THIABENDAZOLE 4L ST
Fungicide

Manufactured for:
ALBAUGH, INC.
1525 NE 36th Street
Ankeny, Iowa 50021

See inside booklet for additional precautionary statements and complete directions for use.

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. 42750-226
EPA Est. No. 42750-MO-01

KEEP OUT OF REACH OF CHILDREN

CAUTION

IF SWALLOWED:
• 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 the poison control center or doctor.
• Do not give anything by mouth to an unconscious person.

IF IN EYES:
• 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 ON SKIN OR CLOTHING:
• 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372.

AD031312C
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

In addition to the above, handlers making application to mushroom houses using hand-held sprayers must wear chemical-resistant gloves.

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.

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 agricultural 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 12 hours.

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 made of any waterproof material
- Shoes plus socks

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

THIABENDAZOLE 4L ST is a systemic fungicide which aids in the control of many important plant diseases. If treatment is not effective following use of THIABENDAZOLE 4L ST as recommended, a tolerant strain of fungus may be present. Consideration should be given to prompt use of other suitable non-benzimidazole fungicides. THIABENDAZOLE 4L ST is not for use in formulating agricultural products.
CROP USE DIRECTIONS

GENERAL – SHAKE OR STIR WELL BEFORE USE.

Clean equipment before using THIABENDAZOLE 4L ST. When THIABENDAZOLE 4L ST is dispersed in water, the resulting suspension must be constantly agitated. Avoid foaming.

Compatibility information for THIABENDAZOLE 4L ST 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.

SWEET POTATOES (Seed Roots)
(In California make no more than 1 application)

Black Rot, Scurf, and Foot Rot: Dip the seed roots in a suspension containing 8 fl. oz. of THIABENDAZOLE 4L ST per 7.5 gallons of water (107 fl. oz. per 100 gals.). Treat the seed roots for 1–2 minutes and plant immediately. Discard the suspension when the volume is too low or when it becomes dirty. Do not use the treated roots for food or feed.

SEED TREATMENT

Treatment of highly mechanically scarred or 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 using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of Albaugh, Inc., no claims are made to guarantee the germination of carry-over seed or propagating material for all crop seed.

Seed treatment with THIABENDAZOLE 4L ST fungicide will not provide postemergence protection of plants grown in or near infected fields.

Mixing Procedures:
Apply THIABENDAZOLE 4L ST as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the recommended amount of THIABENDAZOLE 4L ST into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment. Allow seed to dry before bagging.

Federal law requires that bags containing treated seed shall be labeled with the following information:
“This seed has been treated with thiabendazole fungicide. Do not use for feed, food, or oil purposes. Store away from feed and foodstuffs. Use an EPA-approved dye or colorant that imparts an unnatural color to the seed.”

Mixing with other pesticides is limited to adequate physical compatibility and satisfactory phytotox test results.

SOYBEAN SEED TREATMENT:
(In California make no more than 1 application)

THIABENDAZOLE 4L ST is recommended for protection against pod and stem blight (Phomopsis spp.) on soybean seed to improve germination and early-season seedling health. For protection against other seed and soil-borne diseases, it is recommended that a co-fungicide such as Apron® XL LS + Maxim® 4FS, or an Apron MAXX® brand fungicide, be used at EPA-registered labeled rates and tank mixed in combination with THIABENDAZOLE 4L ST. Consult the label for appropriate use rates and follow all use instructions for the products. Utilized as a seed treatment for protection against seed-borne and early-season seedling pod and stem blight on soybean: Apply THIABENDAZOLE 4L ST at the rate of 0.08 to 0.16 fl. oz. per 100 lbs. of seed.

SEED TREATMENT FOR:
PEAS (Dry), CHICKPEA (garbanzo beans) (Cicer arietinum), LENTIL (Lens escuentata), PEAS (Pisum spp.), PIGEON PEAS (Cajanus cajan)

THIABENDAZOLE 4L ST fungicide is used to effectively suppress seed-borne Ascochyta blight caused by the pathogen Ascochyta rabiei. THIABENDAZOLE 4L ST seed treatment must also be used to minimize the threat of highly infectious and limit spread of residue-borne and wind-borne infection of chickpeas and lentil crops by Ascochyta blight.

Chickpea Seed Treatment:
For slurry solutions in water, mix 2.04 fl. oz. of THIABENDAZOLE 4L ST fungicide in an equal amount of water (1:1) to provide adequate coverage and apply to 100 lbs. of seed. Keep dispersion under constant agitation. It is essential that thorough coverage of seed be obtained.

Lentil Seed Treatment:
For slurry solutions in water, mix 1.05 fl. oz. of THIABENDAZOLE 4L ST fungicide in an equal amount of water (1:1) to provide adequate coverage and apply to 100 lbs. of seed. Keep dispersion under constant agitation. It is essential that thorough coverage of seed be obtained.

Peas Seed Treatment:
For a ready mix or slurry treaters, mix 1.02 fl. oz. of THIABENDAZOLE 4L ST fungicide in adequate water to provide complete coverage and apply to 100 lbs. of seed. Keep dispersion under constant agitation. It is essential that thorough coverage of seed be obtained.

For Export Use on Peas Seed:
THIABENDAZOLE 4L ST fungicide may be mixed with other registered seed treatment products in accordance with the importing Nation’s Phytosanitary requirements. Treated seed must be labeled “For Export Only”– Not to be Sold or Offered for Sale in the United States.

For best results against Ascochyta blight, plant chickpeas, peas or lentil seed treated with THIABENDAZOLE 4L ST fungicide as late in the spring as possible.
RESTRICTIONS AND LIMITATIONS FOR SEED TREATMENTS

- Maximum one application per season.
- The product is not to be tank mixed with any pesticide unless physical compatibility and phytotoxicity tests have been completed and proved to be satisfactory.
- Do not feed vines or hay grown from treated seed to livestock.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store THIABENDAZOLE 4L ST 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 containers (1, 2.5, & 30 gallon): Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

(non-refillable <5 gallons): 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 puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(non-refillable >5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 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. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

REFILLABLE CONTAINER (>250 gallon): 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 the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing process two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ALBAUGH CROP PROTECTION, Inc. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold ALBAUGH, INC. and Seller harmless for any claims relating to such factors.

ALBAUGH, INC. and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of ALBAUGH, INC.

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