

# Thiram 50WP

<b>ACTIVE INGREDIENT:</b>	
Thiram (Tetramethylthiuram disulfide) .....	50%
<b>INERT INGREDIENTS:</b> .....	50%
	<b>TOTAL</b> 100%

EPA Reg. No. 264-942

EPA Est. 42056-IL-1

## 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

<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>• Do not give anything by mouth to an unconscious person.</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 mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</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 IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>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.</b></p>	

### PRECAUTIONARY STATEMENTS

#### CAUTION

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

#### PERSONAL PROTECTIVE EQUIPMENT

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

**Applicators and other handlers (other than mixers and loaders) must wear:** long-sleeved shirt and long pants, chemical-resistant gloves, shoes plus socks and protective eyewear.

**Mixers and loaders must wear:** long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear. **Mixers and loaders must wear for exposures in enclosed areas,** a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter. **Mixers and loaders must wear, for exposures outdoors,** a NIOSH approved respirator with any N, R, P or HE prefilter.

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.

## USER SAFETY RECOMMENDATIONS

**Users should:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

## ENVIRONMENTAL HAZARDS

This pesticide product is toxic to fish, birds and wildlife. Do not contaminate water by cleaning of equipment or disposal of wastes. 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.

## 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 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.**

### 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

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 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: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. 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, shoes plus socks and protective eyewear.

## SEED LABELING

Seed commercially treated with this product must be labeled in accord with all applicable requirements of the Federal Seed Act. Labels attached to treated seed must state:

- "Treated seed, must not be used for or mixed with food or animal feed, or processed for oil." and
- "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."

## 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 aids in the control of *Alternaria* and *Phoma* on canola. Thiram 50WP 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; rotate slowly until product is evenly distributed on all seed.

**(Planter or Drill Box)**—Place ½ the total amount of seed and Thiram in box and mix with paddle or stick. Add remaining ½ of seed and Thiram 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 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.

**For the treatment of Ornamental Bulbs, Corms and Tubers**—Treat after drying thoroughly coating with Thiram 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. Wear rubber gloves and protective clothing when handling products treated with thiram. 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
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 Araliaceae (scheffleras), Aracea (philodendrons) and Palmacea (palms) .....	All 8.0
Ornamental flower seeds.....	All 8.0
All other vegetable seeds.....	All 8.0

\*Not registered for use in California

## **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 should 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:** 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. BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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### **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: 50 POUNDS**



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