

FROGHORN™

FUNGICIDE

ACTIVE INGREDIENTS:

Thiophanate-methyl (dimethyl[1,2-phenylene]-bis(iminocarbonothioyl))bis[carbamate])* 37.5%
 Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol 7.5%

OTHER INGREDIENTS: 55.0%

TOTAL: 100.0%

*Also known as dimethyl 4,4'-o-phenylenebis[3-thioallophanate]

Contains 3.6 pounds thiophanate-methyl per gallon.

Contains 0.7 pounds tebuconazole per gallon.

EPA Reg. No. 8033-127-70506

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
 (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID**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 a 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 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 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.

Note to Physician: No specific antidote. Treat symptomatically.

Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

f

FUNGICIDE

NET CONTENTS: _____ GALLONS



EMERGENCY TELEPHONE NUMBERS:

**FOR MEDICAL EMERGENCIES:
(866) 673-6671 (Rocky Mountain Poison Control Center)
FOR SPILLS OR TRANSPORTATION EMERGENCIES:
(800) 424-9300 (Chemtrec)**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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 and loaders and applicators must wear:

- long-sleeved shirt and long pants,
- shoes plus socks,
- chemical-resistant gloves for all mixers and loaders and for applicators using hand held equipment,
- chemical-resistant apron for mixers, loaders, and other handlers exposed to the concentrate

USER SAFETY REQUIREMENTS

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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 pesticide is toxic to mammals, fish, and aquatic invertebrates.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory: Tebuconazole is known to leach through soil under certain conditions as a result of product use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

Surface Water Advisory: This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

ENGINEERING CONTROLS

When handlers use enclosed cabs in a manner that meets the requirements listed in the worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

DIRECTIONS FOR USE

SHAKE WELL BEFORE USING

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.

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). The REI for each crop is listed in the directions for use associated with that crop.

Exemption: 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 over long-sleeved shirt and long pants, chemical-resistant gloves made from any waterproof material, chemical-resistant footwear plus socks, and chemical-resistant headgear for over head exposures.

GENERAL INSTRUCTIONS AND INFORMATION

Apply Froghorn with ground or aerial equipment using sufficient volume of spray to provide thorough coverage. Unless specified otherwise in the crop-specific directions, for aerial applications use a minimum of 5 gallons/acre and for ground applications use a minimum of 20 gallons/acre. Check equipment calibration frequently. Continuous agitation is required to keep the material in suspension.

Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage. Higher spray volume will generally result in better coverage and disease control. See local State Extension Service recommendations for application schedules.

SPRAY EQUIPMENT

Equip sprayers with nozzles that provide accurate and uniform application. Calibrate sprayer before use. Check nozzle manufacturer's recommendations.

Use a pump with capacity to: (1) maintain at least 35-40 psi at nozzles, and (2) provide sufficient agitation in tank to keep mixture in suspension – this requires recirculation of 10% of tank volume per minute. Use a jet agitator or liquid sparge tube for agitation.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state and local agricultural recommendations.

SPRAY DRIFT MANAGEMENT

Do not make applications when conditions favor drift beyond the target application area. When drift may be a problem, take measures to reduce drift, including:

1. Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 15 mph or greater. If non-target crops are located downwind, use caution when spraying if wind is present.
2. Use caution when conditions are favorable for drift (high temperatures and or low relative humidity).
3. Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.

MIXING AND COMPATIBILITY INSTRUCTIONS

Mixing: Thoroughly clean spray equipment before using this product. Fill spray tank half full and add recommended amount of Froghorn into the spray tank while filling with water to the desired level. Operate the agitator while mixing. Prepare no more spray mixture than is required for the immediate operation. If other materials are added to the spray tank, thoroughly disperse Froghorn before adding other materials. Begin application of the solution when the Froghorn has completely dispersed in the mix water. Maintain agitation until all of the mixture has been applied. Do not let spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

Compatibility: Determine the compatibility of Froghorn with other products by means of the following procedure: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

WHEN TANK MIXING THIS PRODUCT WITH OTHER PESTICIDES OBSERVE THE MORE RESTRICTIVE LABEL LIMITATIONS AND PRECAUTIONS. NO LABEL DOSAGE RATES SHOULD BE EXCEEDED. THIS PRODUCT CANNOT BE MIXED WITH ANY PRODUCT CONTAINING A LABEL PROHIBITION AGAINST SUCH MIXING. DO NOT COMBINE FROGHORN IN A SPRAYER TANK WITH PESTICIDES, SURFACTANTS OR FERTILIZERS, UNLESS YOUR PRIOR USE HAS SHOWN THE COMBINATION TO BE PHYSICALLY COMPATIBLE, EFFECTIVE, AND NONINJURIOUS UNDER YOUR CONDITIONS OF USE.

INTEGRATED PEST (DISEASE) MANAGEMENT

Integrate Froghorn into an overall disease and pest management strategy whenever the use of a fungicide is required. Follow cultural practices known to reduce disease development. Consult your local agricultural authorities for additional IPM strategies established for your area. Froghorn may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

Froghorn is a mixture of Group 1 (thiophanate-methyl) and Group 3 (tebuconazole) fungicides. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or State agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include rotating and/or tank mixing with products having different modes of action or limiting the total number of applications per season.

CROP	DISEASES	RATE FL. OZ. FROGHORN/ACRE	REMARKS
Soybeans Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.	General Information		Do not exceed a total application of 1.4 lbs. a.i. thiophanate-methyl and 0.34 lb. a.i. tebuconazole per acre per year from all applications of all products containing these active ingredients. Pre-harvest interval (PHI): 21 days Do not graze or feed treated vines or hay to livestock.
	Aerial Blight (suppression) (<i>Rhizoctonia solani</i>) Asian Soybean Rust (<i>Phakopsora pachyrhizi</i>) Anthracnose (<i>Colletotrichum</i> spp.) Brown Spot (<i>Septoria glycines</i>) Frogeye Leaf Spot (<i>Cercospora sojina</i>) Pod & Stem Blight (<i>Diaporthe phaseolorum</i>) Powdery Mildew (<i>Microsphaera diffusa</i>) Purple Seed Stain (<i>Cercospora kikuchii</i>) White Mold (<i>Sclerotinia sclerotiorum</i>)	20	Closely observe soybean fields beginning at the early reproductive growth stages, scouting for early disease symptoms especially when conditions favor disease development. Apply Froghorn either as a preventative application or at first visible symptoms of disease as a broadcast foliar application for control of leaf and pod diseases. – For control of White Mold begin applications at R1-R2. – For control of Asian Soybean Rust, begin Froghorn applications at R3 (beginning pod growth), or Pre/Early post ASR infection. Repeat applications on a 14-day interval if environmental conditions favor disease development. Applications later than 14 days after pods average 1/4 inch in length are prohibited.
Pecan Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 3 days.	General Information		Do not exceed a total application of 2.1 lbs. a.i. thiophanate-methyl and 0.9 lb. a.i. tebuconazole per acre per year from all applications of all products containing these active ingredients. Pre-Harvest Interval (PHI): Do not apply after shuck split. Do not graze or feed treated plants or hay to livestock.
	Scab (<i>Cladosporium caryigenum</i>) Brown leaf spot (<i>Sirosporium diffusum</i> , <i>Cercospora fusca</i>) Downy spot (<i>Mycosphaerella caryigena</i>) Powdery mildew (<i>Microsphaera penicillata</i>) Stem end blight (<i>Botryosphaeria</i>) Liver spot (<i>Gnomonia caryae</i>) Vein spot (<i>Gnomonia nerviseda</i>) Zonate leaf spot (<i>Grovesinia pyramidalis</i>)	25	Closely observe pecan orchards beginning at early stages, scouting for early disease symptoms especially when conditions favor disease development. Apply Froghorn either as a preventative application or at first visible symptoms of disease beginning at early bud break (young leaves unfolding), and continue applications at a 21 day interval through the pollination period. Apply Froghorn in a spray volume of 15 or more gallons per acre by air or 50 or more gallons per acre by ground. Alternate applications of Froghorn with another effective fungicide. Froghorn can be tank mixed with the labeled rate of Super Tin® in cover sprays. Follow label directions for use of Super Tin. Do not add a surfactant to the spray solution when tank-mixing Froghorn with Super Tin.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

Apply only during alternate years in fields adjacent to aquatic areas listed above.

Do not apply by ground or air within 100 feet of aquatic areas listed above.

Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

Spray Drift Management: For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wingspan or rotor diameter.

Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

ROTATIONAL CROPS

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. Any crop not specified on this label may be planted into treated areas 120 days after last application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal instructions listed below.

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 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 HANDLING:

Nonrefillable container. Do not reuse or refill this container.

Clean container 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 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.

**IMPORTANT INFORMATION
READ BEFORE USING PRODUCT**

**CONDITIONS OF SALE AND LIMITATION OF
WARRANTY AND LIABILITY**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. 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 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 United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNITED PHOSPHORUS, INC. AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.

Froghorn is a trademark of United Phosphorus, Inc.
Super Tin is a registered trademark of United Phosphorus, Inc.
© 2016 United Phosphorus, Inc. All rights reserved.
Rev. 10/22/10
8033-127-70506(031914-6171)