

62719-543

5.1.2008

1/29



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Rafael Herrera
Product Registration
Dow AgroScience LLC
9330 Zionsville Road
Indianapolis, IN 46268

MAY 1 2008

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request General Label Change (Spreader Settings)
EPA Reg. No. 62719-543
Application Dated April 9, 2008

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 04/09/08 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Dow AgroSciences LLC/62719-543	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences LLC/Penoxsulam GR 0.014%	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rafael Herrera	Title Regulatory Manager	Telephone No. (Include Area Code) (317) 337-4672 (fax: 317-337-4649)
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Rafael Herrera (rherrera@dow.com)	5. Date April 9, 2008	

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

3/29

308/2E
April 9, 2008



Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

PENOX SULAM GR 0.014% (A.I. PENOX SULAM)
EPA REGISTRATION NUMBER: 62719-543
NOTIFICATION OF MINOR LABEL CHANGE PER PR NOTICE 98-10

Enclosed please find labeling for the notification action of Penoxsulam GR 0.014% herbicide. The following change has been made by notification:

1. Spreader Settings: Clarified directions in table by adding column for spreader type.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Contents of Submission

- Transmittal document (this letter)
- Application for Pesticide, EPA Form 8570-1
- Label entitled Penoxsulam GR 0.014% (E9A/Penoxsulam GR 0.014%/MSTR Notif/04-09-08) (25 Pages plus Registration Notes) (5 Copies)

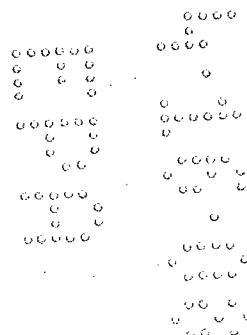
If you require further information, please contact Cindy Loy, Regulatory Specialist at (317) 337-4655 or Paula McKinnies, Registration Assistant for this product, at (317) 337-4679.

Sincerely,

A handwritten signature in black ink that reads "Cindy Loy".

Rafael Herrera
Regulatory Leader
(317) 337-4672
(317) 337-4649 (FAX)

Enclosures



Penoxsulam GR 0.014%

EPA Reg. No. 62719-543

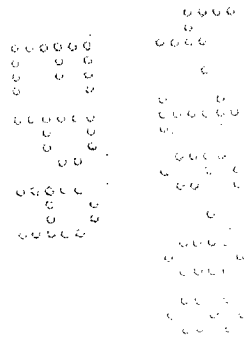
The master label for this product consists of separate, self-contained sub labels for professional use and residential use, respectively.

Registration Notes:

Source label text based on EPA accepted copy dated June 13, 2007 and notification coded "E9A / Penoxsulam GR 0.014% / MSTR Notif / 09-19-07."

Change by notification:

1. Spreader Settings: Clarified directions in table by adding column for spreader type.



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[Sub Label A: Professional Uses]

(Base label for rigid containers 5 gal or less):

Penoxsulam GR 0.014%

Herbicide

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

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide 0.014%

Other Ingredients 99.986%

Total 100.000%

Contains 0.007 lb of active ingredient per [15, 16, 17, 18, 20, 30, 40, 45, 50] lb bag

Keep Out of Reach of Children

Precautionary Statements

Hazards to Humans and Domestic Animals

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, 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 Recommendations

Users should:

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

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.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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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.

Container Reuse: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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 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 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 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refer to label booklet for Directions for Use.

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 at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

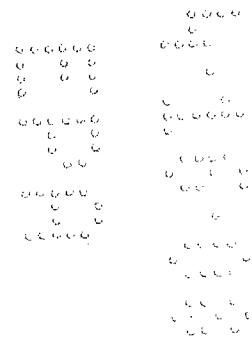
Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-543

EPA Est. _____

Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Net Weight _____



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(Base label for nonrigid containers any size):

Penoxsulam GR 0.014%

Herbicide

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

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide	0.014%
Other Ingredients	99.986%
Total	100.000%

Contains 0.007 lb of active ingredient per [15, 16, 17, 18, 20, 30, 40, 45, 50] lb bag

Keep Out of Reach of Children

Precautionary Statements

Hazards to Humans and Domestic Animals

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, 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 Recommendations

Users should:

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

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.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Storage and Disposal

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(Base label for refillable rigid containers greater than 5 gal):

Penoxsulam GR 0.014%

Herbicide

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

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide	0.014%
Other Ingredients	99.986%
Total	100.000%

Contains 0.007 lb of active ingredient per [15, 16, 17, 18, 20, 30, 40, 45, 50] lb bag

Keep Out of Reach of Children

Precautionary Statements

Hazards to Humans and Domestic Animals

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, 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 Recommendations

Users should:

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

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.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Storage and Disposal

(Base label for nonrefillable rigid containers larger than 5 gal):

Penoxsulam GR 0.014%

Herbicide

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

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide 0.014%

Other Ingredients 99.986%

Total 100.000%

Contains 0.007 lb of active ingredient per [15, 16, 17, 18, 20, 30, 40, 45, 50] lb bag

Keep Out of Reach of Children

Precautionary Statements

Hazards to Humans and Domestic Animals

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, 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 Recommendations

Users should:

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

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.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Storage and Disposal

(Label booklet cover):

Penoxsulam GR 0.014%

Herbicide

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

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide	0.014%
Other Ingredients	99.986%
Total	100.000%

Contains 0.007 lb of active ingredient per [15, 16, 17, 18, 20, 30, 40, 45, 50] lb bag

Keep Out of Reach of Children

Agricultural Use Requirements
 Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for additional precautionary information including Directions for Use.

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 at end of Directions for Use. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

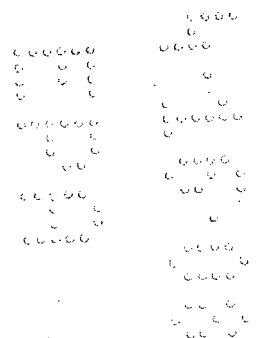
Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-543

EPA Est. _____

**Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268**

Net Weight _____



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29

(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals**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, 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 Recommendations

Users should:

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

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

Non-Agricultural Use Requirements

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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 may be disposed of on site or at an approved waste disposal facility.

Nonrefillable rigid containers 5 gallons or less:

Container Reuse: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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 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 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 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Nonrefillable nonrigid containers:

Container Reuse: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

Refillable rigid containers larger than 5 gal:

Container Reuse: 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.

Nonrefillable rigid containers larger than 5 gal:

Container Reuse: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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 1/4 full with water. Replace and tighten closures. Tip container on its 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. Turn the container over onto its other 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 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

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General Information

Penoxsulam GR 0.014% herbicide provides postemergence control of annual, biennial and perennial broadleaf weeds in established turfgrass, including residential lawns, golf courses, sports fields, sod farms and around commercial buildings and other commercial turfgrass areas.

General Use Precautions and Restrictions

- Do not apply Penoxsulam GR 0.014% to golf course putting greens or tees.
- Do not apply more than 150 lb of Penoxsulam GR 0.014% (0.02 lb ai penoxsulam) per acre per application to perennial ryegrass and tall fescue unless some injury can be tolerated.
- Do not apply Penoxsulam GR 0.014% directly to, or otherwise permit Penoxsulam GR 0.014% to come into contact with, flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious plant injury may occur.
- Do not collect grass clippings for use as mulch around plants.
- To minimize the potential for grass injury, additional applications should not be made within four weeks of a previous application.
- Avoid unnecessary disturbances, including watering and mowing, for approximately 24 hours after application.
- Do not apply more than 450 lb of Penoxsulam GR 0.014% (0.06 lb ai penoxsulam) per acre per application or more than 650 lb of Penoxsulam GR 0.014% (0.09 lb ai penoxsulam) per acre per annual growing season.

Treatment on Turfgrass Species Not Listed on the Label for Penoxsulam GR 0.014%

Users who wish to use Penoxsulam GR 0.014% on turfgrass species not recommended on this label may determine the suitability for use by treating a small area at a recommended 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 other liability resulting from use of Penoxsulam GR 0.014% on turfgrass species not recommended on this label.

Penoxsulam GR 0.014% is recommended 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	Scientific Name
bahiagrass	<i>Paspalum notatum</i> var. <i>saurae parodi</i>
Bermudagrass (common or hybrid)	<i>Cynodon dactylon</i>
centipedegrass	<i>Eremochloa ophiuroides</i>
fescue, tall (growing in warm season areas) (2)	<i>Festuca arundinaceae</i>
kikuyugrass	<i>Pennisetum clandestinum</i>
seashore paspalum	<i>Paspalum vaginatum</i>
St. Augustinegrass	<i>Stenotaphrum secundatum</i>

zoysiagrass *Zoysia japonica*
zoysiagrass *Zoysia tenuifolia*

1. Use no more than 300 lb of Penoxsulam GR 0.014% (0.04 lb ai penoxsulam) per acre per application.
2. Use Penoxsulam GR 0.014% on these species at a maximum rate of 150 lb (0.02 lb ai penoxsulam) per acre 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 transient and is generally gone within four weeks of treatment under adequate growing conditions.
3. Use no more than 450 lb of Penoxsulam GR 0.014% (0.06 lb ai penoxsulam) per acre per application.

Weeds Controlled or Suppressed

Generally, application rates at the lower end of the recommended rate range will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species and under conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds), the higher rate within the rate range or repeat applications will be needed. Weeds growing in the absence of competition from other vegetation generally require higher rates or repeat applications to obtain satisfactory control or suppression.

Weeds Controlled or Suppressed		Rate	
		lb/acre	lb/1000 sq ft
burdock	ivy, ground	150 - 450	3.4 - 10.3
chickweed, common	lambquarters		
chickweed, mouseear	lespedeza, common		
clover, hop	matchweed		
clover, red	medic, black		
clover, white	plantain, broadleaf		
cocklebur, common	plantain, buckhorn		
coffeeweed	purslane, common		
common vetch	ragweed, common		
creeping beggarweed	round leaf mallow		
curly dock	sheep sorrel		
dandelion, common	shepherd's purse		
dollarweed	smartweed		
dwarf beggarweed	spotted catsear		
English lawn daisy	spurweed		
false dandelion	Virginia buttonweed		
Florida betony	Virginia pepperweed		
goldenrod	wild violet		
hawkweed	woodsorrel, creeping		
henbit	woodsorrel, yellow		
kyllinga, annual and green	nutsedge, purple and yellow (suppression only) ¹	300 - 450	6.9 - 10.3

¹Re-treatment may be necessary

Application Directions

Apply Penoxsulam GR 0.014% using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to 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.

Mow the turfgrass two to three days before applying Penoxsulam GR 0.014%. If the turfgrass is under moisture stress, a thorough sprinkler irrigation of at least 1/2 inch is necessary at least one to two days

before application. Apply Penoxsulam GR 0.014% in the morning when dew is present. If necessary, sprinkler irrigate with less than 1/4 inch of water just prior to application to maximize particle adherence to leaf surfaces. Avoid watering of treated area within 24 hours of application. Avoid making applications if rainfall is expected within 24 hours after treatment.

Application Techniques for Applying Penoxsulam GR 0.014%

- 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 recommended. 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 recommended 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 are not intended to be used as absolute recommendations by Dow AgroSciences or the spreader manufacturer.

Spreader	Settings for Spreader		
	Recommended Rate of Penoxsulam GR 0.014%		
	150 lb/acre	300 lb/acre	450 lb/acre
XX	XX	XX	XX

Warren spreader settings are displayed in half-number increments only. The suggested settings that indicate quarter settings can be accomplished by placing the calibration arm between the half number marks on the spreader.

Rates and Timing of Application

Apply 150 to 450 lb of Penoxsulam GR 0.014% per acre (3.4 to 10.3 lb per 1000 sq ft) to established turfgrass. Sequential or follow-up applications may be required for dense weed infestations. Also, adverse environmental conditions prior to or after application may reduce effectiveness. If required, additional applications can be made every 30 days.

[Editor's note: Supplemental distributor will select the appropriate bag size and present only the rate information provided for that bag size on product labeling.]

Penoxsulam GR 0.04% Broadcast Rates

Bag Size	Rate		Treated Area	
	lb/acre	lb/1000 sq ft	acre	sq ft
15	150	3.4	0.1	4,400
	300	6.9	0.05	2,200
	450	10.3	0.03	1,500
16	150	3.4	0.11	4,800
	300	6.9	0.05	2,200
	450	10.3	0.04	1,700
17	150	3.4	0.11	4,800
	300	6.9	0.06	2,600
	450	10.3	0.04	1,700

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18	150	3.4	0.12	5,200
	300	6.9	0.06	2,600
	450	10.3	0.04	1,700
20	150	3.4	0.13	5,700
	300	6.9	0.07	3,100
	450	10.3	0.04	1,700
30	150	3.4	0.2	8,700
	300	6.9	0.1	4,400
	450	10.3	0.07	3,100
40	150	3.4	0.27	11,800
	300	6.9	0.13	5,700
	450	10.3	0.09	4,000
45	150	3.4	0.3	13,000
	300	6.9	0.15	6,500
	450	10.3	0.1	4,400
50	150	3.4	0.33	14,400
	300	6.9	0.17	7,400
	450	10.3	0.11	4,800

Best weed control results are obtained when Penoxsulam GR 0.014% 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.

Apply Penoxsulam GR 0.014% to newly seeded cool season turfgrass only after the third mowing or after the turfgrass seedlings have tillered and developed an adequate secondary root system. Reseeding is not recommended for at least three to four weeks after application.

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

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

Warranty Disclaimer

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 below. TO THE EXTENT PERMITTED BY LAW, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. To the extent permitted by law, all such risks shall be assumed by buyer.

Limitation of Remedies

[Sub Label B: Residential Uses]

(Base label):

Penoxsulam GR 0.014%

Herbicide

For postemergence control of annual and perennial broadleaf weeds in established home lawns

and/or
Controls [tough] weeds [such as clover] [dandelion] [henbit] [ground ivy] [plantain] [wild violet] [nutsedge]

and/or
Apply at any time [spring, summer, fall]

and/or
Use for a [beautiful] [weed-free] lawn

and/or
Easy to use

and/or
[Just] One application kills weeds missed by competitive brands

and/or
Better weed control than other leading brands

and/or
Effective weed control leads to greener, thicker lawns

and/or
Apply [anytime] when weeds are actively growing

and/or
Apply once for the whole season

and/or
Kills weeds

and/or
Effective weed control – prevents weeds all season long

and/or
Season-long weed killer

and/or
Controls weeds longer

and/or
Kills tough existing weeds [and controls new weeds] for 3 months

and/or
For use on cool and warm season turfgrass

and/or
Can be applied to newly established warm season grass

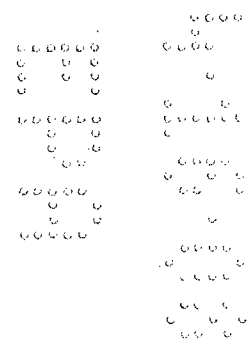
and/or
[Just] One application kills weeds

and/or
Better weed control than other brands

and/or
Can be used on newly planted grass

and/or
_____ lb covers up to _____ sq ft [of turfgrass]

Active Ingredient:



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penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide	0.014%
Other Ingredients	99.986%
Total	100.000%

Contains 0.007 lb of active ingredient per [15, 16, 17, 18, 20, 30, 40, 45, 50] lb bag

[Editor's note: Bag size provided by supplemental distributor.]

Keep Out of Reach of Children

Precautionary Statements

Hazards to Humans and Domestic Animals

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.

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.

Storage and Disposal

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

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

Container Reuse: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

Refer to label booklet for Directions for Use.

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 1-800-992-5994.

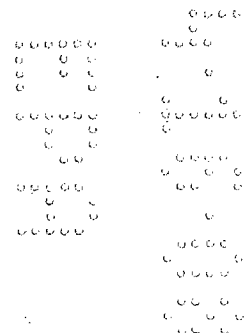
Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-543

EPA Est. _____

Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Net Weight _____



(Label booklet cover):

Penoxsulam GR 0.014%

Herbicide

For postemergence control of annual and perennial broadleaf weeds in established home lawns

and/or
Controls [tough] weeds [such as clover] [dandelion] [henbit] [ground ivy] [plantain] [wild violet] [nutsedge]

and/or
Apply at any time [spring, summer, fall]

and/or
Use for a [beautiful] [weed-free] lawn

and/or
Easy to use

and/or
[Just] One application kills weeds missed by competitive brands

and/or
Better weed control than other leading brands

and/or
Effective weed control leads to greener, thicker lawns

and/or
Apply [anytime] when weeds are actively growing

and/or
Apply once for the whole season

and/or
Kills weeds

and/or
Effective weed control – prevents weeds all season long

and/or
Season-long weed killer

and/or
Controls weeds longer

and/or
Kills tough existing weeds [and controls new weeds] for 3 months

and/or
For use on cool and warm season turfgrass

and/or
Can be applied to newly established warm season grass

and/or
[Just] One application kills weeds

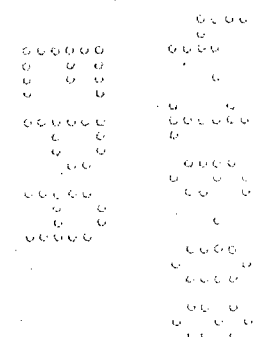
and/or
Better weed control than other brands

and/or
Can be used on newly planted grass

_____ lb covers up to _____ sq ft [of turfgrass]

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazololo[1,5c]pyrimidin-



2-yl)-6-(trifluoromethyl)benzenesulfonamide	0.014%
Other Ingredients	99.986%
Total	100.000%

Contains 0.007 lb of active ingredient per [15, 16, 17, 18, 20, 30, 40, 45, 50] lb bag

[Editor's note: Bag size provided by supplemental distributor.]

Keep Out of Reach of Children

Refer to inside of label booklet for additional precautionary information including Directions for Use.

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

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

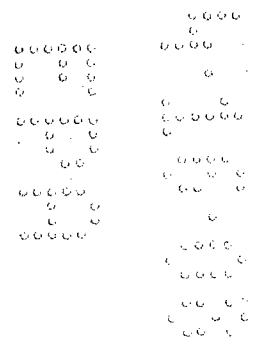
Agricultural Chemical: Do not ship or store with food, feeds, drugs, or clothing.

EPA Reg. No. 62719-543

EPA Est. _____

**Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268**

Net Weight _____



(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals

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.

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.

Storage and Disposal

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

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

Container Reuse: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

How This Product Works

Penoxsulam GR 0.014% herbicide provides postemergence control of annual, biennial and perennial broadleaf weeds in established home lawns.

General Use Precautions and Restrictions

- Do not apply more than 3.4 lb of Penoxsulam GR 0.014% per 1000 sq ft per application to perennial ryegrass and tall fescue unless some injury can be tolerated.
- Do not apply Penoxsulam GR 0.014% directly to, or otherwise permit Penoxsulam GR 0.014% to come into contact with, flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious plant injury may occur.
- Do not collect grass clippings for use as mulch around plants.
- To minimize the potential for grass injury, additional applications should not be made within four weeks of a previous application.
- Avoid unnecessary disturbances, including watering and mowing, for approximately 24 hours after application.
- Do not apply more than 10.3 lb of Penoxsulam GR 0.014% per 1000 sq ft per application or more than 14.8 lb of Penoxsulam GR 0.014% per 1000 sq ft per annual growing season.

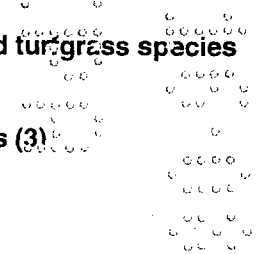
Treatment on Turfgrass Species Not Listed on the Label for Penoxsulam GR 0.014%

Users who wish to use Penoxsulam GR 0.014% on turfgrass species not recommended on this label may determine the suitability for use by treating a small area at a recommended 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 other liability resulting from use of Penoxsulam GR 0.014% on turfgrass species not recommended on this label.

Penoxsulam GR 0.014% is recommended for use on the following established turfgrass species (numbers in parentheses (-) refer to footnotes below):

Established Cool Season Turfgrass (1)
annual bluegrass

Established Warm Season Turfgrass (3)
bahiagrass



- | | |
|-------------------------|---|
| bentgrass | Bermudagrass (common or hybrid) |
| bluegrass, Kentucky | centipedegrass |
| fescue, chewing | fescue, tall (growing in warm season areas) (2) |
| fescue, creeping red | kikuyugrass |
| fescue, sheeps | seashore paspalum |
| fescue, tall (2) | St. Augustinegrass |
| ryegrass, perennial (2) | zoysiagrass |

1. Use no more than 6.9 lb of Penoxsulam GR 0.014% per 1000 sq ft per application.
2. Use Penoxsulam GR 0.014% on these species at a maximum rate of 3.4 lb per 1000 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 transient and is generally gone within four weeks of treatment under adequate growing conditions.
3. Use no more than 10.3 lb of Penoxsulam GR 0.014% per 1000 sq ft per application.

Weeds Controlled or Suppressed

Generally, application rates at the lower end of the recommended rate range will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species and under conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds), the higher rate within the rate range or repeat applications will be needed. Weeds growing in the absence of competition from other vegetation generally require higher rates or repeat applications to obtain satisfactory control or suppression.

Weeds Controlled or Suppressed		Rate
		lb/1000 sq ft
burdock 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 plantain, broadleaf plantain, buckhorn purslane, common ragweed, common round leaf mallow sheep sorrel shepherd's purse smartweed spotted catsear spurweed Virginia buttonweed Virginia pepperweed wild violet woodsorrel, creeping woodsorrel, yellow	3.4 - 10.3
kyllinga, annual and green	nutsedge, purple and yellow (suppression only) ¹	6.9 - 10.3

¹ Re-treatment may be necessary

How to Apply

Apply Penoxsulam GR 0.014% using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to 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.

Mow the turfgrass two to three days before applying Penoxsulam GR 0.014%. If the turfgrass is under moisture stress, a thorough sprinkler irrigation of at least 1/2 inch is necessary at least one to two days before application. Apply Penoxsulam GR 0.014% in the morning when dew is present. If necessary, sprinkler irrigate with less than 1/4 inch of water just prior to application to maximize particle adherence to leaf surfaces. Avoid watering of treated area within 24 hours of application. Avoid making applications if rainfall is expected within 24 hours after treatment.

Application Techniques for Applying Penoxsulam GR 0.014%

- 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 recommended. 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 recommended 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 are not intended to be used as absolute recommendations by Dow AgroSciences or the spreader manufacturer.

Spreader	Settings for Spreader		
	Recommended Rate of Penoxsulam GR 0.014%		
	3.4 lb/1000 sq ft	6.9 lb/1000 sq ft	10.3 lb/1000 sq ft
XX	XX	XX	XX

Warren spreader settings are displayed in half-number increments only. The suggested settings that indicate quarter settings can be accomplished by placing the calibration arm between the half number marks on the spreader.

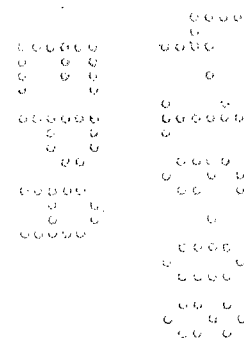
How Much to Apply

Apply 3.4 to 10.3 lb of Penoxsulam GR 0.014% per 1000 sq ft to established turfgrass. Sequential or follow-up applications may be required for dense weed infestations. Also, adverse environmental conditions prior to or after application may reduce effectiveness. If required, additional applications can be made every 30 days.

[Editor's note: Supplemental distributor will select the appropriate bag size and present only the rate information provided for that bag size on product labeling.]

Penoxsulam GR 0.04% Broadcast Rates

Bag Size	Rate	Treated Area
lb	lb/1000 sq ft	sq ft
15	3.4	4,400
	6.9	2,200
	10.3	1,500
16	3.4	4,800
	6.9	2,200
	10.3	1,700



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17	3.4	4,800
	6.9	2,600
	10.3	1,700
18	3.4	5,200
	6.9	2,600
	10.3	1,700
20	3.4	5,700
	6.9	3,100
	10.3	1,700
30	3.4	8,700
	6.9	4,400
	10.3	3,100
40	3.4	11,800
	6.9	5,700
	10.3	4,000
45	3.4	13,000
	6.9	6,500
	10.3	4,400
50	3.4	14,400
	6.9	7,400
	10.3	4,800

When to Apply

Best weed control results are obtained when Penoxsulam GR 0.014% 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.

Apply Penoxsulam GR 0.014% to newly seeded cool season turfgrass only after the third mowing or after the turfgrass seedlings have tillered and developed an adequate secondary root system. Reseeding is not recommended for at least three to four weeks after application.

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

Terms and Conditions of Use

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It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes),

