

264-942

05-28-2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
 Registration
 Reregistration
(under FIFRA, as amended)

EPA Reg. Number:

264-942

Date of Issuance:

MAY 28 2009

Terms of Issuance:
Conditional

Name of Pesticide Product:
Thiram 50 WP Dyed

Name and Address of Registrant (include ZIP Code):
Bayer CropScience
P.O. Box 12104
2 T.W. Alexander Drive
Research Triangle Park, NC 27709
ATTN: Fred C. Rosa

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Document(s), EPA has reregistered the product listed above. Enclosed is a copy of your label stamped "Accepted with comments." This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Signature of Approving Official:

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

Date:

MAY 28 2009

EPA Reg. No. 264-942

Submit one copy of your final printed labels, with the changes herein, before you Release the product for shipment.

1. On page 1 under PPE, chemical resistance gloves, remove "Except when sewing bags of treated seed, and." Gloves are required PPE for sewing.
2. On page 2 at top of the page add heading "User Safety Requirements."
3. On page 2 in the Environmental Hazard section, delete "Exposed treated seeds may be hazardous.....away from bodies of water."
4. On page 2, in the Storage and Disposal section, delete the following sentences:
"Open dumping is prohibited."
"Do not reuse empty container."
5. On page 3, in the Seed Labeling section, delete the 6th bullet. PPE is mentioned in the second bullet.
6. On page 2 add the heading "ENDANGERED SPECIES" before the last bullet in the SEED LABELING section.
7. On page 4, revise the table for cotton as 4.5 ounces of product per 100 pounds of cotton seed exceeds the allowable rate of 1.6 oz ai/cwt.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(E). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure: Product Reregistration Branch Review (dated February 20, 2009)
Product Chemistry Review (dated March 9, 2009)
Acute Toxicity Review (dated May 12, 2008)

ACCEPTED
with COMMENTS
In EPA Letter Dated

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MAY 28 2009
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

264-942

Thiram 50WP Dyed

Intended for use by professional applicators only.

ACTIVE INGREDIENT:

Thiram (Tetramethylthiuram disulfide)..... 50%

INERT INGREDIENTS: 50%

TOTAL 100%

EPA Reg. No. 264-942

EPA Est.

KEEP OUT OF REACH OF CHILDREN CAUTION

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<p>In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed, absorbed through skin or inhaled. Avoid inhaling of spray mist or dust. Consumption of alcoholic beverages increases the toxic effects of thiram.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Material that is chemical-resistant to this product is natural rubber > 14 mils. If you want more options, follow the instructions for category A on the EPA chemical resistance chart.

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

- long-sleeved shirt and long pants,
- shoes plus socks,
- chemical-resistant gloves except when sewing bags of treated seed, 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.

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

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, 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.

ENDANGERED SPECIES

This bag contains seed treated with thiram. This product may have effects on federally listed threatened 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 Bulletin for the County or Parish in which you are applying the seed. To determine whether your County or Parish has a Bulletin consult <http://www.epa.gov/espp> before each season's use of this product.

ENVIRONMENTAL HAZARDS

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

Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds by burial away from bodies of water.

Treated seeds and bulbs are hazardous to fish, birds and mammals. Do not plant treated seeds or bulbs by broadcasting to the soil surface. Ensure that all seeds and bulbs are thoroughly covered with soil, especially in turn areas. If seeds or bulbs are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds or bulbs.

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. 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.

STORAGE AND DISPOSAL

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

Open dumping is prohibited.

Do not reuse empty container.

PESTICIDE STORAGE

Store in a cool, dry place in an area designated for pesticides, and away from food or feed. Keep pesticide in original container. Keep container firmly closed when not in use.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. Do not reuse drum. Dispose of drum in the same manner.

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 agriculture 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 24 hours.

Exception: Once treated seeds or bulbs are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area if there will be no contact with the treated seeds or bulbs. 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, shoes plus socks, chemical-resistant gloves made of any waterproof material, and protective eyewear.

SEED LABELING

Seeds and Bulbs that are treated with this product and are then packaged or bagged for future use by growers or researchers must contain the following labeling on the outside of the seed or bulb package or bag.

- This bag contains seeds treated with thiram fungicide.
- When opening this bag or loading/pouring the treated seeds wear long-sleeved shirt, long pants, shoes, socks and chemical resistant gloves.
- Treated seed, Do Not Use for Food, Feed, 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.
- 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.
- Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water. Treated seeds or bulbs are hazardous to fish, birds and mammals. Do not plant treated seeds or bulbs by broadcasting to the soil surface. Ensure that all seeds or bulbs are thoroughly covered with soil, especially in turn areas. If seeds or bulbs are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds or bulbs. 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 or by disposal of wastes.
- After the 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 with out restriction if there will be no worker contact with the seeds.
- This bag contains seed treated with thiram. This product may have effects on federally listed threatened 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 Bulletin for the County or Parish in which you are applying the seed. To determine whether your County or Parish has a Bulletin consult <http://www.epa.gov/espp> before each season's use of this product.

Cotton Seed:

Plant treated cotton seed a minimum of 1 inch deep.

Barley Seed:

Plant barley seed a minimum of 1 inch deep.

Oat Seed:

Plant oat seed a minimum of 1 inch deep.

Sugar Beet Seed:

Plant sugar beet seed a minimum of 1 inch deep.

Wheat Seed:

Plant wheat seed a minimum of 1 inch deep.

GENERAL INFORMATION

This product is recommended for the treatment of listed seeds and bulbs and, when used as directed, will usually increase stands and yields by reducing loss from seed decay, damping-off, and seedling blights. It also will usually control the loose and covered kernel smuts of sorghum and will usually prevent basal rot and decay of gladiolus corms. Thiram 50WP Dyed aids in the control of *Alternaria* and *Phoma* on canola. Thiram 50WP Dyed aids in the control of seedborne conidia produced from the honeydew inoculum from field infection of *Claviceps africana* (ergot) on sorghum seed.

DIRECTIONS FOR USE

This product may be applied as a dry treatment or may be mixed into the required amount of water to form a slurry treatment.

(Rotary Drum or Small Container)—Fill unit not more than ½ full; add correct amount of Thiram 50WP Dyed; rotate slowly until product is evenly distributed on all seed.

(Planter or Drill Box)—Place ½ the total amount of seed and Thiram 50WP Dyed in box and mix with paddle or stick. Add remaining ½ of seed and Thiram 50WP Dyed and stir as specified above.

Treat peanuts promptly after shelling. Other seeds may be treated anytime after being well-cured.

For film-coating operations—Thiram 50WP Dyed has demonstrated good to excellent compatibility with most commercial film coating products. Coating procedures identified by the polymer/coating companies and fill-coating equipment manufacturers should be followed when preparing coating preparations containing Thiram 50WP Dyed.

For the treatment of Ornamental Bulbs, Corms and Tubers—Treat after drying thoroughly coating with Thiram 50WP Dyed by shaking in a paper bag or similar device.

Bulbs, Corms and Tubers that are treated with this product must bear distinct labeling that instructs: **CAUTION:** Treated with Thiram 50WP Dyed. Wear rubber gloves and protective clothing when handling products treated with Thiram 50WP Dyed. Direct exposure to skin may result in severe dermatitis.

IMPORTANT

Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time.

NOTE: When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

SEED TREATMENT DOSAGE RATES

Type of Seed	Ounces per 100 pounds
Barley	4.1
Beans (Snap & Dry).....	2.0
Beans (Lima).....	3.0
Beets (Garden & Sugar).....	8.0
Canola*.....	6.4
Cantaloupe, Cucumber, Pumpkin, Squash, Watermelon.....	4.5
Castor Beans*.....	4.5
Corn (Field & Sweet).....	3.0
Cotton.....	4.5
Cowpeas.....	2.0
Eggplant.....	6.0
Flax.....	5.3
Grasses.....	8.0
Legumes (Small seeded).....	8.0
Millet.....	4.0
Okra.....	6.0
Onion.....	3.0
Peanuts (Shelled).....	4.5
Peas.....	3.0
Rice.....	4.3
Rye.....	3.7
Safflower.....	4.0
Sesame.....	3.0
Sorghum.....	2.7
Soybeans.....	3.3
Sugar Beets.....	8.0
Tomato.....	6.0
Wheat.....	3.3

- Broccoli, Brussels Sprouts, Carrots., Cabbage, Cauliflower,
- Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard, Peppers,
- Radish, Spinach, Swiss Chard, Turnip..... All 8.0
- Ornamental foliage plants in the families
- Araliacea (scheffleras), Aracea (philodendrons) and Palmacea (palms) All 8.0
- Ornamental flower seeds All 8.0
- *Not registered for use in California

Precautions and Restrictions

Cotton Seed:

The maximum application rate for cotton seed is 1.6 oz ai/cwt (1,000 ppm).
Plant treated cotton seed a minimum of 1 inch deep.

Barley Seed:

Plant barley seed a minimum of 1 inch deep.

Oat Seed:

Plant oat seed a minimum of 1 inch deep.

Sugar Beet Seed:

Plant sugar beet seed a minimum of 1 inch deep.

Wheat Seed:

Plant wheat seed a minimum of 1 inch deep.

Onion Seed:

When 1.5 lbs ai/cwt is used, the onion seed must undergo pelletized treatment.

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IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, disclaimer of Warranties and Limitations of Liability.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

NET CONTENTS:

Produced for



Bayer CropScience

**Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
1-866-99BAYER (1-866-992-2937)**

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