



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

53883-483

Date of Issuance:

12/15/20

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Quali-Pro TM 4.5

Name and Address of Registrant (include ZIP Code):

Lisa Adamson  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77505-1041

**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 registered 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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505P

Date:

12/15/20

2. You are required to comply with the data requirements described in the DCI identified below:
  - a. Thiophanate-methyl GDCI-102001-1439  
You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>
3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 53883-483.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 02/26/2020
- Alternate CSF 1 dated 02/26/2020

If you have any questions, please contact Lindsay DeMers by phone via email at [demers.lindsay@epa.gov](mailto:demers.lindsay@epa.gov).

Enclosure

**ACCEPTED**

12/15/2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 53883-483

Thiophanate-methyl GROUP 1 FUNGICIDE

# QUALI-PRO™ 4.5

<b>ACTIVE INGREDIENT:</b>	<b>% BY WT.</b>
Thiophanate-methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis[carbamate]) .....	46.2%
<b>OTHER INGREDIENTS:</b> .....	<u>53.8%</u>
<b>TOTAL</b>	<b>100.0%</b>

Contains 4.5 pounds of thiophanate-methyl per gallon.

## KEEP OUT OF REACH OF CHILDREN CAUTION

**Manufactured for:**  
Control Solutions, Inc.  
5903 Genoa Red Bluff  
Pasadena, TX 77507

EPA Reg. No. 53883-UIG

EPA Est. No. XXXXXXXXXX

**NET CONTENTS: XXXX GALS**

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</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 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 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>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall at 1-866-897-8050 for emergency medical treatment information.</p>	

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

Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water, after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Handlers mixing, loading, and applying the product as a dip (including application of product in kaolinite clay to conifer seedling roots) must wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, polyvinyl chloride > 14 mils or viton > 14 mils
- Chemical-resistant footwear plus socks
- A chemical-resistant apron

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

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, polyvinyl chloride > 14 mils or viton > 14 mils
- Chemical-resistant apron for mixers, loaders, and other handlers exposed to the concentrate

**User Safety Requirements:** Follow manufacturer's instructions for cleaning/maintaining personal protective equipment, 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. **DO NOT** reuse them.

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Remove clothing/PPE 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.

### 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.

### ENVIRONMENTAL HAZARDS

**DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean highwater mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

### 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.

**DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

### AGRICULTURAL USE REQUIREMENTS

Use this product 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 intervals. 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 each crop.

**Exemption:** If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated areas 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 including plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. **DO NOT** enter or allow others to enter until sprays have dried.

### PRODUCT INFORMATION

Apply **QUALI-PRO TM 4.5** with ground or aerial equipment using sufficient volume of spray to provide thorough coverage. Add required amount of **QUALI-PRO TM 4.5** to partially filled tank agitated by mechanical or hydraulic means and then add remaining required amount of water. Continuous agitation is required to keep the material in suspension. **DO NOT** tank mix with highly alkaline pesticides, for example, Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Use the higher rate under conditions of severe disease pressure. Also, see local State Extension Service instructions for application schedules.

Use the fl. oz/acre rate for concentrate sprayers (less than 400 gallons on apples, less than 300 gallons on stone fruit). Use the fl. oz/100-gal rate for dilute ground application. For aerial applications use a minimum of 5 gal/acre for row crops; use a minimum of 10 gal/acre for tree crops. For ground applications use a minimum of 20 gal/acre for row crops and 30 gal/acre for tree crops. Higher spray volume will result in better coverage and better disease control.

Chemigation instructions follow the **RESISTANCE MANAGEMENT** section of this labeling. **DO NOT** apply through any irrigation system unless these instructions are followed.

In California, chemigation is only allowed for the following crops: beans, cucurbits (cantaloupe, casaba, cucumbers, melons, pumpkins, squash, and watermelons), peanuts, soybeans, strawberries, and sugar beets.

When an adjuvant is to be used with this product, Control Solutions, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

### RESISTANCE MANAGEMENT

For resistance management, **QUALI-PRO TM 4.5** contains thiophanate-methyl, a Group 1 fungicide. Any fungal population may contain individuals naturally resistant to this product and other Group 1 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed. The following steps may delay the development of fungicide resistance:

- Rotate the use of **QUALI-PRO TM 4.5** or other Group 1 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

## **SPRAY DRIFT**

### **Aerial Applications:**

- **DO NOT** release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a coarse or coarser droplet size (ASABE S572.1)
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site. If this windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed wing aircraft and 90% or less of the rotor diameter for helicopters.
- **DO NOT** apply during temperature inversions.

### **Ground Boom Applications:**

- Users must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

## **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

## **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

## **WIND**

Drift potential generally increases with wind speed. **AVOID APPLIATIONS DURING GUSTY WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### **Handheld Technology Applications:**

- Take precautions to minimize spray drift

## **CHEMIGATION INSTRUCTIONS**

- Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, or drip (mini-micro sprinklers, strip tubing, trickle) irrigation systems.
- **DO NOT** apply this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, contact Cooperative Extension Service specialists, equipment manufacturers, or other experts.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- **DO NOT** connect the chemigation system to any public water system. Public water system means a system for the provision of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

## **SYSTEM REQUIREMENTS**

Systems utilizing a pressurized water and pesticide injection system must meet the following requirement:

- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

- Systems must use a metering pump including a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

### **INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION, DRIP (TRICKLE) IRRIGATION**

Observe the requirements in the **SYSTEM REQUIREMENTS** section above.

- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.
- Apply **QUALI-PRO TM 4.5** only through systems containing anti-siphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to ensure simultaneous shut off.
- Maintain a gentle continuous agitation in mix tank during mixing and application to ensure a uniform suspension.
- Greater accuracy in calibration and distribution will be achieved by injecting a large volume of a more dilute suspension per unit time.
- Application of more than the specified quantities of irrigation water per acre can result in decreased product performance.
- **DO NOT** apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution, or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot/injection unit to prevent spray being applied to this area.
- Where sprinkler distribution patterns do not overlap sufficiently, unacceptable disease control may result.
- Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.
- Apply **QUALI-PRO TM 4.5** in conjunction with chemically neutral liquid fertilizers. Avoid application in conjunction with highly alkaline fertilizers, for example, aqueous ammonia, as degradation of the pesticide could result in reduced performance.
- Check local restrictions and requirements regarding sprinkler irrigation applications, as they vary from state to state.

### **SPRAY PREPARATION**

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water. Prepare a suspension of **QUALI-PRO TM 4.5** in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of **QUALI-PRO TM 4.5** and then the remaining volume of water.

### **APPLICATION INSTRUCTIONS**

#### **Sprinkler Irrigation-Notes**

Observe all **SYSTEMS REQUIREMENTS** and **APPLICATION INSTRUCTIONS**. Set sprinkler system to deliver 0.4 inches of water per acre. Volumes of water higher than this could reduce efficacy. Start sprinkler and then uniformly inject the suspension of **QUALI-PRO TM 4.5** into the irrigation water line so as to deliver the desired rate per acre. Inject the suspension of **QUALI-PRO TM 4.5** with a positive displacement pump into the main line ahead of a right angle to ensure adequate mixing.

**NOTE:** When treatment with **QUALI-PRO TM 4.5** has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

#### **Drip (Mini-Micro Sprinklers, Strip Tubing, Trickle) Irrigation-Notes**

Observe all **SYSTEM REQUIREMENTS** and **APPLICATION INSTRUCTIONS**.

#### **Preharvest Interval (PHI)**

The required days between last application and harvest are given in the **REMARKS** section for each crop.

REI = Restricted-Entry Interval



### APPLICATION RATES

CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
<b>ALMONDS</b>	Brown Rot Blossom Blight ( <i>Monilinia</i> ) Scab ( <i>Cladosporium</i> sp.) Jacket Rot ( <i>Monilinia</i> , <i>Sclerotinia</i> , <i>Botrytis</i> ) Leaf Blight ( <i>Seimatosporium</i> )	20-30 (0.70-1.05 lb.ai/A)	---	Apply at early pink bud and early petal fall. Apply at pink bud for Brown Rot control. For all other applications <b>QUALI- PRO™ 4.5</b> can be applied with a contact fungicide for broad- spectrum control and resistance management.
	<b>Restrictions</b>			<ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 30 fl. oz/A (1.05 lb. ai/A) of product per application.</li> <li>• <b>DO NOT</b> apply more than 60 fl. oz/A (2.1 lb. ai/A) of product per year.</li> <li>• <b>DO NOT</b> apply more than 3 applications at the lowest rate (20 fl. oz./A or 0.70 lb. ai/A) or 2 applications at the highest rate (30 fl. oz./A or 1.05 lb. ai/A) per year.</li> <li>• Minimum RTI is 21 days.</li> <li>• The PHI is 1 day.</li> <li>• The REI is 3 days.</li> </ul>
<b>APPLES</b>	Apple Scab ( <i>Venturia</i> ) Black pox* ( <i>Helminthosporium papulosum</i> ) Flyspeck ( <i>Zygophiala</i> sp.) Powdery Mildew ( <i>Podosphaera</i> sp.) Sooty Blotch ( <i>Gloeodes</i> ) Black Rot ( <i>Botryosphaeria obtusa</i> ) Brooks fruit spot ( <i>Mycosphaerella sp.</i> ) White rot* ( <i>Botryosphaeria sp.</i> )	15-20 (0.53-0.70 lb.ai/A) (except CA)  30 (1.05 lb. ai/A) CA Only	3.75-5 (0.13-0.18 lb.ai)  7.5 (0.26 lb. ai) CA Only	Apply at 5- to 10-day intervals from green tip through petal fall; continue at 7- to 14-day intervals as cover sprays.

CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
<b>APPLES</b> (continued)	<b>Preharvest use to control Post-Harvest Diseases on Apples</b>			
	Storage Rot Blue Mold ( <i>Penicillium expansum</i> ) Gray Mold ( <i>Botrytis cinerea</i> ) Bulls-Eye Rot ( <i>Neofabraea</i> spp.)	1 (0.035 lb.ai/A)	3.75-5 (0.13-0.18 lb.ai)	Apply as a pre-harvest spray within 2 weeks to 3 days of harvest. Application closer to harvest provides better efficacy. Application of a non-benzimidazole post-harvest fungicide will provide additional protection from post-harvest diseases.
<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 80 fl. oz/A (2.80 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year total including both applications beginning at petal fall and preharvest applications to control post-harvest diseases.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz./A (0.70 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application (excluding CA).</li> <li>• <b>CA ONLY: DO NOT</b> apply more than 30 fl. oz./A (1.05 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> apply more than 5 applications at the lowest rate (15 fl. oz./A or 0.53 lb. ai/A) or 4 applications at the highest rate (20 fl. oz./A or 0.70 lb. ai/A) per year.</li> <li>• Minimum RTI of 7 days unless specified in this label.</li> <li>• The PHI is 1 day.</li> <li>• The REI is 2 days.</li> </ul> <b>*Not registered for this use in California</b>				

CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
<b>BEANS</b> (Dry and Succulent) including: Lima bean, Snap bean, Kidney bean, Mung bean, Navy bean, Pinto bean, Wax bean, Broad bean, Fava bean, Asparagus bean, Blackeyed pea, Cowpea, Sweet lupine, White lupine White Sweet lupine, Grain lupine, Chick pea, Garbanzo bean	Gray Mold ( <i>Botrytis</i> ) White Mold ( <i>Sclerotinia</i> ) Anthracnose ( <i>Colletotrichum</i> )	30-40 (1.05-1.40 lb.ai/A)	---	For one application: Apply when 100% of plants have at least one open bloom or when conditions are favorable for disease development.
		<b>OR</b>  20-30 (0.70-1.05 lb. ai/A)  Use a maximum of 80 fl. oz of product per acre (2.80 lb. a.i) per crop cycle, with a minimum 7-day spray interval.		<b>OR</b> For multiple applications: Make first application when 10%-30% of plants have at least one open bloom and follow with sequential applications on a 4- to 7-day interval.
<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 80 fl. oz/A of product (2.80 lb. ai/A) per year</li> <li>• <b>DO NOT</b> apply more than 40 fl. oz./A of <b>QUALI-PRO TM 4.5</b> (1.40 lb. ai/A) in a single application.</li> <li>• <b>DO NOT</b> make more than 4 applications at the lowest rate (20 fl. oz./A or 0.70 lb. ai/A)</li> </ul>				

	<p>per year.</p> <ul style="list-style-type: none"> <li>• Minimum RTI is 4 days.</li> <li>• The REI is 1 day for all succulent beans and 3 days for dry beans.</li> <li>• The PHI is <b>14</b> days for succulent beans and lima beans</li> <li>• PHI is <b>28</b> days for dry beans.</li> </ul> <p><b>For California Only:</b></p> <ul style="list-style-type: none"> <li>• PHI is <b>14</b> days for succulent beans.</li> <li>• PHI is <b>28</b> days for dry beans and lima beans.</li> </ul>
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CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/100 GAL	APPLICATION INSTRUCTIONS
<b>CUCURBITS:</b> Cantaloupe, Casaba Cucumbers, Melons, Pumpkins, Summer and winter squash, Watermelons	Acremonium/ Cephalosporium Hypocotyl rot	10 (0.35 lb. ai/A)	---	Apply in-furrow, on top of the seeds at planting. <b>DO NOT</b> use less than 10 gallons of water per acre.
	Anthracnose* ( <i>Colletotrichum</i> ) Gummy Stem Blight* ( <i>Didymella</i> ) Powdery Mildew ( <i>Erysiphe</i> ) Target Spot* ( <i>Corynespora</i> )	10 (0.35 lb. ai/A)	---	Begin applications when plants begin to run or when disease first appears and repeat at 7- to 14-day intervals as needed.  For Target Spot, use 7-day intervals as needed.
	Belly Rots ( <i>Rhizoctonia, Fusarium</i> )	10 (0.35 lb. ai/A)	---	For Belly Rots, apply in sufficient volume to allow runoff to the soil. Will not control <i>Pythium</i> or <i>Phytophthora</i> .
	Suppression of vine decline ( <i>Monosporascus</i> ) Charcoal rot ( <i>Macrophomina</i> )	10 (0.35 lb. ai/A)	---	Apply through buried drip irrigation (chemigation) to the root zone. For disease suppression, apply at 14-day intervals beginning at emergence and continuing to harvest. Applications weekly or biweekly, beginning 4-6 weeks prior to harvest, will also offer suppression but may not be as effective as a season-long program.
<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 60 fl. oz./A product (2.1 lbs. a.i./A) per year from any combination of application timings.</li> <li>• <b>DO NOT</b> apply more than 10 fl. oz./A (0.35 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> make more than 6 applications at 10 fl. oz./A or 0.35 lb. ai/A per year.</li> <li>• Minimum RTI is 7 days.</li> <li>• <b>QUALI-PRO TM 4.5</b> can be tank mixed with mancozeb or chlorothalonil for additional disease control and resistance management.</li> <li>• Follow resistance management guidelines under <b>DIRECTIONS FOR USE.</b></li> <li>• The PHI is 1 day.</li> <li>• The REI is 1 day.</li> </ul> <p>*Not registered for this use in California</p>				

CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
GARLIC (Clove treatment)	Penicillium Clove rot	---	20 (0.70 lb. ai/100 gal)	Completely immerse garlic cloves in suspension for at least five minutes. Continuously agitate the solution tank by hydraulic or mechanical means. After treatment, remove cloves from solution and drain over sand. Dry cloves after treatment and prior to planting.
	<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> use through any type of irrigation system.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz (0.70 lb. ai) per 100 gallons of water per application.</li> <li>• <b>DO NOT</b> apply more than 40 fl. oz./A (1.40 lb. ai/A) per year.</li> <li>• <b>DO NOT</b> apply more than 2 applications per year.</li> <li>• The PHI is 0 days.</li> <li>• The REI is 3 days.</li> </ul>			
ONIONS* GARLIC (IN- FURROW)	White rot ( <i>Sclerotinia cepivorum</i> )	40 fl. oz. broadcast (1.40 lb. ai/A broadcast)	---	Apply <b>QUALI-PRO TM 4.5</b> by spraying directly into the open furrow at the time of planting seed, sets, or bulbs.
	<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> use through any type of irrigation system.</li> <li>• <b>DO NOT</b> apply more than 1 fl. oz. (0.035 lb. ai) per 1000 row feet in a single application.</li> <li>• <b>DO NOT</b> apply more than 40 fl. oz/A (1.40 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 1 application at 40 fl. oz/A or 1.40 lb. ai/A per year.</li> <li>• Minimum RTI is 14 days.</li> <li>• The PHI is 0 days.</li> <li>• The REI is 3 days.</li> </ul> *Not registered for this use in California			
PEANUTS	Early Leaf Spot ( <i>Cercospora</i> ) Late Leaf Spot ( <i>Cercosporidium</i> ) Rust ( <i>Puccinia</i> ) Limb rot ( <i>Rhizoctonia</i> ) Web blotch ( <i>Ascochyta</i> )	10 (0.35 lb. ai/A)	---	Begin applications when disease first appears and repeat at 14-day intervals, as needed.
	<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> use <b>QUALI-PRO TM 4.5</b> alone. Use only in combination with another non-benzimidazole fungicide including mancozeb at 1.5 lb./A or chlorothalonil. Follow resistance management guidelines under <b>DIRECTIONS FOR USE</b>.</li> <li>• <b>DO NOT</b> apply more than 40 fl. oz/A (1.40 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 4 applications at 10 fl. oz./A or 0.35 lb. ai/A per year.</li> <li>• <b>DO NOT</b> apply more than 10 fl. oz./A (0.35 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• Minimum RTI is 14 days.</li> <li>• The PHI is 14 days.</li> <li>• The REI is 1 day.</li> </ul>			
PECANS	Brown Spot ( <i>Cercospora</i> ) Downy Spot ( <i>Mycosphaerella</i> )	20 (0.70 lb. ai/A)	---	Begin applications when first leaves are showing and repeat at 3- to 4-week intervals until shuck split. <b>DO NOT</b> spray after shuck

	Liver Spot ( <i>Gnomonia</i> ) Powdery Mildew ( <i>Microsphaera</i> ) Scab ( <i>Fusicladium</i> ) Stem end blight ( <i>Botryosphaeria</i> sp.) Zonate leaf spot ( <i>Cristulariella</i> sp.)			split.
<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 60 fl. oz/A (2.1 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz./A (0.70 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> apply more than 3 applications at 20 fl. oz./A or 0.70 lb. ai/A per year.</li> <li>• Follow resistance management guidelines under <b>DIRECTIONS FOR USE</b>.</li> <li>• Minimum RTI is 21 days.</li> <li>• The PHI is 1 days.</li> <li>• The REI is 3 days.</li> </ul>				
<b>CROP</b>	<b>DISEASES</b>	<b>FL OZ/ACRE/ APPLICATION</b>	<b>FL OZ/ 100 GAL</b>	<b>APPLICATION INSTRUCTIONS</b>
<b>PISTACHIOS</b>	Shoot blight ( <i>Botrytis</i> , <i>Botryosphaeria</i> )	30-40 (1.05–1.40 lb. ai/A)	---	Apply at bloom. Apply in a minimum of 100 gallons per acre by ground or 20 gallons per acre by air. For aerial application, fly over every row or center.
	<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 40 fl. oz/A (1.40 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 40 fl. oz./A (1.40 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> apply more than 1 application per year.</li> <li>• The PHI is 0 days.</li> <li>• The REI is 3 days.</li> </ul>			
<b>POTATOES</b>	White mold ( <i>Sclerotinia</i> sp.)	20-30 (0.70-1.05 lb. ai/A)	---	Make first application just prior to row closure to full bloom of the primary flower clusters, prior to petal drop, followed by a second application 14 days later, and at 14-day intervals if conditions for disease development are favorable. Thorough coverage of the flowers, stems and branches is essential for disease control. Apply prior to the development of disease for best results. May be tank mixed with other fungicides labeled for early and late blight control. Control Solutions, Inc. does not advise aerial application for control of this disease on this crop.
	<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 80 fl. oz/A (2.80 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 30 fl. oz./A (1.05 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> </ul>			

- **DO NOT** make more than 4 applications at 20 fl. oz./A or 0.70 lb. ai/A per year.
- Minimum RTI is 7 days.
- The PHI is 21 days.
- The REI is 2 days.

CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
SOYBEANS	Anthracnose ( <i>Colletotrichum</i> ) Brown Spot ( <i>Septoria</i> ) Frog-eye Leaf Spot ( <i>Cercospora</i> ) Stem and Pod Blight ( <i>Diaporthe</i> , <i>Phomopsis</i> ) Purple Seed Stain ( <i>Cercospora</i> )	10- 20 (0.35–0.70 lb. ai/A)	---	Apply from full bloom when pods are 1/8-1/4 inch in length. Make a second application 14 to 21 days later. <b>DO NOT</b> make the second application later than 14 days after pods average 1/4 inch in length or when beans form in the pod. Use the high rate under severe disease pressure.
		20 (0.70 lb. ai/A)		FOR SEED BEANS ONLY: For seed quality, make a single application at the high rate when beans form in the pod.
	White mold ( <i>Sclerotinia</i> )	15-20 (0.53–0.70 lb. ai/A)	----	Make one application at early bloom (R-1 to R-2 stage) followed by a second application 14 days later if conditions are favorable for continued disease pressure. Thorough coverage of the flowers, stems and branches is essential for disease control. Use a minimum of 5 gallons of water per acre by air.
	Aerial blight (suppression)	20 (0.70 lb. ai/A)	---	Make initial application when disease threatens (before visual symptoms appear) and repeat 14-21 days later if needed. Applications later than 14 days after pods average 1/4 inch in length are prohibited.
	<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 40 fl. oz/A (1.40 lb. ai/A) of <b>QUALI-PRO™ 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz./A (0.70 lb. ai/A) of this product in a single application.</li> <li>• <b>DO NOT</b> make more than 2 applications per year.</li> <li>• <b>DO NOT</b> graze or feed treated vines or hay to livestock.</li> <li>• Minimum RTI is 14 days.</li> <li>• The PHI is 21 days.</li> <li>• The REI is 1 day.</li> </ul>			

CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
<b>STONE FRUITS:</b> <b>Apricots</b>	Brown Rot Blossom Blight Fruit Brown Rot ( <i>Monilinia</i> )	20-30 (0.70-1.05 ai/A)  Use 30 in California (1.05 ai/A)	6.7-10 (0.24-0.35 lb.ai)	Apply at early bloom (red bud). Make a second application at full bloom. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final preharvest spray.
<b>Cherries:</b> <b>Sweet and Sour</b>	Brown Rot Blossom blight Fruit Brown Rot ( <i>Monilinia</i> )	20-30 (0.70-1.05 lb. ai/A)  Use 30 in California (1.05 ai/A)	6.7-10 (0.24-0.35 lb.ai)	Apply at early bloom (early popcorn). Make a second application at full bloom. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final preharvest spray.
	Cherry leaf spot ( <i>Coccomyces</i> )	22.5-30 (0.79-1.05 lb. ai/A)	7.5-10 (0.26-0.35 lb. ai)	Apply at petal fall or before, when leaves first unfold, and at first, second and third cover sprays at 10- to 14-day intervals and one spray 14 to 21 days after harvest.
	Powdery Mildew ( <i>Podosphaera</i> and <i>Sphaerotheca</i> )	20-30 (0.70-1.05 lb. ai/A)  Use 30 in California (1.05 lb. ai/A)  <b>PLUS</b> 22.5-30 (0.79-1.05 lb. ai/A)	6.7-10 (0.24-0.35 lb.ai)  <b>PLUS</b> 7.5-10 (0.26-0.35 lb.ai)	Apply at early bloom (early popcorn). Make a second application at full bloom. <b>PLUS</b> Apply at shuck fall and first cover.
<b>Nectarines</b>	Brown Rot Blossom Blight Fruit Brown Rot ( <i>Monilinia</i> )	20-30 (0.70-1.05 lb. ai/A)  Use 30 in California (1.05 lb. ai/A)	6.7-10 (0.24-0.35 lb.ai)	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final pre-harvest sprays.
<b>Peaches</b>	Brown Rot Blossom Blight Fruit Brown Rot ( <i>Monilinia</i> )	20-30 (0.70-1.05 lb. ai/A)  Use 30 in California (1.05 lb. ai/A)	6.7-10 (0.24-0.35 lb.ai)	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final preharvest sprays.

CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
<b>Peaches</b> <i>(continued)</i>	Peach Scab <i>(Cladosporium)</i>	20-30 (0.70-1.05 lb. ai/A)  Use 30 in California <b>PLUS</b> 22.5-30 (0.70-1.05 lb. ai/A)	6.7-10 (0.24-0.35 lb.ai)  <b>PLUS</b> 7.5 -10 (0.24-0.35 lb.ai)	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development. <b>PLUS</b> Apply at shuck split and at first cover spray.
<b>Plums and Prunes</b>	Brown Rot Blossom Blight Fruit Brown Rot <i>(Monilinia)</i>	20-30 (0.70-1.05 lb. ai/A)  Use 30 in California (1.05 lb. ai/A)	6.7-10 (0.24-0.35 lb.ai)	Apply at early bloom (green tip). Make a second application at full bloom. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final preharvest sprays.
	Black knot (Dibotryon)	20-30 (0.70-1.05 lb. ai/A)  Use 30 in California (1.05 lb. ai/A)	6.7-10 (0.24-0.35 lb.ai)	Apply at pre-bloom, petal fall, and at first, second, and third cover spray at 10- to-14-day intervals.
	Leaf spot (Coccomyces)	20-30 (0.70-1.05 lb. ai/A)  Use 30 in California (1.05 lb. ai/A)	6.7-10 (0.24-0.35 lb.ai)	Apply at petal fall, shuck, and at first, second, and third cover sprays at 10- to 14-day intervals and 1 spray 14 to 21 days after harvest.
<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 80 fl. oz./A (2.80 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 30 fl. oz./A (1.05 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> apply more than 4 applications at the low rate (20 fl. oz./A or 0.70 lb. ai/A) or 2 applications at the high rate (30 fl. oz./A or 1.05 lb. ai/A) per year.</li> <li>• Follow resistance management guidelines under <b>DIRECTIONS FOR USE</b>.</li> <li>• Minimum RTI is 10 days.</li> <li>• The PHI is 1 day.</li> <li>• The REI is 2 days.</li> </ul>				



CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
STRAWBER- RIES	Suppression only: Crown Rot* ( <i>Colletotrichum</i> spp.)	15-20 (0.53–0.70 lb. ai/A)	---	Begin applications after establishment of the transplants and continue through first bloom at 10- to 14-day intervals. Use the higher rate if the fields have a history of <i>Colletotrichum</i> crown rot and/or conditions are favorable for development of the disease. Will not control <i>Phytophthora</i> species.
	Fruit rot ( <i>Botrytis</i> ) Leaf blight ( <i>Dendrophoma</i> ) Leaf scorch ( <i>Diplocarpon</i> ) Powdery mildew ( <i>Sphaerotheca</i> )	15-20 (0.53-0.70 lb. ai/A)	---	Begin applications at early bloom and continue at 7- to 10-day intervals. Use higher rate under conditions of severe disease pressure.
	<b>Restrictions</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 80 fl. oz./A (2.80 lb. ai/A) of <b>QUALI-PRO™ 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz./A (0.70 lb. ai/A) of <b>QUALI-PRO™ 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> make more than 4 applications at 20 fl. oz./A or 0.70 lb. ai/A per year.</li> <li>• Follow resistance management guidelines under <b>DIRECTIONS FOR USE</b>.</li> <li>• Minimum RTI is 7 days.</li> <li>• The PHI is 1 day.</li> <li>• The REI is 1 day.</li> </ul> *Not registered for this use in California.			

CROP	DISEASES	FL OZ/ACRE/ APPLICATION	FL OZ/ 100 GAL	APPLICATION INSTRUCTIONS
SUGARBEET	Cercospora leaf spot ( <i>Cercospora</i> )	10-20 (0.35-0.70 lb. ai/A)  Use 10 in California (0.35 lb. ai/A)	---	Apply when conditions become favorable for disease development before the disease appears and follow with a non-benzimidazole fungicide within 14 days of application or as needed. Tank mix <b>QUALI-PRO™ 4.5</b> with a protectant fungicide, for example, mancozeb or triphenyltin hydroxide when resistant strains of <i>Cercospora</i> are present in the field. For areas east of the Rocky Mountains: <b>DO NOT</b> make more than one application of <b>QUALI-PRO™ 4.5</b> per year for Cercospora Leaf Spot.
	Powdery mildew ( <i>Erysiphe</i> sp.)	10-20 (0.35-0.70 lb. ai/A)  Use 10 in California	---	Apply as soon as disease symptoms appear and follow with a non-benzimidazole fungicide at a 14-day interval or as needed. <b>QUALI-PRO™ 4.5</b> can be tank mixed with sulfur products for

		(0.35 lb. ai/A)		additional disease control and resistance management.
	<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 60 fl. oz/A (2.1 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz/A (0.70 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> apply more than 10 fl. oz./A (0.35 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application in CA.</li> <li>• <b>DO NOT</b> apply more than 6 applications at the lowest rate (10 fl. oz./A or 0.35 lb. ai/A) or 3 at the highest rate (20 fl. oz. or 0.70 lb. ai/A) per year. Follow resistance management guidelines under <b>DIRECTIONS FOR USE</b>.</li> <li>• Minimum RTI is 14 days.</li> <li>• The PHI is 21 days.</li> <li>• The REI is 1 day.</li> </ul>			
<b>TRITICALE AND FALL SEEDED WHEAT</b> Idaho, Oregon, and Washington only	Foot Rot Strawbreaker Eye Spot ( <i>Pseudocercospora</i> sp.)	20 (0.70 lb. ai/A)	---	Apply <b>QUALI-PRO TM 4.5</b> at the rate indicated in a single application by air or ground after wheat is tillered but before stem elongation has begun. Use sufficient water to obtain thorough coverage.
	<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 20 fl. oz/A (0.70 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz./A (0.70 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> make more than one application per year.</li> <li>• <b>DO NOT</b> cut for hay within 90 days of application.</li> <li>• <b>DO NOT</b> allow livestock to graze in treated areas before harvest.</li> <li>• The PHI is 90 days.</li> <li>• The REI is 1 day.</li> </ul>			

**FOR USE ON CONIFERS  
(Not for use in California)**

CROP	DISEASES	MAXIMUM APPLICABLE RATE PER ACRE	RATE, MINIMUM GALLONAGE	APPLICATION INSTRUCTIONS
<b>CONIFERS</b> <b>Pine</b> Austrian Red Scots Christmas Trees	Tip blight ( <i>Diplodia</i> )	20 fl. oz/A (0.70 lb. ai/A)	20 fl. oz (0.70 lb. ai/A) product per acre applied in spray solution at a rate of 100 gallons of spray per acre	Apply at bud break. Repeat 28 days later, just before needles emerge from sheath; repeat again 28 days after needle emergence.
<b>Fir</b> Douglas	Swiss needle cast ( <i>Phaenocarpa</i> ) Rhabdocline needle cast	20 fl. oz/A (0.70 lb. ai/A)	20 fl. oz (0.70 lb. ai/A) product per acre applied in spray solution at a rate of 50 gallons of spray per acre	Apply initially in early May. Repeat at 28-day intervals.
<b>Restrictions</b> <b>Pine:</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 60 fl. oz/A (2.1 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz./A (0.70 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> apply more than 3 applications per year at 20 fl. oz/A or 0.70 lb. ai/A per year.</li> <li>• <b>DO NOT</b> graze livestock in treated areas.</li> <li>• Minimum RTI is 10 days.</li> <li>• The REI is 12 hours.</li> </ul> <b>Fir:</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 100 fl. oz/A (3.52 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> per year.</li> <li>• <b>DO NOT</b> apply more than 20 fl. oz./A (0.70 lb. ai/A) of <b>QUALI-PRO TM 4.5</b> in a single application.</li> <li>• <b>DO NOT</b> apply more than 5 applications at 20 fl. oz./A or 0.70 lb. ai/A per year.</li> <li>• <b>DO NOT</b> graze livestock in treated areas.</li> <li>• Minimum RTI is 28 days.</li> <li>• The REI is 12 hours.</li> </ul>				
<b>CONIFERS</b> (Seedling treatment) <b>Longleaf</b>	Brown needle blight ( <i>Scirrhia</i> )	---	1.25 fl. oz per (0.044 lb. ai/A) 9.5 oz of dry kaolinite clay for seedling roots	Wet seedling roots in clean water, then apply <b>QUALI-PRO TM 4.5</b> / kaolinite mixture to wet roots.
<b>Loblolly Longleaf Slash</b>	Fusarium and Rhizoctonia root rot	---	2.5 fl. oz (0.088 lb. ai/A) / 50 oz kaolinite clay, plus enough	Thoroughly cover seedling roots with <b>QUALI-PRO TM 4.5</b> / kaolinite slurry.

			water to make a slurry	
<b>Restrictions</b>				
<ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply mixture to seedling foliage.</li> <li>• <b>DO NOT</b> apply more than 1.25 fl. oz. (0.044 lb. ai) to 9.5 oz. of dry Kanolinite clay in a single application to Longleaf Pines.</li> <li>• <b>DO NOT</b> apply more than 2.5 fl. oz. (0.088 lb. ai) to 50 oz. of dry Kanolinite clay in a single application to Loblolly, Longleaf and Slash Pines.</li> <li>• Minimum RTI is 28 days.</li> <li>• During treatment, avoid excessive drying of roots or exposure to temperatures greater than 90° or less than 32°F.</li> <li>• <b>QUALI-PRO TM 4.5 DOES NOT</b> control <i>Pythium</i> or <i>Phytophthora</i>.</li> <li>• The REI is 12 hours.</li> </ul>				

**HORTICULTURAL APPLICATIONS  
GREENHOUSE, NURSERY, AND LANDSCAPE  
REI-12 hours**

**QUALI-PRO TM 4.5** provides broad-spectrum control of many foliar, stem, and below-ground diseases on a wide range of horticultural plants grown or maintained under a variety of conditions. Apply **QUALI-PRO TM 4.5** 14 to 21 days prior to when a particular disease usually appears and at the very latest, upon first sign of disease. Use 7- to 14-day spray intervals with 14 days being for preventive treatments and the 7-day interval for times when conditions are conducive to disease development. Add an acceptable wetting agent to the spray tank to increase product efficacy for hard-to-wet foliage. Use a spreader-sticker when excessive and repeated foliar wetting occurs. Use **QUALI-PRO TM 4.5** to control listed diseases on non-commercial fruit and nut trees. **DO NOT** use fruit or nuts from trees treated with this product as food. **DO NOT** apply this product to home orchards or backyard fruit trees after fruit set.

**Note: QUALI-PRO TM 4.5** has been determined to be safe for use on the plant types listed in these directions for use based on cumulative data derived from research trials and historical field use. As all species and cultivars have not been tested, perform trial applications if a user wishes to make an application to a plant type not listed on the label but found on a similar use site and for disease that is listed on the label. To conduct a trial application, apply at least two applications to at least 25 trial plants at the highest concentration, 7 days apart. Evaluate 7 days after the last application before initiating full-scale application. **DO NOT** use this product on the following plants: Swedish Ivy (*Nephrolepis exaltata*), Boston Fern (*Plectranthus australis*), and Easter Cactus (*Hatiora gaertneri*).

<b>PLANT TYPE</b>	<b>INCLUDING BUT NOT LIMITED TO:</b>
Herbaceous Bedding	Ageratum, Begonia, Canna, Coleus, Dahlia, Dusty Miller, Foxglove, Fuchsia, Geranium, Impatiens, Lavender, Marigold, Pansy, Petunia, Pinks, Primrose, Salvia, Statice, Strawflower, Tickseed, Verbena
Flowering	Chrysanthemum, Hydrangea, Hollyhock, Iris, Lily, Poinsettia
Tropical Foliage	Dieffenbachia, Dracaena, English Ivy, Philodendron, Pothos
Woody Ornamentals	Azalea, Hibiscus, Holly, Ligustrum, Rhododendrum, Rose, Pyracantha
Evergreen Trees	Douglas Fir, Fir, Larch, Pine, Spruce
Deciduous Trees*	Ash, London Plane, Maple, Oak, Sycamore, Walnut
Flowering Trees*	Cherry, Crabapple, Hawthorn, Mountain Ash, Pear

\***DO NOT** use fruit or nuts from treated trees as food or feed.

**FOLIAR SPRAY  
PLANT TYPES AND DISEASES CONTROLLED**

<b>DISEASE(S)</b>	<b>PLANT TYPES</b>
Anthracnose	Woody ornamentals, shade trees <sup>1</sup>
Ascochyta Blight	Herbaceous ornamentals
Black spot	Roses
Botrytris (Gray Mold)	Woody and herbaceous ornamentals
Brown Rot	Woody and herbaceous ornamentals
Colletotrichum	Woody and herbaceous ornamentals
Cercospora Leaf Spot	Woody and herbaceous ornamentals
Corynespora Leaf Spot	Ligustrum
Didymellina Leaf Spot	Iris
Diplodia Tip Blight (Diplodia pinea)	Shade and ornamental trees
Ovulinia	Azalea, rhododendron <sup>2</sup>
Entomosporium Leaf Spot	Woody and herbaceous ornamentals
Fusicaladium Leaf Scab	Woody and herbaceous ornamentals
Phomopsis Blight	Woody and herbaceous ornamentals
Pine Tip Blights	Woody ornamentals
Powdery Mildew	Woody and herbaceous ornamentals, ornamental nut and fruit trees
Rust Diseases	Ornamental nut and fruit trees
Ramularia Leaf Spot	Herbaceous ornamentals
Scab	Pyracantha, flowering crab, ornamental fruit and nut trees
Septoria Leaf Spot	Woody and herbaceous ornamentals
Venturia Leaf Scab	Woody and herbaceous ornamentals

<sup>1</sup> Begin at bud and make 2 or 3 additional applications at 10- to 14-day intervals.

<sup>2</sup> Begin treatment as flowers open. Addition of a spray surfactant to the spray mixture improves distribution of the spray on hard-to-wet plants, for example, roses.

**FOLIAR SPRAY APPLICATIONS**

**APPLICATION RESTRICTIONS**

**Maximum Single Application Rates:**

**Ornamentals: DO NOT** exceed the maximum single application rate of 85.3 oz **QUALI-PRO TM 4.5** per acre (3.00 lbs. thiophanate-methyl active ingredient per acre).

**Cut Flowers: DO NOT** exceed the maximum single application rate of 14.2 oz **QUALI-PRO TM 4.5** per acre (0.50 lb. thiophanate-methyl active ingredient per acre).

**Annual Maximum Application:**

**All Ornamentals: DO NOT** apply more than 66.6 gallons **QUALI-PRO TM 4.5** (300 lbs. thiophanate methyl active ingredient per acre per year).

The REI is 12 hours.

**Hydraulic Application Mixing Instructions**

Add the required amount of **QUALI-PRO TM 4.5** to a partially filled spray tank agitated by mechanical or hydraulic means and then add the remaining volume of water. Maintain continuous agitation to keep the material in suspension and apply with properly calibrated spray equipment.

**Application Concentrations (Mechanical or Hand-Held):**

Use the labeled amount of **QUALI-PRO TM 4.5** per 100 gallons of water for the prevention and control of the diseases shown below.

**FOLIAR DISEASES**

<b>DISEASE(S) CONTROLLED</b>	<b>CONCENTRATION OF QUALI-PRO TM 4.5 FL OZ/100 GALS</b>	<b>APPLICATION INSTRUCTIONS</b>
Anthracnose ( <i>Colletotrichum</i> )	10.75-20 (0.38-0.70 lb. ai)	Apply as buds break or at first sign of disease. Repeat application at 7- to 14-day intervals as needed during disease period.
Black Spot of Rose ( <i>Diplocarpon rosae</i> )	10.75-20 (0.38-0.70 lb. ai)	Apply early summer or at first sign of disease. Repeat application every 7 to 14 days as needed during disease period.
Brown Rot and Blight ( <i>Monlinia</i> , <i>Sclerotina</i> , <i>Whetzellinia</i> )	10.75-20 (0.38-0.70 lb. ai)	Apply late spring or at first sign of disease. Repeat application every 7 to 14 days as needed during the disease period.
Fusicladium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.	10.75-20 (0.38-0.70 lb. ai)	Apply as buds break. Repeat application every 7 to 14 days during disease period. Effective control requires coverage during expansion. Rotations with chlorothalonil or propiconazole can be utilized.
Leaf Spots and Blights caused by: <i>Ascochyta</i> , <i>Blumeriella</i> , <i>Botrytis</i> , <i>Cercospora</i> , <i>Coccomyces</i> , <i>Corynespora</i> , <i>Curvularia</i> , <i>Didymellina</i> , <i>Entomosporium</i> , <i>Fabraea</i> , <i>Fusarium</i> , <i>Ramularia</i> , <i>Rhizoctonia</i> , <i>Marssoninia</i> , <i>Mycosphaerella</i> , <i>Myrothecium</i> , <i>Phoma</i> , <i>Physalasporea</i> , <i>Schizothyrium</i> , <i>Septoria</i> , <i>Sphaceloma</i>	10.75-20 (0.38-0.70 lb. ai)  10-14.5; California Only (0.35-0.51 lb. ai CA Only)	Make applications when disease symptoms first appear. Repeat every 7 to 14 days during disease period. Rotations with chlorothalonil can be used.
Ovulinia Blight	7.25-20 (0.25-0.70 lb. ai)	Apply as flowers open. Repeat every 7 to 14 days during disease period.
Powdery Mildews <i>Erysiphe</i> , <i>Microsphaera</i> , <i>Phyllactinia</i> , <i>Podosphaera</i> , <i>Oidium</i> , <i>Sphaerotheca</i>	10-20 (0.35-0.70 lb. ai/A)	Apply when disease first appears and repeat application every 7 to 14 days. Rotations with other effective products can be used.
Rust Diseases caused by: <i>Puccinia</i> , <i>Gymnosporangium</i> , <i>Uromyces</i>	10.75-20 (0.38-0.70 lb. ai)	Apply late spring or when symptoms first appear. Repeat applications every 7 to 14 days during disease period. Rotations with other effective products can be used.
Tip Blight of Pine <i>Sphaeropsis sapinea</i> , <i>Diplodia pinea</i>	14.5-20 (0.51-0.70 lb. ai)	Begin applications in the spring when new growth starts. Make a second application just prior to needle emergence from the sheath and a third application 7 days later. Ensure thorough coverage.
Twig Blights, Cankers, and Diebacks <i>Diaporthe</i> , <i>Kabatina</i> , <i>Phoma</i> , <i>Phomopsis</i>	14.5-20 (0.51-0.70 lb. ai)	Apply when symptoms first appear. Repeat applications every 7 to 14 days during disease period.

**Adjuvants:** Where rainfall and/or overhead irrigation is the norm, use of a compatible spreader/sticker is suggested. Where wetting of foliage is difficult, use a compatible wetting agent. Follow the phytotoxicity precautions described in the **HORTICULTURAL APPLICATIONS** section of this label.

**SOIL DRENCH APPLICATIONS**

**Mixing Instructions:** Add required amount of **QUALI-PRO TM 4.5** to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation throughout application to keep the material in suspension.

**Application Concentrations/Rates and Timing for Disease Control:** Create a drench solution by mixing 7.5 to 20 fl. oz (0.26-0.70 lb. ai) of Thiophanate Methyl 4.5F per 100 gallons of water. Apply as a drench or heavy spray at the rate of 0.5 to 2 pints (0.04-0.14 lb. ai/) per square foot (100 gallons per 400 to 1600 square feet). For small pots and shallow flats up to 4 inches in size, apply at 1 pint per square foot. For containers and pots 4 inches or larger, refer to the following table for the volume to apply. Make repeat applications at 4- to 8- week intervals depending on disease presence and conditions for disease development.

Container Type	Drench Solution Volume to Apply/Container	
	1 pt/ ft <sup>2</sup> Rate	2 pt/ft <sup>2</sup> Rate
4 inch	2 fl. oz (0.070 lb. ai/ft <sup>2</sup> )	---
5 inch	2.5 fl. oz (0.088 lb. ai/ft <sup>2</sup> )	---
6 inch	---	6.5 fl. oz (0.23 lb. ai/ft <sup>2</sup> )
7 inch	---	8.5 fl. oz (0.30 lb. ai/ft <sup>2</sup> )
8 inch	---	11 fl. oz (0.39 lb. ai/ft <sup>2</sup> )
9 inch	---	14 fl. oz (0.49 lb. ai/ft <sup>2</sup> )
10 inch	---	17.5 fl. oz (0.62 lb. ai/ft <sup>2</sup> )

For containers larger than 10 inches, a drench volume of 2½ to 3 pints per square foot of surface area is required.

**Plant Types:** Containerized woody shrubs, trees, herbaceous/bedding, flowering, and tropical foliage plants and flowers and bedding plants in the landscape.

**Note: DO NOT** apply this product to plug trays or seedling flats at time of seeding.

**Soil Diseases Controlled:** *Botrytis, Cyndrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, and Thielaviopsis.*

**Note:** *Pythium, Phytophthora* and *Cylindrocladium spathiphylli* are not controlled by Thiophanate Methyl 4.5 F.

**PLANT DIP TREATMENT**

**Mixing Instructions:** Mix as described in the **FOLIAR DISEASES** and **SOIL DRENCH APPLICATIONS** sections of this label. Maintain continuous agitation during application.

**Application Concentration and Dipping Time**

**Plants or Cuttings:** Use 14.5 to 20 fl. oz (0.51-0.70 lb. ai) of **QUALI-PRO TM 4.5** per 100 gallons of water. Immerse plants or cuttings for 10 to 15 minutes, remove, and allow to drain and dry. Note that the **PERSONAL PROTECTIVE EQUIPMENT** section of this label included protective clothing for dip treatment.

**Bulbs, Corms, Tubers, and Rhizomes:** Use 14.5 to 20 fl. oz (0.51-0.70 lb. ai) of Thiophanate Methyl 4.5F per 100 gallons of water or two teaspoons of **QUALI-PRO TM 4.5** per gallon of water. Soak cleaned bulbs for 15 to 30 minutes in warm dip (80-85° F) within 48 hours of digging. Dry bulbs after treatment. If bulbs are for forcing, treat bulbs that have been heat cured.

**Plant Types:** Plants, cuttings, cane sections of woody herbaceous, flowering and tropical foliage plants. Bulbs, corms, tubers, and rhizomes of plants including, but not limited to Caladium, Easter Lily, Tulip, Gladiolus, Daffodil, Iris.

**Diseases Controlled:** *Botrytis, Cyndrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, and Thielaviopsis.*

## TURF APPLICATIONS

Use **QUALI-PRO TM 4.5** against certain foliar and soil diseases for use on all turf types including, golf course greens, tees and fairways, athletic fields, cemeteries, parks, and commercial and home lawns. Use **QUALI-PRO TM 4.5** both preventatively and curatively; it is not phytotoxic on turfgrass. **DO NOT** use **QUALI-PRO TM 4.5** on turf being grown for sale or other commercial uses, for example, sod.

For use only by certified applicators and those under their direct supervision. **DO NOT** apply with fixed wing or rotary aircraft.

**Mixing Instructions:** Add the required amount of **QUALI-PRO TM 4.5** to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation to keep the material in suspension. For best results, use spray mixture the same day it is prepared.

**Turf Types:** All cool season and warm season grasses (including, but not limited to Bentgrasses, Bermudagrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustinegrasses and Zoysiagrasses) or their mixtures.

DISEASE(S) CONTROLLED	RATE OF QUALI-PRO TM 4.5 FL OZ/1000 SQ FT *	APPLICATION INSTRUCTIONS
Anthracnose ( <i>Colletotrichum graminicola</i> )	1.75-3.5 (0.062-0.12 lb. ai)  (3.5-5.3)** (0.12-0.19 lb. ai)	Apply when disease first appears. Make additional applications at 14-day intervals as needed. Allow spray to dry on leaves with no watering in.
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> ) Copper Spot ( <i>Gloeocercospora sorghi</i> ) Brown Patch and Zoysia Patch ( <i>Rhizoctonia solani</i> ) Red Thread ( <i>Laetisaria fuciformis</i> )	1.75-3.5 (0.062-0.12 lb. ai)	Apply when disease first appears. Make additional applications at 14-day intervals as needed. Allow spray to dry on leaves with no watering in.
Pink Snow Mold ( <i>Microdochium nivale</i> ) (Only for those areas where snow cover is not present the entire winter)	1.75-3.5 (0.062-0.12 lb. ai)	Apply <b>QUALI-PRO TM 4.5</b> in middle to late November before turf has stopped all growth activity. Lightly water application into the root zone for best results. For best results, use a spreader-sticker. Let second spray dry on leaf surfaces with no watering-in. Minimum spray interval is 14 days.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	3.5-5.3 (0.12-0.19 lb. ai)	Apply when conditions are favorable for disease development. Continue at 14-day intervals. Let spray dry on leaves with no watering in.
Summer Patch ( <i>Magnaporthe poae</i> )	3.5-5.3 (0.12-0.19 lb. ai)	For preventative treatment, make 3 applications at 21-day intervals beginning in early May. Water product into the root zone thoroughly after application. For suppression, apply two applications at 14-day intervals, beginning applications when the disease first appears.
Fusarium Blight ( <i>Fusarium roseum</i> ) Necrotic Ring Spot and Spring Dead Spot ( <i>Leptosphaeria korrae</i> )	3.5-5.3 (0.12-0.19 lb. ai)	Make two applications at 14-day intervals beginning applications when the disease first appears.
Stripe Smut ( <i>Ustilago striiformis</i> )	3.5-5.3	Make two applications at 14-day



	(0.12-0.19 lb. ai)	intervals when disease first appears. Water into root zone after application. For prevention, apply in the spring (just before grass begins growth) and in the fall.
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\*Refer to the use sites and maximum application rates table to determine allowable rates for each application.

\*\*Use the 3.5 - 5.3 fl. oz (0.12-0.19 lb. ai) rate for curative response to Basal Stem Anthracnose.

**Turf Application Directions**

Apply **QUALI-PRO TM 4.5** uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing for 12 hours after application. Apply sufficient water to obtain thorough coverage; usually 1½ to 2½ gallons per 1000 sq. ft of turf area. When treating golf course greens, always treat aprons and approaches to golf greens.

**Restrictions**

- Intended for Professional Use

**Maximum Individual Application Rates and Minimum Retreatment Intervals**

USE SITE	MAXIMUM SINGLE APPLICATION RATE of TM 4.5	Maximum Annual Total of TM 4.5	Minimum Retreatment Interval	State Specific Restrictions
Residential or Public Areas,	1.75 fl. oz (0.061lb. ai)/1,000 ft <sup>2</sup> .	7 fl. oz.(0.245 lb. ai) /1000 ft <sup>2</sup> .	14 days	
Golf Course Tees, Greens, Aprons	5.30 fl. oz.(0.186 lb. ai)/1,000 ft <sup>2</sup> .	14.25 fl. oz.(0.499 lb. ai)/1000 ft <sup>2</sup> .	14 days	
Golf Course Fairways – except Florida	3.5 fl. oz.(0.12 lb. ai)/1,000 ft <sup>2</sup> .	3.5 fl. oz.(0.12 lb. ai)/1000 ft <sup>2</sup> .	14 days	Excludes Florida
Golf Course Fairways – Florida Only	1.75 fl. oz.(0.061 lb. ai)/1,000 ft <sup>2</sup>	1.75 fl. oz.(0.061 lb. ai)/1000 ft <sup>2</sup> .	14 days	Florida Only

**Note to User: DO NOT** graze animals on treated turf. **DO NOT** feed clippings to livestock or poultry.

**STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food, or feed by storage or disposal or cleaning of equipment.

**PESTICIDE STORAGE:** Store in original container in 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 used 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 (five gallons or less):** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. 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. If recycling is

not available, puncture or 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.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. 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. If recycling is not available, puncture or 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.

**Refillable Container:** Refillable container. Refill this container with thiophanate methyl 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 this 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 procedure two more times. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### **LIMITATION OF WARRANTY AND LIABILITY**

Read the entire directions for use, conditions 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.**

**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 Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Control Solutions, Inc. makes no other 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 Control Solutions, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Control Solutions, Inc. 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 Control Solutions, Inc.'s election, the replacement of product.