

228-394

11/06/2007

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# Riverdale<sup>®</sup> Resound<sup>™</sup> 720

A BROAD SPECTRUM FUNGICIDE FOR THE CONTROL OF PLANT DISEASES ON GOLF COURSES, ORNAMENTALS, SUCH AS TURF GRASS, HERBS, SHRUBS AND TREES.

**ACTIVE INGREDIENT:**

Chlorothalonil (tetrachloroisophthalonitrile) ..... 54.0%

**OTHER INGREDIENTS:** ..... 46.0%

**TOTAL:** ..... 100.0%

Contains 6.0 pounds of Chlorothalonil 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.)

**SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300  
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-394  
EPA EST. NO. 228-IL-1

MANUFACTURED BY  
NUFARM AMERICAS INC.  
BURR RIDGE, IL 60527



NET WEIGHT                      GALS.

228-394.20070821.Amendment

ACCEPTED  
NOV 6 2007  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 228-394

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING - AVISO**

May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Do not breath spray mist.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear long-sleeved shirt, long pants, chemical resistant gloves, shoes, socks, protective eyewear and a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter. 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, use detergent and hot water. Keep and wash PPE separately from other laundry.

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**ENGINEERING CONTROLS**

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.

<b>USER SAFETY RECOMMENDATIONS</b>	
<b>Users should:</b>	
<ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• 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.</li> </ul>	

<b>FIRST AID</b>	
<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 the 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 to 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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage. Persons having an allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to aquatic invertebrates and wildlife. Do not apply directly to water or 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. This product must not be applied 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. 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 also 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 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.

READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard (40 CFR part 170). This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

PPE is required for early entry into 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, shoes plus socks and protective eyewear.

**Special Eye Irritation Provisions:**

This product is a severe eye irritant. Although the restricted entry interval (REI) expires after 12 hours, for the next 6-1/2 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:
  - a) That residues in the treated area may be highly irritating to their eyes.
  - b) That they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes.
  - c) 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.
  - d) 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 this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

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

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### GENERAL INFORMATION

Resound™ 720 is an excellent turf and ornamental fungicide when used according to label directions for control for a broad spectrum of plant diseases. Thorough, uniform coverage of plant surfaces is essential for disease control. Do not combine Resound™ 720 in the spray tank with pesticides, surfactants or fertilizers, unless prior use has shown the combination physically compatible, effective and noninjurious under conditions of use. 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. Sod farm turf treated with chlorothalonil prior to harvest must be mechanically cut, rolled and harvested.

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

**NOTE:** Slowly invert container several times to assure uniform mixture. Add the required amount of Resound™ 720 to the spray tank while filling with water. Keep agitator running when filling spray tank and during spray operations.

### APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION ON SOD FARMS, TURF, ORNAMENTAL HERBS, SHRUBS AND TREES

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) irrigation system(s). Do not apply this product through any other type of irrigation system. Do not use Resound™ 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 Resound™ 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 injections 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.

This 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.

Resound™ 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 continuous systems must use a positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are capable of injection at pressures approximately 2 to 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 this product for acreage to be covered into the same amount of water used during calibration and inject into system 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 Resound™ 720 has been cleared from last sprinkler head.

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#### 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 Resound™ 720 for acreage to be covered with water so that the total mixture of Resound™ 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. No agitation should be required. Resound™ 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 Resound™ 720 has been cleared from last sprinkler head.

### SPRAY DRIFT MANAGEMENT

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 to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 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.]

#### Importance of 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 environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversion section of this table).

#### 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** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy protection. 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 nozzles so that the spray is released backwards, parallel to the airstream will produce larger droplets than other orientations. Significant deflection from the 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 larger droplets than other nozzle types.
- **Boom Length** - For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application** - Applications should not be made at a height greater than 10 feet 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 cross-wind, the swath will be displaced downwind. Therefore, on the up 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 to 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 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.

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### 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 connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

### ORNAMENTALS, CONIFERS AND TURF (INCLUDING SOD FARMS)

**Ornamentals and Conifers:** Apply Resound™ 720 at a rate of 1-1/4 pints per 100 gallons of water per acre unless other directions are given in the tables below. Begin applications as directed for each species and disease condition cited and repeat on a 7 to 14 day schedule until conditions are no longer favorable for disease development. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, use the higher rate specified and the shortest indicated interval between applications.

Do not apply more than a total of 36.4 lbs. chlorothalonil active ingredient (6 gallons of this product) per acre per growing season on field grown ornamentals. Do not apply more than 16.5 pounds of chlorothalonil active ingredient (2.75 gallons of this product) per acre per growing seasons on conifers.

Aerial application to conifers is permitted although ground applications generally give better coverage. If application with ground equipment is not feasible, Resound™ 720 may be applied aurally to forest stands in 10 to 20 gallons of water and to Christmas trees in 10 to 50 gallons of water.

Resound™ 720 may be used in greenhouses. Do not use mistblowers or high pressure spray equipment when making applications in greenhouses.

**TURF:** Do not mow or water after treatment until spray deposit on turfgrass is thoroughly dry; Resound™ 720 should always be used in conjunction with good turf management practices.

Do not use for sodfarms at application rates greater than 13 pounds active ingredient per acre per year. Do not apply more than 26 pounds active ingredient per acre per growing season on golf course fairways.

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**ORNAMENTALS**

<b>BROADLEAF SHRUBS AND TREES</b>		
<b>SPECIES</b>	<b>DISEASES CONTROLLED</b>	<b>SUGGESTED FIRST APPLICATION</b>
Ash ( <i>Fraxinus</i> )	Cercospora Cercosporidium Cylindrosporium leaf spots	Spring Bud Break
Azalea* Rhododendron*	Phytophthora die-back <i>Ovulinia</i> flower blight	New leaf emergence: Early bloom
Buckeye, Horsechestnut	Leaf blotch Anthracnose	Spring bud break
Cherry-Laurel	<i>Cercospora</i> leaf spot	Petal fall
Crabapple	Scab Cedar-apple rust <i>Sphaeropsis</i> leaf spot	Spring bud break
Dogwood	<i>Septoria</i> leaf spot	Early bloom
Euonymus	Anthracnose	Spring bud break
Firethorn	Scab	Spring bud break
Flowering Almond Quince Sand Cherry	<i>Monilinia</i> blossom/branch blight	Early bloom
Hawthorn	Rust <i>Fabraea</i> leaf spot	Pre-bloom
Holly	<i>Rhizoctonia</i> web blight	Warm, moist conditions
Mountain Laurel	<i>Cercospora</i> leaf spot	Spring bud break
Oak (red group only)	<i>Taphrina</i> leaf blister <i>Actinopelte</i> leaf spot Anthracnose	Dormant budswell
Oregon-Grape ( <i>Mahonia</i> )	Rust	Spring bud break
Photinia	<i>Fabraea</i> ( <i>Entomosporium</i> ) leaf spot	Spring bud break
Pieris ( <i>Andromeda</i> )	Phytophthora die-back	New leaf emergence
Poplar	Marssonina leaf spot	Spring bud break

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BULBS AND FLOWERING PLANTS		
SPECIES	DISEASES CONTROLLED	SUGGESTED FIRST APPLICATION
Carnation	<i>Alternaria</i> leaf spot / branch rot <i>Botrytis</i> flower blight	Transplant of cuttings Cool, moist conditions
Chrysanthemum / Daisy	<i>Mycosphaerella</i> ray blight <i>Septoria</i> leaf spot <i>Botrytis</i> flower blight (gray mold)	Transplant of cuttings Pre-bloom
Geranium	<i>Botrytis</i> blight Rust	Cool, moist conditions
Gladiolus	<i>Curvularia</i> leaf/flower spot <i>Botrytis</i> leaf/flower spot	Early propagation
Hollyhock	Rust	Early seedling stage
Hydrangea* (foliage only)	<i>Cercospora</i> leaf spot <i>Septoria</i> leaf spot Rust	Early propagation
Iris	<i>Botrytis</i> blossom blight <i>Didymellina</i> leaf spot	Cool, moist conditions
Lily	<i>Botrytis</i> gray mold	Pre-bloom
Petunia*	<i>Phytophthora</i> blight (foliar phase) <i>Botrytis</i> blight	Pre-bloom
Rose (use 1.1 pints per 100 gals.)	Black spot <i>Botrytis</i> blight	Spring bud break
Statice	Anthraxnose <i>Alternaria</i> <i>Cercospora</i> <i>Botrytis</i> leaf blights	Spring bud break
Zinnia	Powdery mildew	First sign of disease

\* Discoloration of blooms has been noted on certain varieties when applications are made during glowing.

FOLIAGE PLANTS		
SPECIES	DISEASES CONTROLLED	SUGGESTED FIRST APPLICATION
Dracaena	<i>Fusarium</i> leaf spot	Pre-transplant
Pachysandra (use 2.8 pints per 100 gals.)	<i>Volutella</i> leaf blight	Spring bud break
Leatherleaf fern	<i>Ascochyta</i> blight <i>Cercospora</i> leaf spot <i>Cylindrocladium</i> leaf spot <i>Rhizoctonia</i> leaf spot	Spring bud break
Parlor palm	<i>Bipolaris</i> ( <i>Helminthosporium</i> ) leaf spot	Cool, moist conditions
Philodendron	<i>Phytophthora</i> blight <i>Dactylaria</i> leaf spot	Moist conditions
Prayer plant ( <i>Maranta</i> )	<i>Helminthosporium</i> leaf spot	Early propagation
Oyster plant ( <i>Rhoeo</i> )	Tan leaf spot	Early propagation
Syngonium	<i>Cephalosporium</i> leaf spot	Warm, moist conditions



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CONIFERS		
DISEASES CONTROLLED	Resound™ 720 RATE / ACRE	APPLICATION DIRECTIONS
Scleroderris Canker (pines) Swiss needle cast Rhabdocline needle cast (Douglas fir)	1.4 to 2.8 pints	Make first application in spring when new shoot growth is 1/2 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	2.1 to 3.5 pints	
Rhizosphaera needle cast (spruces) Scirrhia brown spot (pines)	5.6 pints	
Lophodermium needle cast	1.4 to 2.8 pints	North Central and Northeastern States: Begin applications in mid-July to early August before infection occurs. Make additional applications at 3 to 4 week intervals until conditions no longer favor disease development. For use in nursery beds, apply 2.8 pints per acre on a 3 week schedule.
Botrytis seedling blight Phoma twig blight	1.4 to 2.8 pounds	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 favorable disease conditions persist.

### TURF

**GOLF COURSE FAIRWAYS:** Apply Resound™ 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.

DISEASE	APPLICATION INTERVAL	APPLICATION RATE PER ACRE
<i>Sclerotinia</i>	7 to 10 days	2.8 to 5.6 pints
Dollar spot	14 to 21 days	5.6 to 9.8 pints
<i>Helminthosporium</i>	7 to 10 days	5.6 pints
Leaf spot	14 to 21 days	5.6 to 9.8 pints
<i>Rhizoctonia</i> (brown patch)	7 to 14 days	5.6 to 7.0 pints
Anthracnose	7 to 14 days	4.2 to 8.4 pints

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**Golf Course Tees and Greens and Ornamental Turfgrass:** Apply Resound™ 720 in an adequate amount of water to provide complete coverage. This amount may vary from 2 to 10 gallons per 1,000 square feet. See below for suggested rates and timing. Under severe disease conditions, use the curative rates and spray on a 7 day schedule.

DISEASE	APPLICATION INTERVAL	APPLICATION RATE OUNCES PER 1,000 SQUARE FEET	APPLICATION INTERVAL	APPLICATION RATE OUNCES PER 1,000 SQUARE FEET
		Preventative**		Curative***
Anthracoese	14 days	3.5 to 5.5	7 days	3.6
Copper Spot	14 days	4.2 to 5.5	7 days	3.6
<i>Curvularia</i> Leaf Spot	14 days	2.1 to 5.5	7 days	3.6
Dollar Spot	14 days	2.1 to 5.5	7 days	3.6
Gray Leaf spot	14 days	2.1 to 5.5	7 days	3.6
<i>Helminthosporium</i> Leaf spot and Melting-Out	14 days	2.1 to 5.5	7 days	3.6
Large Brown Patch	14 days	2.1 to 5.5	7 days	3.6
Red Thread	14 days	2.1 to 5.5	7 days	3.6
Stem Rust of Bluegrass	14 days	4.2 to 5.5	7 days	3.6
Dichondra: <i>Alternaria</i> Leaf spot (California Only)	14 days	4.2 to 5.5	7 days	3.6

\* One fluid ounce of this product is approximately equal to 29 milliliters.

\*\* Recommended rates for preventing disease establishment, use lower rates when disease conditions are light to moderate, higher indicated rates when conditions are severe.

\*\*\* Rates for use on a 7 day schedule when disease is present.

**Note:** Rates may not exceed 11.3 pounds active ingredient (1.88 gallons of this product) per acre per application with 14 day intervals or 7.3 pounds active ingredient (1.22 gallons of this product) per acre per application with 7 day intervals. Maximum dosage rates for greens are 73 pounds chlorothalonil active ingredient (12.2 gallons of this product) per acre per season and for tees a maximum of 52 pounds chlorothalonil active ingredient (8.7 gallons of this product) per acre per season.

**TURFGRASSES: Gray snow mold caused by *Typhula* spp.:** Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 12,000 square feet). Apply 4.5 to 5.5 fluid ounces of Resound™ 720 per 1,000 square feet of turf area. Application must be made before snow cover in autumn. Use the higher rate if turf layer remains frozen prior to snow cover. If snow cover is intermittent or lacking during the winter, reapply at 4.0 fluid ounces per 1,000 square feet at monthly intervals until gray snow mold conditions no longer prevail; but do not exceed maximum of 26 pounds active ingredient (8.7 gallons of this product) per acre per season. In areas where pink snow mold (*Gerlachia* or *Fusarium* patch) is likely to occur, apply at 4.5 fluid ounces per 1,000 square feet in combination with Chipco 26019 50WP at 4 ounces per 1,000 square feet of turf area.

**Fusarium (Gerlachia) Patch:** For control of *Fusarium* patch only in areas where snow cover is intermittent or lacking during the winter, apply 4-1/2 to 5.5 ounces per 1,000 square feet of turf area. Begin applications in late autumn and re-apply at 21 to 28 day intervals at 4.0 fluid ounces until conditions favorable for *Fusarium* patch no longer prevail; but do not exceed maximum of 26 pounds active ingredient (8.7 gallons of this product) per acre per season.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Always use original container to store pesticides in a secure warehouse or storage building. This product should be stored in a cool, dry location. Protect from excessive heat. Do not store near open containers of seeds, fertilizers, insecticides, or fungicides. Container should be opened in a well ventilated area. All containers should be kept tightly sealed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixtures or rinsate is a violation of Federal law. If container is damaged or if pesticide has spilled, contain all spillage. Place in a closed, labeled container for proper disposal. 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 DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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