



# Shield Brite® TBZ 500D

## POSTHARVEST

### Thiabendazole Fungicide for Postharvest Drench and Dip Treatments

**ACTIVE INGREDIENT:**

Thiabendazole: 2-(4-thiazolyl)benzimidazole\* . . . . .

. 42.3%

**OTHER INGREDIENTS:** . . . . .

. 57.7%

**TOTAL:** . . . . .

. 100.0%

\*4.0 lbs. active ingredient per gallon.

EPA Reg. No. 64864-66

EPA Est. No. 42750-MO-01

#### KEEP OUT OF REACH OF CHILDREN CAUTION

**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 the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</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>
<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>
<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 the National Pesticides Information Center at 1-800-858-7378, Monday through Friday, 7:30 a.m. to 3:30 p.m. Pacific Time. During other times, call the poison control center 1-800-222-1222.</p>	
<p>See additional precautionary statements and directions for use inside booklet.</p>	

AD031312

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

Harmful if swallowed. Causes eye and skin irritation. Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants
- Shoes plus socks

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.
- Remove clothing/PPE immediately if pesticides get inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply when weather conditions favor runoff or drift from the target area. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of waste.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean-up procedures and disposal of wastes.

**NOT FOR USE IN FORMULATING AGRICULTURAL PESTICIDES.****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.

Manual seed treatments are prohibited.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.****GENERAL INFORMATION**

SHIELD-BRITE® TBZ 500D is a systemic fungicide which aids in the control of many important plant diseases. If treatment is not effective following use of SHIELD-BRITE® TBZ 500D as recommended, a tolerant strain of fungus may be present. Consideration should be given to prompt use of other suitable non-benzimidazole fungicides. SHIELD-BRITE® TBZ 500D is not for use in formulating agricultural products.

**CROP USE DIRECTIONS****GENERAL – SHAKE OR STIR WELL BEFORE USE.**

Clean equipment before using SHIELD-BRITE® TBZ 500D. When SHIELD-BRITE® TBZ 500D is dispersed in water, the resulting suspension must be constantly agitated. Avoid foaming.

Use the higher recommended rates under conditions of heavier disease pressure for citrus sprays.

Compatibility information for SHIELD-BRITE® TBZ 500D with other chemicals is limited. Consult your supplier or agricultural experiment station for specific recommendations.

Do not apply this product through any type of irrigation system.

**CARROTS**

**Gray Mold (Botrytis Cinerea)** and **Sclerotinia Rot (Sclerotinia sclerotiorum):**

Dip carrots, before storage, for 5 – 10 seconds in a suspension containing 41 fl. oz. of SHIELD-BRITE® TBZ 500D per 100 gallons of water. Replenish the suspension when the volume is too low or when it becomes dirty.

The runoff and wastes from the dipping operation should not be discarded in a drainage which could contaminate public water systems.

NET CONTENTS: 5 QUARTS  
(4.75 LITERS)



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# Shield-Brite® TBZ 500D

## CITRUS (One Application Only)

**Blue mold (*Penicillium digitatum*)**, Green mold (*Penicillium italicum*), and stem end rot (*Diplodanatalensis*): Dip, flood, or spray harvested fruit with a suspension of product in water, wax/oil emulsion, or aqueous dilution of a wax/oil emulsion. Rate will vary according to application method; please refer to the following for specific rates for citrus blue mold control.

**Citrus Bin Dips, Floods and Drenches:** Use 26 fl. oz. of product in 100 gallons of water to provide 1,000 ppm TBZ. Citrus must be drenched for three (3) minutes. Use one (1) gallon of diluted mixture per 1,500–2,000 lbs. citrus or 100 gallons of diluted mixture for about 30 bins. Avoid excessive foaming, use antifoam if needed.

**Citrus Sprays:** Use 52 – 91 fl. oz. product in 100 gallons of water, wax/oil emulsions, or an aqueous dilution of wax/oil emulsion to provide 2,000–3,500 ppm of TBZ. Keep the mixture under constant agitation. Apply at a rate of one gallon per 8,000–10,000 lbs. citrus fruit.

For sporulation control, apply 130 fl. oz. of product in 100 gallons of water, wax/oil emulsion, or aqueous dilution of a wax/oil emulsion to provide 5,000 ppm of thiabendazole. Apply at a rate of one gallon of diluted mixture per 8,000–10,000 lbs. citrus fruit.

## POTATO

**Fusarium Tuber Rot:** Mist unwashed tubers on a conveyor line, with tumbling action, entering storage with 0.42 fl. oz. of SHIELD-BRITE® TBZ 500D to each 2,000 lbs. of tubers in sufficient water for complete coverage. If an additional treatment is necessary before shipping, mist the tubers at the same rate or dip the tubers for 20 seconds in a solution containing 0.42 fl. oz. of SHIELD-BRITE® TBZ 500D per gallon of water. Do not treat seed potatoes after cutting. SHIELD-BRITE® TBZ 500D for potatoes should be used as part of an Integrated Management Program, which includes prevention of bruising during harvest and maintaining proper storage temperature and relative humidity. Neither cultural practices nor chemical measures will prevent Fusarium infection if potatoes are damaged or improperly stored.

## POME FRUIT (Apples and Pears)

**Blue Mold Rot, Bull's Eye Rot, and Gray Mold (Nest Rot, Cluster Rot), Stem End and Neck Rot:** Dip, flood, or spray harvested fruit with a suspension of 16 fl. oz. of SHIELD-BRITE® TBZ 500D in 100 gals. of water. Do not treat for over 3 minutes. Treat apples only before and after storage for maximum decay control. Treat pears once.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE STORAGE:** Store in a cool, dry place away from food, drink, and animal feeding stuffs. Do not store below 32°F (0°C). Repeated product freezing and thawing should be avoided. Shake or stir product 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 in accordance with Federal, State or local procedures under the Resource Conservation and Recovery Act.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple 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. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.**

## NOTICE TO BUYER

**IMPORTANT:** Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

## LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY

Upon purchase of this product, purchaser and user agree to the following terms:  
**Warranty:** To the extent consistent with applicable law, Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects and is remarkably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. The Company makes no other representation or warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose; no such warranty shall be implied by law, and no agent or representative is **authorized** to make any such warranty on the Company's behalf.

**Terms of Sale:** The Company's directions for use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company's control. All such risks are assumed by the user.

**Limitations of Liability:** To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury, or other claim. Under no circumstances shall the Company be liable for any special, indirect, incidental, or consequential damages of any kind, including loss of profits or income, and any such claims are hereby waived.

The Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale, and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

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