

400-547

09/17/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Michael R. Dupre
Product Registration Manger
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749

SEP 17 2009

Subject: Label amendment for alternate residue removal instructions dated 2/24/09
Ipconazole/Thiram 10/350 FS
EPA Reg. No. 400-547; Decision No. 420284

Dear Mr. Dupre,

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, to incorporate alternate residue removal language; is acceptable provided the following changes are made.

1. On the first page, delete "Not for sale to or use by homeowners/consumer". Labels must now specify the intended users.
2. Also on the first page, please note that should you wish to retain a reference to the company's website on your label, then that the website becomes labeling under the FIFRA and is subject to review by the Agency (EPA). 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 Assurance.

As an alternative, you may refer consumers to the company's phone number or email address.

3. On the second page within the Precautionary Statements box, revise the first sentence within the Hazards to Humans and Domestic Animals section to include the underlined text:
Causes moderate eye irritation. Avoid contact with eyes of clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or

using the toilet.

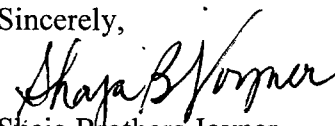
4. On the third page under the "Treated Seed Labeling" header, prior to "Plant barley, wheat and oat seed a minimum of one inch deep", insert the following sentence "Store treated seed away from food, and feed stuffs."

5. On the third page under the "Treated Seed Labeling" header and within the paragraph starting with "Treated seeds are hazardous to fish, birds and mammals."
 - Before the second sentence, add "Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting."
 - In the same paragraph add "Dispose of all excess treated seeds by burying seed away from bodies of water." before the sentence starting "Do not apply directly...water mark"
 - In the last sentence add "bodies of" following "Do not contaminate"
 - Following the last sentence "Do not contaminate bodies of water...disposal of wastes", add "Dispose of seed packaging or containers in accordance with local requirements."

8. On the third page under Use Restrictions, add the following text: "Store treated seed away from food and feedstuffs. Do not allow children, pets or livestock to have access to treated seeds".

This label supercedes all labels previously accepted for this product. Please submit one copy of the final printed labeling and a copy of this letter before the product is released for shipment. For your records, a copy of the label stamped "Accepted with Comments" is enclosed. If you have questions concerning this letter, please contact Shaunta Hill by phone at 703-347-8961 or email at hill.shaunta@epa.gov.

Sincerely,



Shaja Brothers Joyner
 Product Manager, Team 20
 Fungicide Branch
 Registration Division (7505P)

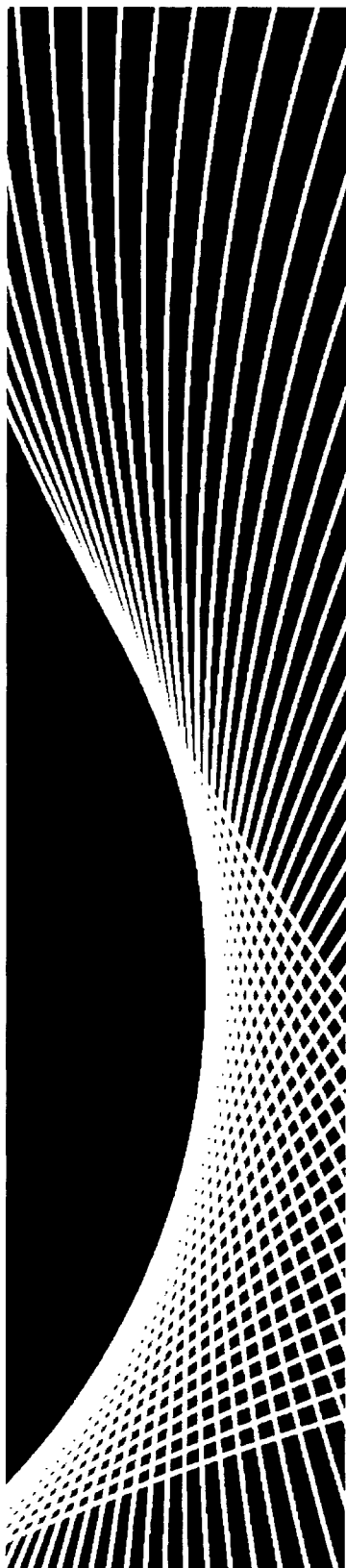
Enclosure: Label stamped "Accepted with Comments"

Ipconazole/Thiram 10/350 FS

SEED PROTECTANT

Not For Sale To or Use By Home Owners/Consumers

Net Contents:



Active Ingredients: (% by weight)	
ipconazole (CAS No. 125225-28-7)	0.87%*
thiram (CAS No. 137-26-8)	30.43%*
Other Ingredients:	68.70%
Total:	100.00%

*Contains 0.084 pounds ipconazole and 2.92 pounds thiram per gallon.

*Contains 10 grams ipconazole and 350 grams thiram per liter.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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.
EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	866-430-2775
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

SEP 17 2009

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

400-549

Manufactured for:
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749
EPA REG. NO. 400-547
EPA EST. NO.
003



www.chemtura.com

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

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical-resistance category selection chart.

All Mixers, Loaders, Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants; shoes plus socks; chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber or Viton; and chemical-resistant apron when cleaning up spills, or cleaning equipment.

NOTE: Persons involved in bagging treated seed, sewing or moving bags of treated seed, or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4)], the handler PPE 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is **toxic to fish, aquatic invertebrates, oysters and shrimp**. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

Treated seeds are **hazardous to fish, birds and mammals**. Do not plant seeds by broadcasting to the soil surface. Ensure that all seeds are thoroughly covered with soil, especially in turn areas. Plant wheat, barley and oats seed a minimum of 1 inch deep. If seeds are not thoroughly incorporated by the planted during planting, additional incorporation may be required to thoroughly cover exposed seeds. Clean-up, bury or cover all spilled seed with soil.

Ipconazole may persist in soil, and long-term use in the same field may result in an accumulation of active ingredient.

This product contains thiram. This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization.

To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species County Bulletin for the County or Parish in which you are applying the seed. To determine whether your County has a Bulletin, consult <http://www.epa.gov/espp> before each season's use of this product.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

Do not apply this product in a way that will contact workers or other persons. 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.

GENERAL

Ipconazole/Thiram 10/350 FS is a systemic and contact broad-spectrum fungicide for seed treatment that protects against a wide variety of diseases. Seed should be sound and well-cured before treatment.

SEED TREATMENT EQUIPMENT

Ipconazole/Thiram 10/350 FS may be applied with mechanical, slurry, or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. Uniform application to seed is necessary to ensure best disease protection and optimum performance. Seed should be sound and well-cured before treatment. Refer to the label rates below.

Ipconazole/Thiram 10/350 FS may be applied to seed as is, or may be diluted with water prior to use, depending on the equipment, application rate and crop. Select a dilution that provides uniform coverage of the seed without producing excessive wetness. Contact your local Chemtura representative or supplier for specific recommendations.

APPLICATION INSTRUCTIONS

Ipconazole/Thiram 10/350 FS protects against seedborne, propagule-borne and soilborne fungi that cause seed decay, damping-off and seedling blight for the following crops. In addition, protection against the specific or additional diseases is delivered, as indicated below.

Use the higher rate when the disease pressure is expected to be high, or when there is a history of disease in the field.

Crops	Application Rate (fl.oz./cwt.)*	Additional or specific diseases controlled or suppressed
Barley**	2.3-3.8	General seed rots (such as those caused by <i>Penicillium</i> and <i>Aspergillus</i>) Seed rot, damping off and seedling blight caused by <i>Fusarium</i> and <i>Cochliobolus sativus</i> True Loose Smut Covered Smut False Loose Smut Early Season Root Rot (<i>Rhizoctonia</i>) Common Root Rot Crown and Foot Rot (<i>Fusarium</i>) Leaf Stripe
Wheat**	2.3-3.8	General seed rots (such as those caused by <i>Penicillium</i> and <i>Aspergillus</i>) Seed rot, damping off and seedling blight caused by <i>Fusarium</i> and <i>Cochliobolus sativus</i> Loose Smut Common Bunt Early Season Root Rot (<i>Rhizoctonia</i>) Common Root rot Crown and Foot Rot (<i>Fusarium</i>)
Buckwheat, Millet, Oats**, Rye, Triticale	2.3-3.8	Root Rot
Corn, field***	2.0-3.8	<i>Rhizoctonia</i> , <i>Fusarium</i> , <i>Rhizopus</i> , <i>Penicillium</i> , <i>Aspergillus</i>
Corn, sweet***	3.8	<i>Rhizoctonia</i> , <i>Fusarium</i> , <i>Rhizopus</i> , <i>Penicillium</i> , <i>Aspergillus</i>
Sorghum***	2.3-7.7	
Peanuts	3.8	
Soybeans	3.8	
Sunflower	2.3-3.8	
Canola, Mustard	2.3-8.8	Blackleg caused by <i>Phoma lingam</i>
Ornamental flowers	2.3-8.8	
Turf grass	2.3-3.8	

Crops	Application Rate (fl.oz./cwt.)*
Dried Shelled Peas and Beans: Dried cultivars of bean: - <i>Lupinus</i> spp. (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); - <i>Phaseolus</i> spp. (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean); bean - <i>Vigna</i> spp. (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); Dried cultivars of pea (<i>Pisum</i> spp.) (includes field pea); Broad (fava) bean (dry); Chickpea (garbanzo bean); Guar; Lablab bean (hyacinth bean); Lentil; Pigeon pea	3.8

*Rate per 100 pounds of seed.

**Barley, wheat, and oats: Plant seed a minimum of 1 inch deep.

***Includes forage and silage.

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 seed package or bag:

"This bag contains seed treated with ipconazole and thiram. Do not use for food, feed or oil purposes. Persons opening this bag or loading/pouring the treated seed must wear a wear long-sleeved shirt, long pants, shoes, socks, and chemical resistant gloves."

"Plant barley, wheat and oat seed a minimum of one inch deep."

On peanut seed treated with this product, include the statement:

" Do not graze or feed livestock on peanut hay grown from treated seed."

"Restricted-Entry Interval (REI)"

"After seeds have been planted, do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 24 hours**. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with treated seed."

"Treated seeds are hazardous to fish, birds and mammals. Do not plant seeds by broadcasting to the soil surface. Ensure that all seeds are thoroughly covered with soil, especially in turn areas. If seeds are not thoroughly incorporated by the planted during planting, additional incorporation may be required to thoroughly cover exposed seeds. 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 cleaning equipment or disposing of equipment washwater or rinsate or by disposal of wastes."

"Endangered Species"

"This bag contains seeds treated with thiram. This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species County Bulletin for the County or Parish in which you are applying the seed. To determine whether your County has a Bulletin, consult <http://www.epa.gov/espp> before each season's use of this product."

USE RESTRICTIONS

Plant barley, wheat and oat seed a minimum of one inch deep.

Peanuts: Do not graze or feed livestock on treated areas or on hay grown from treated seed.

Do not use treated seed for food, feed or oil purposes. Care must be exercised in the handling of treated seed. Augers used for handling treated seed should not be used to move seed for feed, food or oil processing. Do not re-use bags from treated seed to handle food or feed products.

ALWAYS SHAKE OR STIR PRODUCT WELL BEFORE USE

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate, dry and out of direct sunlight. Avoid excess heat. Do not freeze. ALWAYS SHAKE OR STIR WELL BEFORE USE.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Cover or incorporate spilled treated seeds.

EQUIPMENT CLEANING: Following applications, all seed treatment equipment should be thoroughly rinsed with water. Do not contaminate water by disposal of equipment washwater or rinsate.

CONTAINER DISPOSAL: Nonrefillable Container

Plastic Containers: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Triple rinse as follows: For containers with capacities equal to or less than 5 gallons: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to 1/4 of the container volume - and recap. Shake for 30 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. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

For containers with capacities greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to 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. 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.

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 mix tank. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to 1/4 of the container volume. Agitate vigorously or recirculate rinsate with a pump for 2 minutes, ensuring that the rinsate rinses the walls of the container. Empty the rinsate into application equipment or rinsate collection system, 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.

Recycling

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

IMPORTANT NOTICE - Chemtura Corporation warrants that this product conforms to the chemical description and is reasonably fit for the purposes stated on the label only when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product, contrary to label instructions, or under conditions not reasonably foreseeable to seller, and, to the extent consistent with applicable law, the buyer assumes the risk of any such use.

Treatment of highly mechanically damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small test sample of seed before treating commercial quantities with a selected chemical treatment. Due to seed quality and seed storage conditions beyond the control of Chemtura, Chemtura makes no claims or guarantees as to germination of carry-over seed.

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