



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 23, 2019

Lisa Setliff  
Regulatory Agent  
Mitsui Chemicals Agro. Inc.  
c/o Landis International, Inc.  
P.O. Box 5126  
Valdosta, GA 31603-5126

Subject: PRIA Label Amendment – New Use: Cotton Seed Treatment  
Product Name: Penthiopyrad 40SC  
EPA Registration Number: 86203-26  
Application Date: 09/17/2018  
Decision Number: 544528

Dear Mrs. Setliff:

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA sec 3 (c)(5). You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

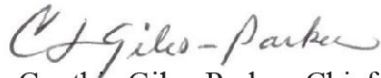
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute 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.

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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 Marcel Howard by phone at (703)305-6784, or via email at [howard.marcel@epa.gov](mailto:howard.marcel@epa.gov).

Sincerely,



Cynthia Giles-Parker, Chief  
Fungicide Branch  
Registration Division (7505P)

Enclosure – stamped “accepted” label

# Penthiopyrad 40SC Fungicide

ACCEPTED

10/23/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 86203-26

**INTENDED FOR COMMERCIAL SUGAR BEET SEED AND COTTON SEED TREATMENT**

**Active Ingredient:**

Penthiopyrad (CAS No. 183675-82-3) ..... 40.0%

**Other Ingredients** ..... 60.0%

Total ..... 100.0%

EPA Reg. No. 86203-26

Net Contents: 180 L (47.55 US Gallon)  
0.446 kg ai/L (3.72 lbs a.i./gal)

EPA EST. 086203-JP-002

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

<b>FIRST AID</b>	
<b>If In Eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing the eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Never give anything by mouth to an unconscious person.</li> </ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call Carechem24® at +1 202 464 2554 (Chemical Emergency Only).</p>	

**PRECAUTIONARY STATEMENTS****CAUTION****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment (PPE):**

- Long-sleeved shirt and long pants
- Shoes plus Socks

Follow the 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 Statements:**

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 REQUIREMENTS**

Follow the 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.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands before eating, drinking, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes streams ponds estuaries oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**DIRECTIONS FOR USE**

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

Do not apply this product in a way that will contact 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 State or Tribal agency responsible for pesticide regulation.

## PRODUCTION INSTRUCTIONS

### For Protection from Seedling Diseases Caused by *Rhizoctonia* spp.

For use in commercial seed treatment facilities only. Do not use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed-treatment applications at or immediately before planting.

#### Resistance-Management Recommendations

For resistance management, Penthiopyrad 40SC contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to penthiopyrad and other Group 7 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of penthiopyrad or other Group 7 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact (Mitsui Chemicals Agro, Inc.) at (+81-(0)3-5290-2700) or at (<http://www.mitsui-agro.com/tabid/215/Default.aspx?language=en-US>). You can also contact your pesticide distributor or university extension specialist to report resistance.

#### Use Restrictions:

Use of the specified lower rate is recommended only under conditions of, or in fields with light to medium disease pressure.

Under conditions of, or in fields with a known history of heavy disease pressure, use of the higher rate is recommended.

Do not use a separate penthiopyrad in-furrow application after treating seed with penthiopyrad. Refer to *Application Rates and Instructions by Crop* for additional limitations.

- Do not use treated seed for feed, food, or oil purposes.
- Store treated seed away from food and feedstuffs.
- Do not allow children, pets or livestock to have access to treated seeds.
- Wear long pants, long-sleeved shirt and protective gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting.
- Treated seed must be planted at a minimum depth of 0.75 inches (3/4 inch).
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- Excess treated seed may be used for ethanol production if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.

This product does not contain dye and is not covered by an appropriate tolerance, tolerance exemption, or other clearance under the Federal Food, Drug and Cosmetic Act. To comply with 40 CFR 153.155, therefore, all seed treated commercially with this product must be colored with an EPA-approved dye or colorant of a suitable color to prevent accidental use as food for man or feed for animals.

### TREATED SEED LABELING

Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the of the seed package or bag:

#### Seed Bag Label Requirements

The Federal Seed Act requires that containers containing treated seeds shall be labeled with the following statements:

- This seed has been treated with Penthiopyrad 40SC, a fungicide containing penthiopyrad.
- Do not use treated seed for feed, food, or oil purposes.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with penthiopyrad:

- Store treated seed away from food and feedstuffs.
- Do not allow children, pets or livestock to have access to treated seeds.
- Wear long pants, long-sleeved shirt and protective gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting.
- Treated seed must be planted at a minimum depth of 0.75 inches (3/4 inch).
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- Excess treated seed may be used for ethanol production if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.

For sugar beet seeds, include:

- Do not apply more than 0.8 lbs ai/acre/year to sugar beets in total from any combination of seed, in-furrow, and foliar treatments.
- Do not use a separate penthiopyrad sugar beet in-furrow application after treating sugar beet seed with penthiopyrad.

For cotton seeds, include:

- Do not apply more than 0.94 lbs ai/acre/year to crop in total from any combination of seed, in-furrow, and foliar treatments.
- Do not use a separate penthiopyrad cotton in-furrow application after treating cotton seed with penthiopyrad.

### Application Rates and Instructions by Crop:

Crop	Disease Protection for:	Use Rates	
		fl oz/seed unit**	fl oz/100lbs of seed**
Sugar Beet*	<i>Rhizoctonia</i> Damping-off	0.53–1.06 fl oz	24.1–48.2 fl oz

\*Incorporate Penthiopyrad 40SC into pelleting process for application to sugar beet seed. Seed must be pelleted at a minimum weight-to-weight ratio of 3:10 pelleting mixture to raw seed.

\*\*A seed unit is 100,000 seeds. The rate of application expressed in fl oz/100 lbs. seed is based on the weight of raw sugar beet seeds being approximately 1kg (2.2 lbs.).

#### Use Restrictions:

Do not apply more than 0.8 lbs ai/acre/year to sugar beets in total from any combination of seed, in-furrow, and foliar

treatments.

Do not use a separate penthiopyrad sugar beet in-furrow application after treating sugar beet seed with penthiopyrad.

Crop	Disease Protection for:	Use Rates		
		fl oz/100lbs of seed	g ai/100kg seed	Total mg ai/seed (based on 4,500 cotton seeds/lb)
Cotton	Seed rot and Seedling damping-off ( <i>Rhizoctonia solani</i> )	0.69–1.73 fl oz	20–50 g ai	0.02–0.05 mg ai

**Use Restrictions:**

Do not apply more than 0.94 lbs ai/acre/year to crop in total from any combination of seed, in-furrow, and foliar treatments.

Do not use a separate penthiopyrad cotton in-furrow application after treating cotton seed with penthiopyrad.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Keep pesticide in original container. Store in a cool, dark, and well-ventilated area. Protect from direct sunlight.

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

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

Empty the remaining contents into application equipment or a mix tank. Add water – at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 60 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. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

Then offer for recycling if available or dispose of liner in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### NOTICE – READ CAREFULLY

#### CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

As its sole express warranty, Mitsui Chemicals Agro, Inc., warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, Mitsui Chemicals Agro, Inc., SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Mitsui Chemicals Agro, Inc., NEITHER MAKES NOR AUTHORIZES ANY OF

ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. Buyer assumes the responsibility to handle, use, and store this product in accordance with the safety instructions and use directions contained on the label.

Buyer/User purchases this product consistent with the foregoing Conditions of Sale and Limited Warranty, which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Mitsui Chemicals Agro, Inc. If these terms are not acceptable, return all products to place of purchase, unopened for a full refund.

Manufactured By:



**MITSUI CHEMICALS AGRO, INC.**

**Mitsui Chemicals Agro, Inc.**

1-19-1 Nihonbashi  
Nihonbashi Dia Bldg  
Chuo-ku, Tokyo 103-0027, Japan

Distributed By:



Sumitomo Corporation of Americas  
Life Science Unit, Chemicals Group  
600 Third Avenue  
New York, NY 10016, USA

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