



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 6, 2024

Lisa Adamson  
Regulatory Manager  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

Subject: Label Amendment – To specify professional and collegiate fields  
Product Name: Quali-Pro® Chlorothalonil 720 SFT  
EPA Registration Number: 53883-310  
Application Date: March 7, 2023  
Case Number: 472125

Dear Lisa Adamson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 FIFRA 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) lists 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

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claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Elisha Graham at [graham.elisha@epa.gov](mailto:graham.elisha@epa.gov).



Nathan Mellor  
Fungicide Branch  
Registration Division (7505T)  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

03/06/2024

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 53883-310

CHLOROTHALONIL GROUP M5 FUNGICIDE

# Quali-Pro® Chlorothalonil 720 SFT

Fungicide

For control of turf diseases: sod farms; turf on golf courses, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.

<b>ACTIVE INGREDIENT:</b>	<b>% BY WT.</b>
Chlorothalonil (tetrachloroisophthalonitrile) .....	54.0%
<b>OTHER INGREDIENTS:</b> .....	46.0%
	<b>TOTAL: 100.0%</b>

Contains 6.0 Pounds of Active Ingredient per Gallon (720 Grams per Liter)

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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).

**Manufactured for:**  
Control Solutions Inc.  
5903 Genoa-Red Bluff Rd.  
Pasadena, Texas 77507-1041

EPA Reg. No. 53883-310

EPA Est. No. XXXXXXXXXX

**Net Contents: \_\_\_\_\_ Gallons**

### FIRST AID

<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

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® International for emergency medical treatment at (866) 897-8050.

**NOTE TO PHYSICIAN:** Persons having temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Causes eye irritation. May cause skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get into eyes, on skin, or on clothing. Avoid prolonged contact with skin. Avoid breathing spray mist. Do not take internally.

**Note to User:** This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation, and redness or rash on exposed skin areas. Persons having allergic reactions should contact a physician.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

For WPS or non-WPS applications made in enclosed areas such as greenhouses, applicators and other handlers must wear a minimum of a NIOSH-approved particulate filtering facepiece with any N,R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter, OR a NIOSH-approved powered air-purifying respirator with a HE filter.

#### **WPS Uses (such as commercial production in nurseries, on sod farms, and in greenhouses)**

##### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made out of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride ≥14 mils, or viton ≥14 mils
- Shoes plus socks
- Protective eyewear such as goggles, safety glasses, or face shield

#### **Non-WPS Uses (such as applications to non-residential turf, golf courses, etc.)**

##### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made out of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride ≥14 mils, or viton ≥14 mils
- Shoes plus socks
- Protective eyewear
- A dust/mist filtering respirator if the mixer/loader/applicator uses a high-pressure hand-wand sprayer

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

### **ENGINEERING CONTROLS STATEMENT**

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

### **USER SAFETY RECOMMENDATIONS**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### **ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates and wildlife. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

This chemical is known to leach through soil into groundwater under certain conditions as a result of labeled use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface waters for several days to weeks after application. These include poorly draining

or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers, other persons, or pets, 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 (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval REI of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves such as nitrile rubber, natural rubber, or butyl rubber
- Shoes plus socks
- Protective eyewear such as goggles, safety glasses, or face shield

**Special Eye Irritation Provisions:** This product is a severe eye irritant. Although the restricted-entry interval expires after 12 hours, for the next 6.5 days, entry is permitted only when the following safety measures are provided:

- (1) At least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required decontamination site intended for workers entering the treated area.
- (2) Workers must be informed, in a manner they can understand:
  - that residues in the treated area may be highly irritating to their eyes,
  - that they should take precautions, such as refraining from rubbing their eyes, to keep residues out of their eyes,
  - that if they do get residues in their eyes, they should immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water, and
  - how to operate the eyeflush container.

#### **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 for agricultural pesticides, 40 CFR Part 170.

The WPS applies when the product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

#### **APPLICATION INSTRUCTIONS**

Quali-Pro Chlorothalonil 720 SFT is a flowable product containing chlorothalonil to be used as a spray for the control of many important plant diseases.

#### **RESISTANCE MANAGEMENT**

For resistance management, Quali-Pro Chlorothalonil 720 SFT contains a Group M5 fungicide. Any fungal population may contain individuals naturally resistant to Quali-Pro Chlorothalonil 720 SFT and other Group M5 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.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of Quali-Pro Chlorothalonil 720 SFT or other Group M5 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 equally 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.
- For further information or to report suspected resistance contact your local Control Solutions, Inc. distributor or regional sales representative. You can also contact your university extension specialist to report resistance.

### PRODUCT INFORMATION

**ONLY FOR USE ON:** sod farms; turf on golf courses, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.

Quali-Pro Chlorothalonil 720 SFT can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control.

When tank mixing this product, observe the most restrictive label precautions and restrictions of the tank mix partners. Do not combine Quali-Pro Chlorothalonil 720 SFT in a spray tank with pesticides, surfactants, or fertilizers unless prior use has shown the combination to be physically compatible, effective, and noninjurious under your conditions of use. Do not combine Quali-Pro Chlorothalonil 720 SFT with *Bacillus thuringiensis* containing products, as phytotoxicity may result from the combination when applied to crops listed on this label. All tank mixes should be pre-tested to determine physical compatibility between formulations. Follow the most restrictive precautions and limitations on the labeling of all products used in mixtures. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Prior to pouring, slowly invert container several times to assure a uniform mixture. Measure the required amount of Quali-Pro Chlorothalonil 720 SFT and add it slowly to the spray tank during filling. Keep agitator running when filling spray tank and during spray operations.

Dosage rates on this label indicate pints of Quali-Pro Chlorothalonil 720 SFT per acre, unless specified otherwise. Under conditions favoring disease development, the high rate specified and shortest application interval needs to be used.

**For Agricultural Use Sites Only (such as sod farms, nurseries, and greenhouses):** Do not apply this product within 150 feet for aerial and air-blast applications or 25 feet for ground applications of marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

### USE RESTRICTIONS

- **ONLY FOR USE ON:** sod farms; turf on golf courses, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.
- Do not use on greenhouse-grown crops except as directed in the **ORNAMENTAL PLANTS** section of this label.
- **Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle, and high schools), campgrounds, churches, and theme parks.**

**Golf Course Fairways, Lawns around Commercial and Industrial Buildings and Professional and Collegiate Athletic Fields:**

- **DO NOT** apply more than 34.6 pints/acre (12.7 fl oz/1000 sq. ft.) of this product per year (26 lb a.i./acre/year).
- The minimum re-treatment interval for single application rates up to 9.7 pints/acre (3.6 fl oz/1000 sq. ft.) of this product (7.275 lb a.i./acre) is 7 days.
- **DO NOT** apply more than one application of a rate greater than 9.7 pints/acre (3.6 fl oz/1000 sq. ft.) of the product (7.275 lb a.i./acre) per year.
- The maximum single application rate is 15 pints/acre (5.5 fl oz/1000 sq. ft.) of this product (11.3 lb a.i./acre).

**Golf Course Tees:**

- **DO NOT** apply more than 69.3 pints/acre (25.3 fl oz/1000 sq. ft.) of this product (52 lb a.i./acre) per year.
- The minimum re-treatment interval for single application rates up to 9.75 pints/acre (3.6 fl oz/1000 sq. ft.) of this product (7.3 lb a.i./acre) is 7 days.
- The minimum re-treatment interval for after an application of rates greater than 9.75 pints/acre (3.6 fl oz/1000 sq. ft.) of this product (7.3 lb a.i./acre) is 14 days.
- Do not apply more than two applications of a rate greater than 9.75 pints/acre (3.6 fl oz/1000 sq. ft.) of this product (7.3 lb a.i./acre) per year.
- The maximum single application rate is 15 pints/acre (5.5 fl oz/1000 sq. ft.) of this product (11.3 lb a.i./acre).

**Golf Course Greens:**

- **DO NOT** apply more than 97.3 pints/acre (35.7 fl oz/1000 sq. ft.) of this product (73 lb a.i./acre) per year.
- The minimum re-treatment interval for single application rates up to 9.75 pints/acre (3.6 fl oz/1000 sq. ft.) of this product (7.3 lb a.i./acre) is 7 days and the minimum re-treatment interval after an application of a rate greater than 9.75 pints/acre (3.6 fl oz/1000 sq. ft.) of this product (7.3 lb a.i./acre) is 14 days.
- Do not apply more than two applications of a rate greater than 9.75 pints/acre (3.6 fl oz/1000 sq. ft.) of this product (7.3 lb a.i./acre) per year.
- The maximum single application rate is 15.1 pints/acre (5.5 fl oz/1000 sq. ft.) of this product (11.3 lb a.i./acre).

**Sod Farms:**

- Do not use for sod farms at application rates greater than 13 pounds of active ingredient per acre per year.
- Do not apply more than 17 pints/acre (6.4 fl oz/1000 sq. ft.) of this product (13 lb a.i./acre) per year.
- The minimum re-treatment interval for single application rates up to 9.66 pints/acre (3.5 fl oz/1000 sq. ft.) of this product (7.245 lb a.i./acre) is 7 days.
- Do not apply more than one application of a rate greater than 9.66 pints/acre (3.5 fl oz/1000 sq. ft.) of this product (7.245 lb a.i./acre) per year.
- The maximum single application rate is 15 pints/acre (5.5 fl oz/1000 sq. ft.) of this product (11.3 lb a.i./acre).

## Mandatory Spray Drift Requirements

### Aerial Applications

- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented, so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

### Ground Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

### Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 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.

### Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

### Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.
- BOOM HEIGHT – Ground Boom
  - Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.



- **RELEASE HEIGHT – Aircraft**
  - Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

### **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 APPLICATIONS DURING GUSTY WIND CONDITIONS.**

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

### **Boom-less Ground Applications**

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### **Handheld Technology Applications**

Take precautions to minimize spray drift.

### **AIR-ASSISTED (AIR BLAST) FIELD CROP SPRAYERS:**

Air-assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring. **NOTE:** Air-assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration.

### **AIR-ASSISTED (AIR-BLAST) TREE AND VINE SPRAYERS:**

Air-assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream. In addition to the general drift management principles already described, the following specific practices will further reduce the potential for drift:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy.
- Block off upward pointed nozzles when there is no overhanging canopy.
- Use only enough air volume to penetrate the canopy and provide good coverage.
- Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

### **APPLICATION AND CALIBRATION TECHNIQUES FOR CHEMIGATION**

Apply this product only through center pivot, motorized lateral move, traveling gun, solid set, and portable (wheel move, side roll, end tow, or hand move) irrigations system(s). Do not apply this product through any other type of irrigation system. Use only on crops specifically designated in the **DIRECTIONS FOR USE**.

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, you should contact State 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.

**Specific Instructions for Public Water Systems:**

1. Public water system means a system for the provision to the public 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.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as 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.
7. Always inject Quali-Pro Chlorothalonil 720 SFT into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides on the intake line on the suction side of the pump.
8. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur.
9. Do not apply when wind speed favors drift beyond the area intended for treatment.

**Specific Instructions for Sprinkler Irrigation Systems:**

Quali-Pro Chlorothalonil 720 SFT may be used through two basic types of sprinkler irrigation systems as noted in Sections **A.** and **B.** below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

**A. Center Pivot, Motorized Lateral Move, and Traveling Gun Irrigation Equipment**

For injection of pesticides, these continuously moving systems must use a positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are compatible with pesticides, capable of being fitted with a system interlock, and capable of injection at pressures approximately two to three times those encountered within the irrigation water line. Venturi application units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered. Thoroughly mix labeled amount of Quali-Pro Chlorothalonil 720 SFT for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until Quali-Pro Chlorothalonil 720 SFT has been cleared from last sprinkler head.

**B. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment**

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a 30 to 45 minute period. Mix desired amount of Quali-Pro Chlorothalonil 720 SFT for acreage to be covered with water so that the total mixture of Quali-Pro Chlorothalonil 720 SFT plus water in the injection tank is equal to the quantity of water used during calibration, and operate entire system at normal pressures

recommended by the manufacturer of injection equipment used for amount of time established during calibration. Agitation is suggested. Quali-Pro Chlorothalonil 720 SFT can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until Quali-Pro Chlorothalonil 720 SFT has been cleared from last sprinkler head.

**CONIFERS: Pines, Spruces (Do not use in forestry applications.)**

DISEASES	QUALI-PRO CHLORO- THALONIL 720 SFT PINTS/ACRE (LB AII/A)	APPLICATION DIRECTIONS
Swiss Needlecast	2.75-5.5 (2.1-4.125)	Single-application technique: In Christmas tree plantations, make one application in the spring when new shoot growth is ½ to 2 inches in length.
Scleroderris Canker (Pines) Swiss Needlecast	1.5-2.75 (1.125-2.1)	Make the first application in spring when new shoot growth is ½ to 2 inches in length. Make additional applications at 3- to 4-week intervals until conditions no longer favor disease development. For use in nursery beds, apply the highest rate specified on a 3-week schedule.
Sirococcus Tip Blight	2.0-3.5 1.5-2.36)	
Rhizosphaera Needlecast (Spruces) Scirrhia Brown Spot (Pines)	5.5 (4.125)	
Cyclaneusma and Lophodermium Needlecasts (Pines)	2.75-5.5 (2.1-4.125)	
Rhabdocline Needlecast (Douglas fir)	1.5-2.75 (1.125-2.1)	Apply at budbreak and repeat at 3- to 4-week intervals until needles are fully elongated and conditions no longer favor disease development. In plantations of mixed provenance or when irregular budbreak occurs, apply weekly until all trees have broken bud; then every 3 to 4 weeks as specified above. In nursery beds, use the high rate on a 3-week schedule.
Botrytis Seedling Blight Phoma Twig Blight	1.5-2.75 (1.125-2.1)	Begin applications in nursery beds when seedlings are 4 inches tall and when cool, moist conditions favor disease development. Make additional applications at 7- to 14-day intervals as long as conditions favorable to disease development persist.
Autoecious Needle Rust (Weir's Cushion)(Spruces)	5.5 (4.125)	Begin applications when 10% of buds have broken and twice thereafter at 7- to 10-day intervals.
<p><b>USE RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>• Do not apply to forests.</li> <li>• For all uses: The minimum re-treatment interval for established trees is 21 days. The minimum re-treatment in nursery beds is 7 days. Apply by ground or air.</li> <li>• Do not use for conifers at application rates greater than 16.5 lbs a.i. per acre per year. Do not use for conifers at application rates greater than 4.17 lbs a.i. per acre for a single application</li> </ul>		

### GRASSES: SODFARMS

**Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle, and high schools), campgrounds, churches, and theme parks.**

Apply Quali-Pro Chlorothalonil 720 SFT in 30 to 40 gallons of water per acre, applying by ground or air. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist using the rates listed in the following table.

Under severe disease conditions, a single application of 15 pints per acre can be made with a 7-day retreatment interval. Subsequent applications must follow the rates and retreatment intervals outlined in the following table for the remainder of the year.

Do not mow or water after treatment until spray deposited on grass is thoroughly dry. Always use Quali-Pro Chlorothalonil 720 SFT in conjunction with good turf management practices.

Do not use for sodfarms at application rates greater than 13 lbs a.i. (17 pints of Quali-Pro Chlorothalonil 720 SFT) per acre per year.

Sodfarm turf treated with chlorothalonil prior to harvest must be mechanically cut, rolled, and harvested. Follow all provisions outlined in the Agricultural Use Requirements box.

DISEASES CONTROLLED <sup>a</sup>	LOW DISEASE PRESSURE TREATMENT REGIME		EXTREME DISEASE CONDITION		
	Retreatment Interval (Days)	Application Rate Pints/Acre (LB A/A)	Maximum Single Application Allowed in a Year (Pints/Acre)	Minimum Retreatment Interval for the Maximum Single Applications (Days)	Application Limit Per Year for Sodfarms (Pints/Acre)
Dollar spot	7 - 10	2.75 <sup>b</sup> – 5.5 (2.1-4.125)	15 (11.3 lb a.i./acre)	7	17 (13 lb a.i./acre)
	14 - 21	5.5 – 9.66 (4.125 – 7.245)			
Leaf Spot, Melting Out, Brown Blight	7 – 10	5.5 (4.125)			
	14 – 21	5.5 – 9.66 (4.125 – 7.245)			
Brown Patch	7 – 14	5.5 – 9.66 (4.125 – 7.245)			
Gray Leaf Spot	7 – 10	5.5 – 9.66 (4.125 – 7.245)			
Red Thread	7 – 10	5.5 – 9.66 (4.125 – 7.245)			
Anthracnose	7 – 14	8.12 – 9.66 (6.09 – 7.245)			

<sup>a</sup>Diseases are caused by some of the following fungi:

Dollar Spot: *Sclerotinia homeocarpa*, *Lanzia* or *Moellerodiscus* spp.

Leaf Spot, Melting Out, and Brown Blight: *Drechslera* spp., *Bipolaris* spp., *Curvularia* spp.

Brown Patch: *Rhizoctonia* spp.

Anthracnose: *Collectotrichum*

<sup>b</sup>Low rate is not effective on intensely mowed grasses.

### GRASSES: GOLF COURSE FAIRWAYS

For low disease pressure, follow the retreatment intervals and the application rates provided below, applying by ground. For an extreme disease condition, a single maximum application of 15 pints per acre with a minimum retreatment interval of 7 days can be made each year. After making the 15 pints per acre application, the low

disease regime must be followed for the remainder of the year. For Quali-Pro Chlorothalonil 720 SFT, no more than 34.6 pints (26 lbs. chlorothalonil) per acre may be applied per year on fairways. For reentry into treated areas, refer to the **NON-AGRICULTURAL USE REQUIREMENTS** box.

DISEASES CONTROLLED <sup>a</sup>	LOW DISEASE PRESSURE TREATMENT REGIME		EXTREME DISEASE CONDITION		
	Retreatment Interval (Days)	Application Rate Pints/Acre (LB A/I/A)	Maximum Single Application Allowed in a Year (Pints/Acre)	Minimum Retreatment Interval for the Maximum Single Applications (Days)	Application Limit Per Year for Fairways (Pints/Acre)
Dollar spot	7 - 10	2.75 <sup>b</sup> – 5.5 (2.1-4.125)	15 (11.3 lb a.i./acre)	7	34.6 (26 lb a.i./acre)
	14 - 21	5.5 – 9.7 (4.125 – 7.275)			
Leaf Spot, Melting Out, Brown Blight	7 – 10	5.5 (4.125)			
	14 – 21	5.5 – 9.7 (4.125 – 7.275)			
Brown Patch	7 – 14	5.5 – 9.7 (4.125 – 7.275)			
Gray Leaf Spot	7 – 10	5.5 – 9.7 (4.125 – 7.275)			
Red Thread	7 – 10	5.5 – 9.7 (4.125 – 7.275)			
Anthracnose	7 – 14	8.33 – 9.7 (6.25 – 7.275)			

<sup>a</sup>Diseases are caused by some of the following fungi:

Dollar Spot: *Sclerotinia homeocarpa*, *Lanzia* or *Moellerodiscus* spp.

Leaf Spot, Melting Out, and Brown Blight: *Drechslera* spp., *Bipolaris* spp., *Curvularia* spp.

Brown Patch: *Rhizoctonia* spp.

Anthracnose: *Collectotrichum*

<sup>b</sup>Low rate is not effective on intensely mowed grasses such as golf course tees and greens.

### GRASSES: GOLF COURSE TEES, GREENS, AND ORNAMENTAL TURF USES

**ONLY FOR USE ON:** sod farms; turf on golf courses, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.

**Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle, and high schools), campgrounds, churches, and theme parks.**

For low disease pressure, follow the retreatment intervals and the application rates provided below, applying by ground. For an extreme disease condition, a single maximum application of 15.0 pints per acre with a minimum retreatment interval of 7 days can be made. For Quali-Pro Chlorothalonil 720 SFT, maximum yearly application limits exist for fairways, greens, and other nonresidential ornamental turf. For reentry into treated areas, refer to the **NON-AGRICULTURAL USE REQUIREMENTS** box.

DISEASES CONTROLLED*	APPLICATION INTERVAL	APPLICATION RATE (FL. OZ./1000 SQ FT)		MAXIMUM APPLICATION RATE PER YEAR FOR ORNAMENTAL TURF, TEES AND GREENS (FL.OZ./1000 SQ FT)
		Low disease pressure regime	High disease pressure regime (single maximum application (fl.oz.) and retreatment interval (days))	
Dollar spot	7 – 14 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	12.5 fl. oz/1000 sq ft (26 lb a.i./acre) (ornamental turf)
Brown Patch	7 – 14 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	
Leaf spot, Melting Out	7 – 10 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	25.3 fl. oz/1000 sq ft (52 lb a.i./acre) (tees)
Gray Leaf Spot	7 – 10 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	
Red Thread	7 – 10 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	35.7 fl. oz/1000 sq ft (73 lb a.i./acre) (greens)
Anthracnose	7 – 14 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	
Copper Spot	7 – 10 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	
Stem Rust (Blue Grass)	7 – 14 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	
Dichondra: Leaf Spot (California Only)	7 – 14 days	2.12 – 3.5 (4.37 -7.245 lbs a.i./acre)	5.5 (14) (11.3 lb a.i./acre)	

\*Diseases are caused by some of the following fungi:

- Dollar Spot: *Sclerotinia homeocarpa*, *Lanzia* or *Moellerodiscus* spp.
- Brown Patch: *Rhizoctonia solani*, *R. zeae*, *R. cerealis*
- Leaf Spots, Melting-out, Brown Blight: *Drechslera* spp. (including *D. poae*, *D. siccans*), *Bipolaris sorokiniana*, *Curvularia* spp.
- Gray Leaf Spot: *Pyricularia grisea*, *P. oryzae*
- Red Thread: *Laetisaria fuciformis*
- Anthracnose: *Colletotrichum graminicola*
- Copper Spot: *Gloeocercospora sorghi*
- Stem Rust: *Puccinia graminis*
- Dichondra Leaf Spot: *Alternaria* spp.

**Gray Snow Mold caused by *Typhula* spp.:** Apply in sufficient water to obtain adequate spray coverage (2-10 gallons per 1000 square feet). Apply a single application of 5.5 fluid ounces of Quali-Pro Chlorothalonil 720 SFT per 1000 square feet of turf area (15 pints per acre). Subsequent applications of 3 ½ fluid ounces per 1000 sq. ft. must be made at 7 day intervals and before snow cover in autumn. If snow cover is intermittent or lacking during the winter, reapply at 3.5 fl. oz. per 1000 sq. ft. at monthly intervals until Gray Snow Mold conditions no longer prevail. In areas where Pink Snow Mold (*Geriachia* or *Fusarium Patch*) is likely to occur, apply a single application of Quali-Pro Chlorothalonil 720 SFT at 5 ½ fluid ounces in combination with products containing iprodione at 2.0 fluid ounces active ingredient per 1000 square feet of turf area; subsequent applications of 3 ½ fluid ounces per 1000 square feet must be made at 7 days retreatment intervals. Read and observe all label directions for products containing this active ingredient. A maximum yearly limit of 12.7 fluid ounces per 1000 square feet may be applied to ornamental turf, no more than 25.4 fluid ounces per 1000 square feet may be applied to tees, and a maximum yearly amount of 35.7 fluid ounces per 1000 square feet of Quali-Pro Chlorothalonil 720 SFT may be applied to greens.

**Fusarium (Geriachia) Patch:** For control of Fusarium Patch only in areas where snow cover is intermittent or lacking during the winter, apply 5 1/2 fluid ounces of Quali-Pro Chlorothalonil 720 SFT per 1000 square feet. Begin applications in late autumn and reapply at 3 1/2 fluid ounces per 1000 square feet at 21 to 28 day intervals until conditions favorable for Fusarium Patch no longer prevail. A maximum yearly limit of 12.7 fluid ounces per 1000 sq ft may be applied to ornamental turf, no more than 25.4 fluid ounces per 1000 square feet may be applied to tees, and a maximum yearly amount of 35.7 fluid ounces per 1000 square feet of Quali-Pro Chlorothalonil 720 SFT may be applied to greens.

**Algae:** For prevention of algae on turfgrasses, apply Quali-Pro Chlorothalonil 720 SFT at the rate of 2 1/8 to 3 1/2 fluid ounces per 1000 square feet on a 7- to 14-day re-treatment schedule. For severe algae control, a single application of 5 1/2 fluid ounces per 1000 square feet may be made, followed by applications of 3 1/2 fluid ounces with a 7 days retreatment interval. When algae is well established, every attempt needs to be made to dry out the afflicted area. Once dry, spiking or verticutting needs to be done to enhance turfgrass recovery in conjunction with Quali-Pro Chlorothalonil 720 SFT applications. Several applications may be necessary for turfgrass recovery. Only a preventative spray program with Quali-Pro Chlorothalonil 720 SFT will prevent a recurrence of the algae when environmental conditions are favorable for algal growth. A maximum yearly limit of 12.7 fluid ounces per 1000 sq ft may be applied to ornamental turf, no more than 25.4 fluid ounces per 1000 square feet may be applied to tees, and a maximum seasonal amount of 35.7 fluid ounces per 1000 square feet of Quali-Pro Chlorothalonil 720 SFT may be applied to greens.

## ORNAMENTAL PLANTS

Quali-Pro Chlorothalonil 720 SFT may be used on ornamental plants grown in the field, nurseries, or greenhouses, and for spot treatment of ornamental plants growing in landscapes. Due to the large number of species and varieties of ornamental and nursery plants, and the widely varying growing conditions, it is impossible to test every variety for sensitivity to Quali-Pro Chlorothalonil 720 SFT. Prior to commercial use, apply the labeled rates to a small area of plants in question, i.e., bedding plants, foliage, etc., and observe for 7 to 10 days prior to treatment of a commercial crop.

**Field Grown Ornamentals:** No more than 48 pints (36 lbs. chlorothalonil) per acre of Quali-Pro Chlorothalonil 720 SFT may be applied to field-grown ornamentals per year, applying by ground, air, or chemigation. For aerial application to field-planted ornamentals, a minimum rate of 10 gallons of spray per acre needs to be used during application. Quali-Pro Chlorothalonil 720 SFT needs to be applied to plants when both foliage and flowers are dry or nearly dry. For field-grown roses, apply 1.4 pints of Quali-Pro Chlorothalonil 720 SFT per acre for a single application. For field-planted pachysandra, apply 4.1 pints of Quali-Pro Chlorothalonil 720 SFT per acre for a single application.

**Ornamentals grown in nurseries, greenhouses:** Do not use mistblowers or high-pressure spray equipment when making applications of Quali-Pro Chlorothalonil 720 SFT in greenhouses. Apply Quali-Pro Chlorothalonil 720 SFT at the rate of 1.37 pints per 100 gallons of water unless other directions are given in the tables below. Apply in a spray until foliage run-off occurs when conditions are favorable for disease development. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply Quali-Pro Chlorothalonil 720 SFT at 7-day intervals. Quali-Pro Chlorothalonil 720 SFT needs to be applied to plants when both foliage and flowers are dry or nearly dry. Do not apply more than 48 pints (36lbs. chlorothalonil) per acre of Quali-Pro Chlorothalonil 720 SFT per year.

Do not combine Quali-Pro Chlorothalonil 720 SFT in the spray tank with pesticides, surfactants, or fertilizers unless prior use has shown the combination to be physically compatible, effective, and noninjurious under your conditions of use.

**Spot treatment of ornamental plants growing in landscapes:** Apply Quali-Pro Chlorothalonil 720 SFT at the rate of 1.3 teaspoons per 2 gallons of water. Apply in a spray until foliage run-off occurs when conditions are favorable for disease development. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply Quali-Pro Chlorothalonil 720 SFT at 7 day intervals. Quali-Pro Chlorothalonil 720 SFT needs to be applied to plants when both foliage and flowers are dry or nearly dry. Do not apply more than 48 pints (36lbs. chlorothalonil) per acre of Quali-Pro Chlorothalonil 720 SFT per year.

Use of Quali-Pro Chlorothalonil 720 SFT is labeled for control of fungal diseases referred to by numbers in parentheses following each ornamental. Ornamentals listed on this label have been tested and found to tolerate applications of Quali-Pro Chlorothalonil 720 SFT at the labeled rates. The user needs to test for possible phytotoxic responses, using labeled rates on ornamental plants on a small area prior to commercial treatments and observe for 7 to 10 days for symptoms of phytotoxicity. Applications made during bloom may damage flowers and/or fruits.

DO NOT eat or feed to livestock fruits and other treated foliage.

**Ornamentals for treatment with Quali-Pro Chlorothalonil 720 SFT:** Avoid applications during bloom periods for those plants where flower injury is unacceptable. For poinsettia, discontinue applications prior to bract formation; phytotoxicity is possible on bracts. For roses, use 1.1 pints per 100 gallons of water.

<b>Broadleaf Shrubs and Trees</b>	
Andromeda (Pieris)(4)	Holly (1)
Ash (Fraxinus)(1)	Lilac (5)
Aspen (1)	Magnolia (1)
Azalea (1,2,4)	Maple (1)
Buckeye, Horsechestnut (1)	Mountain Laurel (1)
Cherry-Laurel (1)	Oak (red group only)(1,7)
Crabapple (1,6,8)	Oregon Grape (Mahonia)(6)
Dogwood (1)	Photinia (1)
Eucalyptus (3)	Poplar (1)
Euonymus (1)	Privet (Ligustrum)(1)
Firethorn (Pyracantha)(1)	Rhododendron (1,2,4)
Flowering Almond (1,2)	Sand Cherry (1,2)
Flowering Cherry (1,2)	Sequoia (1)
Flowering Peach (1,2)	Spiraea (1)
Flowering Plum (1,2)	Sycamore, Planetree (1)
Flowering Quince (1,2)	Viburnum (5)
Hawthorn (1,6)	Walnut (Juglans)(1)
<b>Flowering Plants<sup>a</sup> and Bulbs</b>	
Arabian Violet (2)	Iris, Bulbous (1)
Begonia (1)	Lily (1)
Camellia (2)	Lily, Asiatic (1)
Carnation (1,2)	Marigold (1)
Chrysanthemum (1,2)	Narcissus (1)
Crocus (1)	Pansy (1)
Daffodil (1)	Petunia (1,4)
Daisy (1)	Phlox (1)
Geranium (1,6)	Poinsettia <sup>b</sup> (1)
Gladiolus (1,2)	Rose <sup>c</sup> (1)
Hollyhock (6)	Statice (1)
Hydrangea (foliage only)(1,6)	Tulip (1)
Iris (1,2)	Zinnia (1,5)
<b>Foliage Plants</b>	
Aglaonema (1)	Lipstick Plant (1)
Areca Palm (1)	Ming Aralia (1)
Artemesia (1)	Oyster Plant (Rhoeo) (1)
Boston Fern (1)	Pachysandra <sup>d</sup> (1)
Dumbcane (Diffenbachia) (1)	Parlor Palm (Chamaedorea) (1)
Dracaena (1)	Peperomia (1)
Fatsia (Aralia) (1)	Philodendron (1,4)
Ficus (1)	Prayer Plant (Maranta) (1)
Florida Ruffle Fern (1)	Syngonium (1)



Leatherleaf Fern (1)	Zebra Plant (Aphelandra) (1)
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<sup>a</sup>Avoid applications during bloom period on plants where flower injury is unacceptable.

<sup>b</sup>Discontinue applications prior to bract formation; phytotoxicity is possible on the bracts.

<sup>c</sup>Use 1.1 pints Quali-Pro Chlorothalonil 720 SFT per 100 gallons of water for greenhouse-grown plants.

<sup>d</sup>Use 3.0 pints Quali-Pro Chlorothalonil 720 SFT per 100 gallons of water for greenhouse-grown plants.

**Diseases Controlled by Quali-Pro Chlorothalonil 720 SFT:**

**1. Leaf Spots/Foliar Blights:**

<b>1. Leaf Spots/Foliar Blights:</b>	
Actinopelte Leaf Spot	Fabraea (Entomosporium) Leaf Spot
Alternaria Leaf Spot/Leaf Blight	Fusarium Leaf Spot
Anthrachnose Leaf Blotch, Spot	Gloeosporium Black Leaf Spot
Anthrachnose (Discula) Blight	Ink Spot (Drechslera)
Ascochyta Blight	Marssonina Leaf Spot
Bipolaris (Helminthosporium) Leaf Spot	Monilinia Blossom Blight, Twig Blight
Black Spot on Roses	Mycosphaerella Ray Blight
Botrytis Leaf Spot, Leaf Blight	Mycothecium Leaf Spot, Brown Rot
Cephalosporium Leaf Spot	Nematostoma Leaf Blight
Cercospora Leaf Spot	Phyllosticta Leaf Spot
Cercosporidium Leaf Spot	Ramularia Leaf Spot
Corynespora Leaf Spot	Rhizoctonia Web Blight
Coryneum Blight (Shothole)	Septoria Leaf Spot
Curvularia Leaf Spot	Sphaeropsis Leaf Spot
Cylindrosporium Leaf Spot	Stagonospora Leaf Scorch
Dactylaria Leaf Spot	Tan Leaf Spot (Curvularia)
Didymellina Leaf Spot	Volutella Leaf Blight
Dreschlera Leaf Spot	
<b>2. Flower Spots/Blights:</b>	
Botrytis Flower Spot, Flower Blight	Ovulinia Flower Blight
Curvularia Flower Spot, Flower Blight	Rhizopus Blossom Blight
Monilinia Blossom Blight	Sclerotinia Flower Blight
<b>3. Cylindrocladium Stem Canker</b>	
<b>4. Phytophthora Leaf Blight/ Dieback</b>	
<b>5. Powdery Mildews:</b>	
<i>Erysiphe cichoracearum</i>	<i>Microsphaera</i> spp.
<b>6. Rusts:</b>	
<i>Gymnosporangium</i> spp.	<i>Pucciniastrum hydrangeae</i>
<i>Puccinia</i> spp.	
<b>7. Taphrina Blister</b>	
<b>8. Scab (<i>Venturia inaequalis</i>)</b>	

The following ornamental plant species which have been tested with Quali-Pro Chlorothalonil 720 SFT at labeled rates did not exhibit phototoxicity.

Botanical Name	Common Name
<i>Aechmea fasciata</i>	Aechmea
<i>Araucaria heterophylla</i>	Norfolk Island Pine
<i>Asplenium nidus</i>	Birdnest Fern
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Caladium</i> spp.	Caladium
<i>Calathea makoyana</i>	Peacock Plant
<i>Calistephus chinensis</i>	Aster
<i>Carissa grandiflora</i>	Natal Plum
<i>Clerodendron thomsonae</i>	Bleeding Heart
<i>Codiaeum</i> spp.	Croton
<i>Cordyline terminalis</i>	Ti Plant
<i>Crassula argentea</i>	Jade Plant
<i>Cyrtomium falcatum</i>	Holly Leaf Fern

<i>Dionaea muscipula</i>	Venus Fly Trap
<i>Dizygotheca elegantissima</i>	False Aralia
<i>Epipremnum aureum</i>	Golden Pothos, Scindapsus
<i>Episcia cupreata</i>	Flame Violet
<i>Fittonia</i> spp.	Silver-Nerve Plant
<i>Gerbera jamesonii</i>	Gerbera Daisy
<i>Gynura sarmentosa</i>	Purple Passion Vine
<i>Gypsophila paniculata</i>	Baby's Breath
<i>Hoya</i> spp.	Wax Plant
<i>Ilex cornuta</i>	Chinese Holly
<i>Ilex crenata</i>	Japanese Holly
<i>Impatiens</i> spp.	Impatiens
<i>Pilea cadierei</i>	Aluminum plant
<i>Platynerium</i> spp.	Staghorn Fern
<i>Sansevieria trifasciata</i> "Hahnii"	Birdsnest Sansevieria
<i>Tolmeia menziesii</i>	Piggy-Back Plant
<i>Yucca elephantipes</i>	Spineless Yucca
<i>Zygocactus truncates</i>	Christmas Cactus

**Note:** Do not apply Quali-Pro Chlorothalonil 720 SFT to either green or variegated Pittosporum or to Schefflera, as multiple applications have been demonstrated to cause phytotoxic responses.

## STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool place. Protect from excessive heat. Store product in original container only away from water, food, or feed. Keep container closed to prevent spills and contamination. Carefully open containers. After partial use, replace lid and close tightly. Do not put concentrate or diluted product into food or drink containers.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by disposal. Improper disposal of excess pesticide, pesticide spray, or rinsate is a violation of Federal law. Wastes resulting from the use of this product that cannot be used according to the label instructions or chemically reprocessed must be disposed of on site or at a landfill or waste disposal facility approved for pesticide disposal, or in accordance with all applicable Federal, state, or local regulations. For further guidance, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Empty containers retain vapor and product residues.

**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 ¼ 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. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

**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 ¼ 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. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

**Refillable Container (greater than 55 gallons):** Refillable container. Refill this container with chlorothalonil 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 direction 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 risk 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 election, the replacement of product.

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