)
- ☐ Contains slow release nitrogen for extended [greening] [feeding]

Fungi Benefit Claims

- Boosts Nutrient Uptake for a Lush, Green Lawn
- Increases Drought Resilience & Reduces Watering Needs by Extending Root Absorption Area
- Increased root absorption area for more efficient use of water in [the] soil
- Allows grass to use more of the fertilizer you buy and apply
- [Contains mycorrhizal fungi for] enhanced nutrient uptake
- Increased root absorption area to protect against heat & drought
- Increase absorption [area of roots, of fertilizer]
- Enhance nutrient uptake
- [Contains/With] MYCO Advantage™ (mycorrhizal fungi) for better results than [fertilizer alone, ordinary fertilizer]

Marketing Claims

- [For use on residential lawns]
- NOTICE- This product contains chemicals known to the State of California to cause birth defects or other reproductive harm
- Covers up to XXXX sq.ft.

- **The Pennington® UltraGreen® Difference**

Pennington® UltraGreen® products are more efficient than ordinary fertilizers. Half of the nitrogen in this premium line* is stabilized, which allows grass to use more of the nutrients you put down and reduces nutrient loss to the environment. The other half of the nitrogen is slow-release for extended feeding for [up to] 3 months.

Additionally, these unique fertilizer blends contain mycorrhizal fungi, natural organisms that have been present in vigorous soils for millions of years. These microscopic fungi increase the surface absorbing area of roots, greatly improving the ability of the lawn to access vital soil resources such as water and nutrients.

These tiny fertilizer granules are packed with essential plant nutrients and fungi, so you can feed more lawn with less fertilizer.

*excluding Pennington UltraGreen Starter Fertilizer

- **Benefits of Pennington® UltraGreen® Southern MF Weed & Feed 30-0-4**

- Promotes thick, green grass
- Half of the total nitrogen in this product is slow-release and feeds for [up to] 3 months [guaranteed]
- Half of the total nitrogen is stabilized for less leaching into the environment

- Pennington® UltraGreen® Southern MF Weed & Feed 30-0-4 **WILL NOT BURN** when used as directed. We're so confident you'll love the results of using this product that it comes with the **Pennington Satisfaction Guarantee**. †

[Can also be used on] [Also] [for] established listed warm season grasses
 [Can also be used on] [Also] [for] [bermudagrass], [zoysiagrass], [centipedegrass],
 [Kikuyugrass], and [seashore paspalum]

[Can also be used on] [Also for] established listed warm and cool season grasses
 [Can also be used on] [Also for] [Centipede] [Bermudagrass], [Zoysiagrass], [Tall
 Fescue] and other listed warm season grasses

† Pennington Satisfaction Guarantee: If, after following the instructions, you are not satisfied with the product results, send your name, address, and proof of purchase (original dated receipt) to:

Pennington Refund
 1000 Parkwood Circle, Suite 700
 Atlanta, GA 30339

[Sub Label B: Commercial Uses]

PENOXsulAM	GROUP	2	Herbicide
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Howard Johnson's 0.04% Penoxsulam FERT MF

For postemergence control of annual and perennial broadleaf weeds in established turfgrass, including residential lawns, golf courses, parks, sports fields, sod farms and around commercial buildings and other recreational and commercial turfgrass areas.

(See Marketing Claims Section for Additional Claims)

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide.....	0.04%
Other Ingredients	99.96%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

[See Back/Side Panel for additional Precautionary Statements and First Aid]

_____ LB covers up to _____sq ft [of turfgrass]

NET WEIGHT XXX LB

EPA Reg. No. 32802-TBD

EPA Est. No. 59144-GA-1_A, 35497-OR-1_B, 32802-MO-1_C, 37351-CO-1_D

Subscript used is the First letter of Run Code on Container

[See tag attached to bag for fertilizer guaranteed analysis.]

GUARANTEED ANALYSIS XX-X-X	
Total Nitrogen (N)	XX%
.....	
x.x% ammoniacal nitrogen	
x.x% urea nitrogen*	
Available Phosphate (P ₂ O ₅)	X%
.....	
Soluble Potash (K ₂ 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 ₂ O ₅ and K ₂ 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.	

(Optional additional guarantee statement)

[ALSO CONTAINS NON PLANT FOOD

INGREDIENTS. SOIL AMENDING GUARANTEED ANALYSIS

Active Ingredients:

Mycorrhizal Fungi.....1.12
 props/gm *Glomus intraradices*..... 0.28
 props/gm *Glomus mosseae*.....0.28
 props/gm *Glomus etunicatum*
0.28props/gm *Glomus aggregatum*
0.28props/gm

Inert Ingredients (as a soil amendment):

(The % here needs to be adjusted for this formula which includes herbicides;

e.g.) x.xx% Fertilizer ingredients

x.xx% Herbicide ingredients

Lot code: Expiration Date:

(Optional additional guarantee statement)
[ALSO CONTAINS NON PLANT FOOD INGREDIENTS.
(FLORIDA)
SOIL AMENDING GUARANTEED ANALYSIS

Active Ingredients:
0.5% Anionic Polyacrylamide Copolymer (Emulsion)
Inert Ingredients (as a soil amendment):
99.05% Fertilizer Ingredients

(The % here needs to be adjusted for this formula which includes herbicides; e.g.)
x.xx% Fertilizer ingredients
x.xx% Herbicide ingredients

Distributed & Guaranteed by: Howard Johnson's Enterprises,
Inc. 9675 S 60th Street, Franklin, WI 53132

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic

Animals Causes Moderate Eye Irritation.

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking chewing gum, or using tobacco.

Personal Protective Equipment (PPE)

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 Controls

When handlers use closed systems, enclosed cabs, or aircraft 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 Directions

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

First Aid

If in eyes: 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may contact 1-XXX-XXX-XXXX for emergency medical treatment information.

Environmental Hazards

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Directions For Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions For Use carefully before applying.

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.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- ☐ Coveralls
- ☐ Chemical-resistant gloves made of any waterproof material
- ☐ Shoes plus socks

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies elsewhere on the label. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-XXX-XXX-XXXX.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

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, forests, nurseries, or greenhouses.

Entry Restrictions for Non-WPS Uses: Keep unprotected persons out of treated areas until dusts have settled.

Storage and Disposal

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

Pesticide Storage: Store in cool dry place in original container.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Nonrefillable rigid containers 5 gallons or less:

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Nonrefillable nonrigid containers:

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refillable rigid containers larger than 5 gal

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Nonrefillable rigid containers larger than 5 gal:

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Tip container on side and roll it back and forth,

ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Information

Penoxsulam FERT 0.04% Southern MF provides postemergence control of annual, biennial and perennial broadleaf weeds in established turfgrass, including residential lawns, golf courses, parks, sports fields, sod farms and around commercial buildings and other recreational and commercial turfgrass areas.

Use Precautions

- To minimize the potential for turfgrass injury, allow four weeks between applications.
- Avoid unnecessary disturbances, including watering and mowing, for approximately 24 hours after application.
- In the state of Florida: For application to sports turf (non-agricultural land planted exclusively for golf courses, parks, and athletic fields) follow “SL191, Recommendations for N, P, K and Mg for Golf Course & Athletic Field Fertilization Base on Mehlich | 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/gfbmp07.pdf>
- In the state of Florida: 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_fina l.pdf

Use Restrictions

- ☐ Do not apply Penoxsulam FERT 0.04% Southern MF on dichondra, carpetgrass, bahiagrass, or turfgrass containing desirable clovers.
- ☐ Do not apply Penoxsulam FERT 0.04% Southern MF directly to, or otherwise permit Penoxsulam FERT 0.04% Southern MF to come into contact with flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious plant injury may occur.
- ☐ Do not apply to centipedegrass during the period of winter dormancy. Grass needs to be green and actively growing at application.
- ☐ Use Penoxsulam FERT 0.04% Southern MF on solid (monoculture) stands of perennial ryegrass or tall fescue at a maximum rate of 50 lb (0.02 lb ai penoxsulam) per acre. Some yellowing of these turfgrasses may occur within two weeks of application. Any discoloration is temporary and will dissipate under adequate growing conditions. Do not

apply more than four applications per year (maximum 200 lb (0.08 lb ai penoxsulam) per acre and allow four weeks between applications.

- ☐ Do not apply more than 150 lb/[X lb; X < 150] of Penoxsulam FERT 0.04% Southern MF (0.06 lb ai penoxsulam) per acre per application (to allow for state restrictions). If the first application is made at 150 lb (0.06 lb ai penoxsulam) of Penoxsulam FERT 0.04% Southern MF per acre, the second application may not exceed 75 lb (0.03 lb ai penoxsulam) per acre. Do not apply more than 225 lb of Penoxsulam FERT 0.04% Southern MF (0.09 lb ai penoxsulam) per acre per year. Do not apply more than four applications per year and allow four weeks between applications when using reduced application rates.
- ☐ 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.
- ☐ Apply Penoxsulam FERT 0.04% Southern MF 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.
- ☐ APPLICATION LIMITS: Certain states have limits on fertilizer application rates and timing. Consult your local State Cooperative Extension for current information on annual application limitations for [turf/lawn] fertilizers in your region.
- ☐ ☐ In Florida: Do not apply to lawns in North Florida during winter months.
- ☐ In the state of Florida, this product shall be applied at rates not exceeding those specified in the document titled Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries.
- ☐
- ☐ (Note: If registered in the state of Florida, any of the following statements may be added as appropriate)
 - In Florida, do not exceed X applications per year on Bahiagrass in the North, and X per year in Central and South Florida.
 - In Florida, do not exceed X applications per year on Bermudagrass in the North, or X applications per year in Central and X applications per year in South Florida.
 - In Florida, do not exceed X applications per year on Centipedegrass in the North, or X applications per year in Central and South Florida.
 - In Florida, do not exceed X applications per year on St. Augustinegrass in the North, or X applications per year in Central and X applications per year in South Florida.
 - In Florida, do not exceed X applications per year on Zoysiagrass in the North, or X applications per year in Central and South Florida.
 - (Note: may also be expressed in tabular format.)
- ☐ In the state of Florida: Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn/garden, and sweep any product that lands on the driveway, sidewalk, or street, back onto your lawn/garden.

Treatment on Turfgrass Species Not Listed on the Label for Penoxsulam FERT 0.04% Southern MF

Users who wish to use Penoxsulam FERT 0.04% Southern MF 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 needs to be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is sensitive. Applications must not be made to turfgrass under stress. To the extent consistent with applicable law, the user assumes responsibility for any plant damage or other liability resulting from the use of Penoxsulam FERT 0.04% Southern MF on turfgrass species not listed below on this label.

Weeds Controlled or Suppressed

Weeds Controlled or Suppressed		Rate	
		lb/acre	lb/1000 sq ft
Burdock burnweed, American buttercup, hairy chickweed, common chickweed, mouseear clover, hop clover, red clover, white cocklebur, common coffeeweed common vetch creeping beggarweed curly dock dandelion, common dollarweed dwarf beggarweed English lawn daisy false dandelion Florida betony goldenrod hawkweed henbit ivy, ground	lambsquarters lespedenza, common matchweed medic, black parsley-piert plantain, broadleaf plantain, buckhorn purslane, common ragweed, common round leaf mallow sheep sorrel shepherd's purse smartweed speedwell, common spotted catsear spurge, spotted spurweed Virginia buttonweed ¹ Virginia pepperweed wild violet woodsorrel, creeping woodsorrel, yellow	104	2.5
Kyllinga, annual and green (suppression only) ¹	Nutsedge, purple and yellow (suppression only) ¹	108	2.5

¹ Re-treatment may be necessary

Resistance Management

Howard Johnson's 0.04% Penoxsulam FERT MF is a Group 2 herbicide.

Apply this herbicide at the correct timing and rate needed to control the most difficult weed in the field.

Fields should be scouted prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective. Fields should also be scouted after application to verify that the treatment was effective.

Suspected herbicide-resistant weeds may be identified by these indicators:

- * Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- * A spreading patch of non-controlled plants of a particular weed species; and
- * Surviving plants mixed with controlled individuals of the same species.

Report any incidence of non-performance of this product against a particular weed species to your retailer, representative or call 1-800-XXX-XXXX. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.

To the extent possible, use a diversified approach toward weed management. Whenever possible incorporate multiple weed-control practices such as mechanical cultivation, and biological management practices. To the extent possible do not allow weed escapes to produce seeds, roots or tubers.

Thoroughly clean plant residues from equipment before leaving fields. Prevent an influx of weeds into the field by managing field borders. Difficult to control weeds may require sequential applications of herbicides with differing mechanisms of action.

Do not use more than two applications of this or any other herbicide with the same mechanism of action within a single growing season unless mixed with an herbicide with another mechanism of action with an overlapping spectrum for the difficult-to-control weeds. If resistance is suspected, treat weed escapes with an herbicide with a different MOA or use non-chemical methods to remove escapes.

Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions.

Application Directions

Penoxsulam FERT 0.04% Southern MF is directed for use on the following established turfgrass species (numbers in parentheses (-) refer to footnotes below):

Established Cool Season Turfgrass (1)

Common Name	Scientific Name
annual bluegrass	<i>Poa annua</i>
bentgrass	<i>Agrostis</i> species
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, chewing	<i>Festuca rubra</i> var. <i>commutata</i>
fescue, creeping red	<i>Festuca rubra</i>
fescue, sheeps	<i>Festuca ovina</i>
fescue, tall (2)	<i>Festuca arundinaceae</i>
ryegrass, perennial (2)	<i>Lolium perenne</i>

Established Warm Season Turfgrass (3)

Common Name

bermudagrass (common or hybrid)
centipedegrass (4)
Fescue, tall (growing in warm season areas) (2)
kikuyugrass
seashore paspalum
St. Augustinegrass
zoysiagrass
zoysiagrass

Scientific Name

Cynodon dactylon
Eremochloa ophiuroides
Festuca arundinaceae
Pennisetum clandestinum
Paspalum vaginatum
Stenotaphrum secundatum
Zoysia japonica
Zoysia tenuifolia

Footnotes (Restrictions)

1. Use no more than 100 lb of Penoxsulam FERT 0.04% Southern MF (0.04 lb ai penoxsulam) per acre per application. Use no more than 225 lb of Penoxsulam FERT 0.04% Southern MF (0.09 lb ai penoxsulam) per acre per year. Make no more than four applications per year and allow four weeks between applications when using reduced application rates.
2. Use Penoxsulam FERT 0.04% Southern MF on these species at a maximum rate of 50 lb (0.02 lb ai penoxsulam) per acre per application and only if some injury is acceptable. A slight yellowing of turfgrass may occur within two weeks of application. The discoloration is temporary and is generally gone within four weeks of treatment under adequate growing conditions. Use no more than 200 lb of Penoxsulam FERT 0.04% Southern MF (0.08 lb ai penoxsulam) per acre per year. Make no more than four applications per year and allow four weeks between applications.
3. Use no more than 150 lb of Penoxsulam FERT 0.04% Southern MF (0.06 lb ai penoxsulam) per acre per application. If the first application is made at 150 lb (0.06 lb ai penoxsulam) of Penoxsulam FERT 0.04% Southern MF per acre, the second application may be no more than 75 lb (0.03 lb ai penoxsulam) per acre. Use no more than 225 lb of Penoxsulam FERT 0.04% Southern MF (0.09 lb ai penoxsulam) per acre per year. Make no more than four applications per year and allow four weeks between applications when using reduced application rates.
4. Do not apply to centipedegrass during the period of winter dormancy. Grass needs to be green and actively growing at application.

Apply Penoxsulam FERT 0.04% Southern MF using a drop or rotary-type spreader designed to apply granules. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or turfgrass injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

To optimize product performance, mow the turfgrass two to three days before applying Penoxsulam FERT 0.04% Southern MF. If the turfgrass is under moisture stress, a thorough sprinkler irrigation of at least ½ inch may be needed at least one to two days before application. For optimal results, apply Penoxsulam FERT 0.04% Southern MF in the morning when dew is present. If necessary, sprinkler irrigate with less than ¼ inch of water just prior to application to maximize particle adherence to leaf surfaces. Do not water treated area for 24 hours following application. Do not make applications if rainfall is expected within 24 hours after treatment.

Application Techniques for Applying Penoxsulam FERT 0.04% Southern MF

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is advised. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is advised for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over application.

Spreader Settings as a Guide for Calibration

Note: These settings are provided as a suggested starting point in calibrating each individual spreader. Since no two spreaders are alike, these settings should be considered as approximate and are not intended to be used as absolute recommendations by Howard Johnson's Enterprises, Inc.

Optional Spreader Chart

Spreader	Setting for Spreader
	Rate of Penoxsulam FERT 0.04% Southern 104 lb/[X lb]/acre
Spreader Brands	XX

Rates and Timing of Application

Apply 104 lb of Penoxsulam FERT 0.04% Southern MF per acre (2.5 lb per 1000 sq ft) per application to established turfgrass. Possible re-treatment in approximately 30 days may be necessary if turfgrass is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed 225 lb of Penoxsulam FERT 0.04% Southern MF per acre (0.09 lb ai penoxsulam per acre) (5.4 lb per 1000 sq ft) because damage to turfgrass may occur. Make no more than four applications per year and allow four weeks between applications when using reduced application rates.

Note: When applying to warm season turfgrass under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor temporary

discoloration. Reduce application rates by 50% during hot, dry conditions to avoid possible dehydration or browning of grasses.

Broadcast Rates for Penoxsulam FERT 0.04% Southern MF

Bag Size	Rate		Treated Area	
lb	Lb/acre	lb/1000 sq ft	Acre	sq ft
12.5	104	2.5	0.11	5,000
18.75	104	2.5	0.17	7,500
37.5	104	2.5	0.34	15,000
XXX	XXX	XXX	XXX	XXX

Best weed control results are obtained when Penoxsulam FERT 0.04% Southern MF is applied to small, actively growing weeds in the spring or early fall. Extreme growing conditions such as drought or near freezing temperatures prior to, at, or following time of application may reduce weed control. Broadleaf weed species germinate at different times.

This product may also be applied to newly established warm season turfgrass. Delay treatments four weeks after sodding, sprigging or plugging.

Warranty

The directions for use of this product are believed to be adequate and must be followed carefully, it is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Howard Johnson's Enterprises, Inc. the manufacturer, or the seller.

Seller 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 strict accordance with the directions, subject to the inherent risks set forth above.

To the extent permitted by law, Howard Johnson's Enterprises, Inc, the manufacturer, or the seller makes no other warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Howard Johnson's Enterprises, Inc the manufacturer's or the seller's total liability shall be limited to damages not exceeding the cost of the product.

No agent or employee of Howard Johnson's Enterprises, Inc, or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product.

To the extent consistent with applicable law, Howard Johnson's Enterprises, Inc, the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages.

Fertilizer Labeling Requirements by Association of American Plant Food Control Officials (AAPFCO):

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

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-xx.com>

When applied as directed, this product meets the guidelines for metals adopted by the Association of American Plant Food Control Officials. Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html>.

Certain states have limits on fertilizer application rates and timing. Consult your State Cooperative Extension for current information on annual application limitations for lawn fertilizers in your region.

Information regarding the raw materials composing this product can be obtained by writing to the Guarantor listed on this label and referring to the batch number found on this container.

If Registered in Florida:

Apply only to activity growing turf. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands in the driveway, sidewalk, or street, back onto your lawn. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. [Check with your county or city government to determine if there are local regulations for fertilizer use. / Check with your county or city government to determine if there are local restrictions on fertilizer use or application.]

APPENDIX FOR LABEL B

1. Advertising claims and marketing phrases that may be presented on promotional materials and the container labels of supplemental registrants.

Herbicide Benefit Claims

- Kills Tough Existing Weeds* and Controls New Weeds for 3 Months!
*dollarweed, clover, dandelion, henbit and chickweed
- Controls tough weeds including dollarweed, clover, dandelion,] henbitand chickweed
- Use for a beautiful weed-free lawn
- Effective weed control leads to greener, thicker lawns

- Apply anytime when weeds are actively growing
- Kills clover, dollarweed, dandelion, henbit & chickweed
- Controls a wide variety of existing broadleaf weeds [including dollarweed, dandelion and clover] while feeding your grass.

Fertilizer Benefit Claims

- [Feeds] [Greens] [Feeds and greens] for [up to] 3 months [guaranteed] (to be used only on formulations with controlled release technology)
- Feeds with slow release fertilizer for [up to] 3 months (to be used only on formulations with controlled release technology)
- Quick Greening [and Extended Feeding] (to be used only on formulations with controlled release technology)
- Helps strengthen lawn against heat & drought
- [Rich in] Nitrogen for a lush, green lawn
- [Enriched with] Potassium for overall plant vigor
- [Contains] Nitrogen for lush, green plant growth
- [Contains] Potassium for [overall plant vigor] [drought & disease resistance]
- Enhanced Efficiency Fertilizer - [feed more lawn with less fertilizer] (to be used only on formulations with enhanced efficiency nitrogen)
- You only need XX pounds [of fertilizer] to cover XXXX square feet
- Promotes thick, full grass
- Delivers nutrients more efficiently than fertilizers without enhanced efficiency nitrogen (to be used only on formulations with enhanced efficiency nitrogen)
- Allows grass to use more of the fertilizer you buy & apply (to be used only on formulations with enhanced efficiency nitrogen)
- Contains slow release nitrogen for extended [greening] [feeding]

Fungi Benefit Claims

- Boosts Nutrient Uptake for a Lush, Green Lawn
- Increases Drought Resilience & Reduces Watering Needs by Extending Root Absorption Area
- Increased root absorption area for more efficient use of water in [the] soil
- Allows grass to use more of the fertilizer you buy and apply
- [Contains mycorrhizal fungi for] enhanced nutrient uptake
- Increased root absorption area to protect against heat & drought
- Increase absorption [area of roots, of fertilizer]
- Enhance nutrient uptake
- [Contains/with] MYCO Advantage™ (mycorrhizal fungi) for better results than [fertilizer alone, ordinary fertilizer]

Marketing Claims

- NOTICE- This product contains chemicals known to the State of California to cause birth defects or other reproductive harm
- Covers up to XXXX sq.ft.

The Pennington® UltraGreen® Difference

Pennington® UltraGreen® products are more efficient than ordinary fertilizers. Half of the nitrogen in this premium line* is stabilized, which allows grass to use more of the nutrients you put down and reduces nutrient loss to the environment. The other half of the nitrogen is slow-release for extended feeding for [up to] 3 months.

Additionally, these unique fertilizer blends contain mycorrhizal fungi, natural organisms that have been present in vigorous soils for millions of years. These microscopic fungi increase the surface absorbing area of roots, greatly improving the ability of the lawn to access vital soil resources such as water and nutrients.

These tiny fertilizer granules are packed with essential plant nutrients and fungi, so you can feed more lawn with less fertilizer.

*excluding Pennington UltraGreen Starter Fertilizer

- **Benefits of Pennington® UltraGreen® Southern MF Weed & Feed 30-0-4**
 - Promotes thick, green grass
 - Half of the total nitrogen in this product is slow-release and feeds for [up to] 3 months [guaranteed]
 - Half of the total nitrogen is stabilized for less leaching into the environment
- Pennington® UltraGreen® Southern MF Weed & Feed 30-0-4 **WILL NOT BURN** when used as directed. We're so confident you'll love the results of using this product that it comes with the **Pennington Satisfaction Guarantee**. †

† Pennington Satisfaction Guarantee: If, after following the instructions, you are not satisfied with the product results, send your name, address, and proof of purchase (original dated receipt) to:

Pennington Refund
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339

Additional Optional Marketing Claims

Fertilizer

Feeds to thicken lawn and crowd out weeds
Special formula that thickens and promotes a lush, deep green lawn
100% satisfaction guaranteed or your money back
Feeds and strengthens to help protect against future problems
Feeds to thicken lawn and crowd out weeds
Builds strong, deep roots to protect from drought and heat
[Promotes turf growth] [and] [deepens [turf] [lawn] [grass] roots]

Micro Nutrients

Enriched with micro-nutrients to revitalize soil

AST

Helps lawns retain water to protect against heat & drought
Strengthens lawn against heat & drought
Boosts Nutrient Uptake for a Lush, Green Lawn
Water Less: Retains more water in the soil* (*vs. soil not treated with AST)
Reduces Watering Needs
Helps maintain more moisture in the soil
Helps hold moisture & nutrients in the soil [so more is available for your lawn]
Helps keep [water], [fertilizer], [soil], & [nutrients] in [place] [soil] [to prevent runoff]
Reduces soil compaction
Boosts Nutrient Uptake for a Lush, Green Lawn

Iron

Contains X% iron for [[quick] deep green] [lawn]
For a [deep] green lawn
For a lush, thick deep green lawn
Greens quickly
Added Iron for deeper green

Optional Text

The Pennington® [Product Name] Difference

(with AST, Iron and Micros)

This premium blended fertilizer is packed with essential plant nutrients to give you the thick, green lawn you desire. It has both fast acting nitrogen for quick greening, and slow release nitrogen for up to 3 months of feeding. There are also added plant nutrients such as iron, magnesium, manganese, copper and zinc, for a deep green and plant vigor. Additionally, it contains AST®

Advanced Soil Technology™, allowing the soil to retain more water [and nutrients], and give your grass what it needs to grow with less watering.

[Product Name] WILL NOT BURN when used as directed. We're so confident you'll love the results of [Product Name], that it comes with the Pennington Satisfaction Guarantee.†

(With AST and Iron)

This premium blended fertilizer is packed with essential plant nutrients to give you the thick, green lawn you desire. It has both fast acting nitrogen for quick greening, and slow release nitrogen for up to 3 months of feeding. With X% Iron, this fertilizer will give you a deep, dark green lawn. Additionally, it contains AST® Advanced Soil Technology™, allowing the soil to retain more water [and nutrients], and give your grass what it needs to grow with less watering.

[Product Name] WILL NOT BURN when used as directed. We're so confident you'll love the results of [Product Name], that it comes with the Pennington Satisfaction Guarantee.†

(With Iron)

This premium blended fertilizer is packed with essential plant nutrients to give you the thick, green lawn you desire. It has both fast acting nitrogen for quick greening, as well as slow release nitrogen for extended feeding for up to 3 months. With X% Iron, this fertilizer will give you a deep, dark green lawn.

[Product Name] WILL NOT BURN when used as directed. We're so confident you'll love the results of [Product Name], that it comes with the Pennington Satisfaction Guarantee.†

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 "State Restrictions"]

- 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: "Apply only to actively growing turf."
 - Florida: "Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with your county or city government to determine if there are local regulations for fertilizer use."
 - 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 advised 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."
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- [Virginia, Florida, Maryland, others] DO NOT APPLY NEAR WATER, STORM DRAINS, OR DRAINAGE DITCHES. DO NOT APPLY IF HEAVY RAIN IS EXPECTED. APPLY THIS PRODUCT ONLY TO YOUR LAWN/GARDEN. [AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK INTO YOUR LAWN/GARDEN.] [Note to Supplemental Registrant: The bracketed part of this statement is not required for liquid products.]
 - [For products containing Iron:] Keep this product off sidewalks, patios, driveways, etc. This fertilizer contains iron which will stain concrete and painted surfaces. If it comes in contact with concrete surface, 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.
 - [Advisories for fertilizers containing iron:] "This product may stain concrete and stone, where spilling occurs, sweep off immediately, then flush with water." OR "Sweep all residues from concrete surfaces immediately after application. The iron content in this product will stain sidewalks, patios, driveways, swimming pools and deck coatings if not removed before watering. Neither seller nor distributor assumes any responsibility for damage incurred to any surface other than product's intended use."
 - [Note to Supplemental Distributor: In Kentucky if the product supplies less than 1lb of Nitrogen per application, include the following:] A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing year. 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 [suitable for your geographic region]."