

100-1394

1/20/2011

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7504P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

100-1394

Date of Issuance:

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Chlorothalonil Flowable
720

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection Inc.
P.O. Box 18300
Greensboro, NC 27419

Attn: Fred Pearson

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), provided that you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

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Signature of Approving Official:

Tony Kish (handwritten signature)

Date:

JAN 20 2011

Tony Kish, Product Manager, Team 22
Fungicide Branch, Registration Division (7504P)

Notice of Pesticide Registration  
Product Name Chlorothalonil Flowable 720  
EPA Reg. No. 100-1394  
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Make the following change to the label:

- a. Change the product registration number to "EPA Reg. No. 100-1395"
- 2. Submit one copy of the revised final printed label before the product is released for shipment.

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

A copy of the label stamped "Accepted with Comments" is enclosed for your records.

Enclosure: Label stamped "Accepted with Comments"



<b>FIRST AID</b>	
<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 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 further 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>
<b>NOTE TO PHYSICIAN</b>	
Persons suffering with temporary allergic skin reactions may respond to treatment with oral antihistamines and topical or oral steroids.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b>	
For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b>	

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## PRECAUTIONARY STATEMENTS

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### Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. Remove and wash contaminated clothing before reuse.

### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

#### Mixers, loaders, applicators and all other handlers must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves made of any waterproof material
- shoes plus socks

In addition, applicators and handlers in enclosed areas such as a greenhouse must wear:

NIOSH approved dust/mist filtering respirator (MSHA/NIOSH approval prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

Follow the 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 Control Statements

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 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 the 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.

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This chemical is known to leach through soil into groundwater under certain conditions as a result of label 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 have a high potential for runoff into surface water 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 over-laying extremely shallow ground water, areas with infield canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

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

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

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

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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

**Read entire label carefully and use only as directed.**

## DIRECTIONS FOR USE

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

Chlorothalonil Flowable 720 should be used only in accordance with recommendations on this label or in separately published Syngenta supplemental labeling recommendations for this product.

DO NOT apply this product in a way that will contact workers or 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. 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 workers to enter treated areas during the restricted-entry interval (REI) of 12 hours.

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

- coveralls
- chemical resistant gloves made of any waterproof material
- shoes plus socks
- protective eyewear

**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 the 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
- how to operate the eyeflush container

**Non-Agricultural Uses**

For use to control diseases on turf on golf courses, lawns around commercial and industrial buildings, and professional and collegiate athletic fields.

For use to control diseases on ornamentals on golf courses and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

**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 this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

DO NOT enter or allow others to enter area until sprays have dried.

**USE INFORMATION**

Chlorothalonil Flowable 720 is an excellent disease control agent when used according to label directions for control of a broad spectrum of plant diseases. Chlorothalonil Flowable 720 is recommended for use in programs that are compatible with the principles of Integrated Pest Management (IPM), which include the use of disease resistant crop varieties, cultural practices, pest scouting and disease forecasting systems, which reduce unnecessary applications of pesticides.

Chlorothalonil Flowable 720 is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides that are at risk from disease resistance exhibit a single-site mode of fungicidal action. Chlorothalonil Flowable 720, with a multi-site mode of action, may be used to delay or prevent the development of resistance to single-site fungicides. Consult your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Chlorothalonil Flowable 720 in programs which seek to minimize the occurrence of disease resistance to other fungicides.

**USE PRECAUTIONS AND RESTRICTIONS**

**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 (e.g., elementary, middle and high schools), campgrounds, churches, and theme parks.**

Agricultural Use Sites Only (sod farms, farms, forests, nurseries and greenhouses): This product must not be applied within 150 feet for aerial 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.

**TANK MIX PRECAUTIONS AND RESTRICTIONS**

DO NOT combine Chlorothalonil Flowable 720 in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. DO NOT combine Chlorothalonil Flowable 720 with Dipel<sup>®</sup>, Latron B-1956<sup>®</sup> or Latron AG-98<sup>®</sup>, horticultural oil, and products containing xylene as phytotoxicity may result from the combination when applied to some species on this label.

A tank mix of Chlorothalonil Flowable 720 with Chipco<sup>®</sup> Signature<sup>®</sup> can result in physical antagonism if not mixed properly. Always fill the spray tank with water to near capacity first. Then, with the agitator running, slowly add the desired amount of Chlorothalonil Flowable 720 followed by the desired amount of Chipco Signature and/or other tank mix partners.

**SPRAY DRIFT PRECAUTIONS**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed ¾ the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information**.

### **Aerial Drift Reduction Advisory Information**

This section is advisory in nature and does not supersede the mandatory label requirements.

#### **Information on Droplet Size**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable conditions (see Wind, Temperature).

#### **Controlling Droplet Size**

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** - Orienting the nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift potential.

#### **Boom Length**

For some use patterns, reducing the effective boom length to less than  $\frac{3}{4}$  of the wingspan or rotor length may further reduce drift without reducing swath width.

#### **Application Height**

Applications should not be made at a height greater than 10 ft. above the top of the largest plants, unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

**Swath Adjustment**

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

**Wind**

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**Temperature and Humidity**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

**Temperature Inversions**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

**Sensitive Areas**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal (i.e., when wind is blowing away from the sensitive areas).

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## APPLICATION

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### Application and Calibration Techniques for Sprinkler Irrigation – Chemigation

Apply this product only through center pivot, motorized lateral move, solid set or portable (wheel move, side roll, end tow, or hand move) irrigation system(s). DO NOT apply this product through any other type of irrigation system. DO NOT use Chlorothalonil Flowable 720 through sprinkler irrigation equipment on golf courses.

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.

DO NOT apply this product through irrigation systems connected to a public water system. 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 per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

**Always inject Chlorothalonil Flowable 720 into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.**

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

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 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.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. DO NOT apply when wind speed favors drift beyond the area intended for treatment.

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.

Chlorothalonil Flowable 720 may be used through two basic types of sprinkler irrigation systems as outlined 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 and capable of being fitted with a system interlock and capable of injection at pressures approximately 2-3 times those encountered within the irrigation water line. Venturi applicator 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 recommended amount of Chlorothalonil Flowable 720 for acreage to be covered into the 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 Chlorothalonil Flowable 720 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 thirty to forty-five minute period. Mix desired amount of Chlorothalonil Flowable 720 for acreage to be covered with water so that the total mixture of Chlorothalonil Flowable 720 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 recommended. Chlorothalonil Flowable 720 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 Chlorothalonil Flowable 720 has been cleared from last sprinkler head.

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## **DIRECTIONS FOR APPLICATION**

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### **TURF**

**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 (e.g., elementary, middle and high schools), campgrounds, churches, and theme parks.**

**Group A.** Golf Course Fairways, Lawns (around commercial and industrial buildings), and Other Turfgrasses (professional and collegiate athletic fields) and Ornamental Turfgrass:

Do not apply more than 34.7 pints/acre (12.7 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 per growing season (26 lb. a.i./acre/growing season). The minimum re-treatment interval for single application rates **up to** 9.75 pints/acre (3.6 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (7.3 lb. a.i./acre) is 7 days. Do not apply more than one application of a rate greater than 9.75 pints/acre (3.6 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (7.3 lb. a.i./acre) per growing season. The maximum single application rate is 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (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 Chlorothalonil Flowable 720 per growing season (13 lb. a.i./acre per growing season). The minimum re-treatment interval for single application rates **up to** 9.7 pints/acre (3.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (7.3 lb. a.i./acre) is 7 days. Do not apply more than one application of a rate greater than 9.7 pints/acre (3.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (7.3 lb. a.i./acre) per growing season. The maximum single application rate is 15 pints/acre (5.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (11.3 lb. a.i./acre).

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**NOTE:** Sod farm turf treated with chlorothalonil prior to harvest must be mechanically cut, rolled and harvested.

Apply Chlorothalonil Flowable 720 in 30 to 40 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; Chlorothalonil Flowable 720 should always be used in conjunction with good turf management practices.

**Group B. Golf Course Tees and Greens**

**Golf Course Tees:** Do not apply more than 69.3 pints/acre (25.4 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (52 lb. a.i./acre) per growing season. The minimum re-treatment interval for single application rates up to 9.75 pints/acre (3.6 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (7.3 lb. a.i./acre) is 7 days. 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 Chlorothalonil Flowable 720 (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 Chlorothalonil Flowable 720 (7.3 lb. a.i./acre) per growing season. The maximum single application rate is 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (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 Chlorothalonil Flowable 720 (73 lb. a.i./acre) per growing season. The minimum re-treatment interval for single application rates up to 9.75 pints/acre (3.6 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (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 Chlorothalonil Flowable 720 (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 Chlorothalonil Flowable 720 (7.3 lb. a.i./acre) per growing season. The maximum single application rate is 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (11.3 lb. a.i./acre).

Apply Chlorothalonil Flowable 720 in an adequate amount of water to provide complete coverage. This amount may vary from 90 to 450 gallons per acre. See table below for suggested rates and timing. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; Chlorothalonil Flowable 720 should always be used in conjunction with good turf management practices.



Diseases Controlled*	Application Interval (Days)	Pre-Disease Rates <sup>a</sup>			Post-Disease Rates <sup>a</sup>		
		fl. oz. product/ 1000 sq ft	pints product/ acre	lb a.i./acre	fl. oz. product/ 1000 sq ft	pints product/ acre	lb a.i./acre
Dollar Spot	7 to 10	1.0 <sup>b</sup> to 2.0	2.8 <sup>b</sup> to 5.0	2.1 <sup>b</sup> to 4.1	-	-	-
	7 to 21	2.0 to 3.6	5.5 to 9.75	4.1 to 7.3	-	-	-
	14	-	-	-	4.0 to 5.5	11 to 15.1	8.25 to 11.3
Leaf Spot Melting-Out Brown Blight	7 to 10	2.0	5.5	4.1	-	-	-
	7 to 21	2.0 to 3.6	5.5 to 9.75	4.1 to 7.3	-	-	-
	14	-	-	-	4.0 to 5.5	11 to 15.1	8.25 to 11.3
Brown Patch	7 to 14	2.0 to 3.6	5.5 to 9.75	4.1 to 7.3	-	-	-
	14	-	-	-	4.0 to 5.5	11 to 15.1	8.25 to 11.3
Gray Leaf Spot	7 to 10	2.0 to 3.6	5.5 to 9.75	4.1 to 7.3	-	-	-
	14	-	-	-	4.0 to 5.5	11 to 15.1	8.25 to 11.3
Red Thread	7 to 10	2.0 to 3.6	5.5 to 9.75	4.1 to 7.3	-	-	-
	14	3.6 to 5.5	9.9 to 15.1	7.4 to 11.3	5.5	15.1	11.3
Anthracnose	7 to 14	3.0 to 3.6	8.3 to 9.75	6.2 to 7.3	-	-	-
	14	3.6 to 5.5	9.9 to 15.1	7.4 to 11.3	-	-	-
Copper Spot	14	4.0 to 5.5	11 to 15.1	8.25 to 11.3	5.5	15.1	11.3
Stem Rust (Bluegrass)	14	4.0 to 5.5	11 to 15.1	8.25 to 11.3	5.5	15.1	11.3
Dichondra Leaf Spot (CA only)	14	4.0 to 5.5	11 to 15.1	8.25 to 11.3	5.5	15.1	11.3
Gray Snow Mold <sup>c</sup>	30	5.5	15.1	11.3	-	-	-
Fusarium (Gerlachia) Patch <sup>c</sup>	21 to 28	5.5	15.1	11.3	-	-	-
Algae <sup>c</sup>	7 to 14	2.0 to 3.6	5.5 to 9.75	4.1 to 7.3	2.0 to 3.6	5.5 to 9.75	4.1 to 7.3
	14	-	-	-	4.0 to 5.5	11 to 15.1	8.25 to 11.3

<sup>a</sup>**Group A Turf:** Limit of one application per season at rates greater than 7.3 lb a.i./acre (9.75 pints/acre or 3.6 fl oz/1000 sq ft of Chlorothalonil Flowable 720.

**Group B Turf:** Limit of two applications per season at rates greater than 7.3 lb ai/acre (9.75 pints/acre or 3.6 oz/1000 sq ft of Chlorothalonil Flowable 720.

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

<sup>c</sup>See specific use directions below.

\*Diseases listed are caused by fungi, some of which are named as follows:

- Dollar Spot: *Sclerotinia homeocarpa*; *Lanzia* or *Moellerodiscus* spp.
- Leaf Spots, Melting-Out, Brown Blight: *Drechslera* spp. (including *D. poae*, *D. siccans*), *Bipolaris sorokiniana*, *Curvularia* spp.
- Brown Patch: *Rhizoctonia solani*, *R. zea*, *R. cerealis*
- 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: *Typhula* spp.
- Fusarium (Gerlachia) Patch
- Algae

Gray Snow Mold caused by *Typhula* spp. - Group A and B - Turf: Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 sq. ft.). Apply one application 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (11.3 lb. a.i./acre). Application must be made before snow cover in autumn. Group B Turf: if snow cover is intermittent or lacking during the winter, a second application of Chlorothalonil Flowable 720 at 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) may be applied one month after the first application.

Fusarium (Gerlachia) Patch: Group A and B Turf: In areas where pink snow mold (Gerlachia or Fusarium patch) is likely to occur, apply Chlorothalonil Flowable 720 at 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) (11.3 lb. a.i./acre) in combination with products containing iprodione at 88 oz. a.i./acre (2 oz. a.i./1000 sq. ft.) of turf area. Read and observe all label directions for products containing these active ingredients. For control of Fusarium patch only in areas where snow cover is intermittent or lacking during the winter, apply 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 (11.3 lb. a.i./acre). Make application in late autumn. Group B Turf: Apply a second application of 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) of Chlorothalonil Flowable 720 21 to 28 days after the first application unless conditions favorable for Fusarium patch no longer prevail.

Algae: Group A and B Turf: For prevention of algae on turfgrasses, apply Chlorothalonil Flowable 720 at the rate of 5.5 to 9.75 pints/acre (2.0 to 3.6 fl. oz./1000 sq. ft.) (4.1 to 7.3 lb. a.i./acre) on a 7- to 14-day schedule. Under severe algae conditions use the 9.75 pints/acre (3.6 fl. oz./1000 sq. ft.) rate and apply on a 7-day schedule.

When algae is well established, every attempt should be made to dry out the afflicted area. Once dry, spiking or verticutting should be done to enhance turfgrass recovery in conjunction with a Chlorothalonil Flowable 720 application at the rate of 11 to 15.1 pints/acre (4.0 to 5.5 fl. oz./1000 sq. ft.). Group B Turf: A second application of Chlorothalonil Flowable 720 at the 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) rate may be made 14 days after the first application.

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Group A and B Turf: Following application of the 15.1 pints/acre (5.5 fl. oz./1000 sq. ft.) rate, several applications of Chlorothalonil Flowable 720 at a rate of 5.5 to 9.75 pints/acre (2.0 to 3.6 fl. oz./1000 sq. ft.) (4.1 to 7.3 lb. a.i./acre) on a 7- to 14-day interval may be necessary for turfgrass recovery. Only a preventive spray program with Chlorothalonil Flowable 720 will prevent a recurrence of the algae when environmental conditions are favorable.

### **ORNAMENTALS**

Apply Chlorothalonil Flowable 720 at a rate of 1 3/8 pints (1.0 lb. a.i.) per 100 gallons of water unless other directions are given in the tables below. DO NOT apply more than 48.5 pints Chlorothalonil Flowable 720 (36.4 lb. a.i./acre) per growing season to field grown ornamentals. Apply in a spray to run-off 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 Chlorothalonil Flowable 720 at 7-day intervals. The minimum re-treatment interval is 7 days. Chlorothalonil Flowable 720 should be applied to plants when both foliage and flowers are dry, or nearly dry.

DO NOT combine Chlorothalonil Flowable 720 in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination to be physically compatible, effective and non-injurious under your conditions of use.

Chlorothalonil Flowable 720 may be used in greenhouses. DO NOT use mist blowers or high pressure spray equipment when making applications of Chlorothalonil Flowable 720 in greenhouses.

Knock Out® and Double Delight roses can be sensitive to Chlorothalonil Flowable 720 applications resulting in damage to foliage under certain growing conditions.

Use of Chlorothalonil Flowable 720 is recommended 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 Chlorothalonil Flowable 720 at the recommended rates. The user should test for possible phytotoxic responses, using recommended rates on ornamental plants on a small area prior to commercial use. Applications made during bloom may damage flowers and/or fruits.

Fruits and other structures which may be borne on treated plants **MUST NOT BE EATEN.**

**ORNAMENTALS RECOMMENDED FOR TREATMENT WITH CHLOROTHALONIL FLOWABLE 720****Broadleaf Shrubs And Trees**

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)

**Flowering Plants<sup>a</sup> and Bulbs**

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)

<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 pint Chlorothalonil Flowable 720 (0.75 lb. a.i.) per 100 gallons of water.

**Foliage Plants**

Aglaonema (1)	Ming Aralia (1)
Areca Palm (1)	Oyster Plant (Rhoeo) (1)
Artemesia (1)	Pachysandra <sup>d</sup> (1)
Dumbcane (Dffenbachia) (1)	Parlor Palm (Chamaedorea) (1)
Dracaena (1)	Peperomia (1)
Fatsia (Aralia) (1)	Philodendron (1,4)
Ficus (1)	Prayer Plant (Maranta) (1)
Lipstick Plant (1)	Syngonium (1)
	Zebra Plant (Aphelandra) (1)

<sup>d</sup>Use 2¾ pints of Chlorothalonil Flowable 720 (2.1 lb a.i.) per 100 gallons of water.

**Diseases Controlled with Chlorothalonil Flowable 720****1. Leaf Spots/Foliar Blights:**

Actinopelte leaf spot	Fabraea (Entomosporium) leaf spot
Alternaria leaf spot/leaf blight	Fusarium leaf spot
Anthraxnose leaf blotch, spot	Gloeosporium black leaf spot
Anthraxnose (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	Myrothecium 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
Drechslera leaf spot	

**2. Flower spots/blights:**

Botrytis flower spot, flower blight  
Curvularia flower spot  
Monilinia blossom blight  
Ovulinia flower blight  
Rhizopus blossom blight  
Sclerotinia flower blight

**3. Cylindrocladium stem canker****4. Phytophthora leaf blight, dieback**

**5. Powdery mildews:**

*Erysiphe cichoracearum*  
*Microsphaera* spp.

**6. Rusts:**

*Gymnosporangium* spp.  
*Pucciniastrum hydrangeae*  
*Puccinia* spp.

**7. Taphrina blister****8. Scab (*Venturia inaequalis*)**

The following ornamental plant species which have been tested with Chlorothalonil Flowable 720 at recommended rates did not exhibit phytotoxicity:

**Botanical Name**

*Aechmea fasciata*  
*Araucaria heterophylla*

**Common Name**

Aechmea  
Norfolk Island Pine

*Bougainvillea* spp.

Bougainvillea

*Caladium* spp.

Caladium

*Calathea makoyana*

Peacock Plant

*Calistephus chinensis*

Aster

*Carissa grandiflora*

Natal Plum

*Clerodendron thomsonae*

Bleeding Heart

*Codiaeum* spp.

Croton

*Cordyline terminalis*

Ti Plant

*Crassula argentea*

Jade Plant

*Dionaea muscipula*

Venus Fly Trap

*Dizygotheca elegantissima*

False Aralia

*Epipremnum aureum*

Golden Pothos, Scindapsus

*Episcia cupreata*

Flame Violet

*Fittonia* spp.

Silver-Nerve Plant

*Gerbera jamesonii*

Gerbera Daisy

*Gynura sarmentosa*

Purple Passion Vine

*Gypsophila paniculata*

Baby's Breath

*Hoya* spp.

Wax Plant

*Ilex cornuta*

Chinese Holly

*Ilex crenata*

Japanese Holly

*Impatiens* spp.

Impatiens

*Pilea cadierei*

Aluminum Plant

*Sansevieria trifasciata* "Hahnii"

Birdsnest Sansevieria

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*Tolmeia menziesii*  
*Yucca elephantipes*  
*Zygocactus truncatus*

Piggy-Back Plant  
Spineless Yucca  
Christmas Cactus

**NOTE:** DO NOT apply Chlorothalonil Flowable 720 to either green or variegated Pittosporum or to Schefflera, as multiple applications have been demonstrated to cause phytotoxic responses.

**CONIFERS**

Apply Chlorothalonil Flowable 720 in sufficient water and with proper calibration to obtain uniform coverage of tree canopy. Application with ground equipment is preferable to aerial application because ground applications generally give better coverage of the tree canopy. If application with ground equipment is not feasible, Chlorothalonil Flowable 720 may be applied with aircraft using at least 20 gallons of spray per acre. When concentrate sprays are used or when treating immature trees, the lower rate of Chlorothalonil Flowable 720 listed may be used. DO NOT allow livestock to graze in treated areas. The following spray volumes are recommended as gallons of spray per acre:

Crop	Spray Volume (Gallons per Acre)	
	Dilute	Concentrate
Conifers		
Forest stands	Not used	10 to 20 (aircraft)
Christmas trees	100	10 to 50 (aircraft or ground equipment)
Nursery beds	100	5 to 10 (ground equipment only)

Crop	Diseases	Chlorothalonil Flowable 720 Rate Pints/Acre or 100 Gallons (lb. a.i./acre or 100 gal)		Application Directions
		Acre	100 Gal	
Conifers (Pines, Spruces)	Swiss needlecast	2¼ to 5½ pt. (2.1 to 4.125)	2¼ to 5½ pt. (2.1 to 4.125)	Single application technique: In Christmas tree plantations or forest stands, make one application in the spring when new shoot growth is ½ to 2 inches in length.
	Scleroderris canker (pines)	1½ to 2¼ pt. (1.125 to 2.1)	1½ to 2¼ pt. (1.125 to 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.
	Swiss needlecast			
	Sirococcus tip blight	2 to 3½ pt. (1.5 to 2.6)	2 to 3½ pt. (1.5 to 2.6)	
	Rhizosphaera needlecast (spruces)	5½ pt. (4.125)	5½ pt. (4.125)	
	Scirrhia brown spot (pines)			
	Cyclaneusma and Lophodermium needlecasts (pines)	2¼ to 5½ pt. (2.1 to 4.125)	2¼ to 5½ pt. (2.1 to 4.125)	Apply in early spring prior to budbreak. Repeat applications at approximately 6- to 8-week intervals, until spore release ceases in late fall. Apply monthly during periods of frequent rainfall, and where Lophodermium infections occur during dormancy (Pacific Northwest). During drought periods, applications may be suspended, then resumed upon next occurrence of needle wetness.
	Rhabdocline needlecast (Douglas-firs)	1½ to 2¼ pt. (1.125 to 2.1)	1½ to 2¼ pt. (1.125 to 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	1½ to 2¼ pt. (1.125 to 2.1)	1½ to 2¼ pt. (1.125 to 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 disease favorable conditions persist.
Phoma twig blight				
Autoecious needle rust (Weir's cushion) (spruces)	5½ pt. (4.125)	5½ pt. (4.125)	Begin applications when 10% of buds have broken and twice thereafter at 7- to 10-day intervals.	



Crop	Diseases	Chlorothalonil Flowable 720 Rate Pints/Acre or 100 Gallons (lb. a.i./acre or 100 gal)		Application Directions
		Acre	100 Gal	

DO NOT apply more than 22 pints of Chlorothalonil Flowable 720 (16.5 lb. a.i.) per acre during each growing season. The minimum re-treatment interval for established trees is 21 days. The minimum re-treatment interval in nursery beds is 7 days.

\*Volumetric rates to be used only with full dilute spray volume specified on this label for tree and orchard crops.

## STORAGE AND DISPOSAL

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

### Pesticide Storage

Store in a dry place.

### Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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 [equal to or less than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### Container Handling [greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and

dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

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For non-emergency (e.g., current product information) call  
Syngenta Crop Protection at 1-800-334-9481.

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Manufactured for:  
Syngenta Crop Protection Inc.  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300

NON-DETACHABLE CONTAINER LABEL

**Chlorothalonil Flowable 720**

Fungicide

For control of diseases on turf, ornamentals and conifers

Active Ingredient:

<u>Chlorothalonil (tetrachloroisophthalonitrile)</u> .....	<u>54.0%</u>
<u>Other Ingredients:</u>	<u>46.0%</u>
Total:	100.0%

Contains 6.0 pounds chlorothalonil per gallon (720 grams per liter)

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-XXXX

EPA Est. 50534-TX-001

\_\_ gallons  
Net Contents

<b>FIRST AID</b>	
<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 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 further 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>
<b>NOTE TO PHYSICIAN</b>	
Persons suffering with temporary allergic skin reactions may respond to treatment with oral antihistamines and topical or oral steroids.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b>	
For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b>	

**PRECAUTIONARY STATEMENTS****Hazards to Humans and Domestic Animals****CAUTION**

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. Remove and wash contaminated clothing before reuse.

## 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 label 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 have a high potential for runoff into surface water 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 over-laying extremely shallow ground water, areas with infield canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

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## STORAGE AND DISPOSAL

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

### Pesticide Storage

Store in a dry place.

### Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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 [equal to or less than 5 gallons]

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**Container Handling [greater than 5 gallons]**

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

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Syngenta Crop Protection Inc.  
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