For the prevention and control of turf diseases and the diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, plus deciduous and evergreen trees and shrubs.

**ACTIVE INGREDIENT:**
Thiophanate-methyl (dimethyl 4,4'-o-phenylenebis[3-thioallophanate]) ........................ 50.00%

**OTHER INGREDIENTS** ........................................... ......... 50.00%

**TOTAL** ................................................................... 100.00%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

**IF IN EYES:**
Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

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

**IF ON SKIN OR CLOTHING:**
Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:**
Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. For 24-Hour Emergency Assistance Call Chemtrec 1-800-424-9300.

EPA Reg. No. 1001-63

CLEARY CHEMICALS, LLC
178 RIDGE ROAD, SUITE A
DAYTON, NJ 08810-1501

Version: 11.14.09
Accepted Date: 10.30.09
Replaces: 09.24.08

EMERGENCY PHONE NUMBERS:
M-F 9AM-5PM ET
800-524-1662 • 732-329-8399
24 Hour CHEMTREC
800-424-9300
PRECAUTIONARY STATEMENTS

• **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

  **CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

- Natural rubber, polyvinyl chloride and polypropylene are chemical-resistant for this product. If you want more options, follow the instructions on an EPA chemical-resistance category selection chart.
- Mixers, loaders, applicators and other handlers supporting dip treatment must wear: Coveralls over long sleeved shirt and long pants, Chemical-resistant gloves, Chemical-resistant footwear plus socks, A chemical-resistant apron. All other mixers, loaders, applicators and handlers must wear: Long sleeved shirt and long pants, Shoes plus socks, and Chemical-resistant gloves for all mixers and loaders and for applicators using handheld equipment.

  Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS:** User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Do not apply, allow to drift, or drain or flush equipment onto non-target areas.

**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. Exemption: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls over long sleeved shirt and long pants, Chemical-resistant gloves made of any waterproof material, Chemical-resistant footwear plus socks, Chemical-resistant headgear for overhead exposure.
NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only apply to this product that are NOT within the scope of the Worker Protection Standard (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Turf and Landscape Uses: Do not enter or allow others to enter the treated area until sprays have dried.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, contain/re-capture spillage and dispose of in accordance with the Pesticide Disposal instructions listed below.

Pesticide Disposal: Wastes resulting from the use of this product are toxic and may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. When all water soluble bags are used, dispose of empty foil package in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning.

If burned, stay out of smoke.

NO DATA AVAILABLE

A new edition of this material can be obtained at www.clearychemical.com.

Please note: Cleary Chemicals, LLC believes that the information and recommendations contained herein are accurate as of the date hereof. The information provided herein applies only to the specific product designated and may not be valid where said product is used in combination with any other material or in any process. It is the users responsibility to determine the suitability of the information for their purposes.

No warranty of fitness for any particular purpose, warranty of merchantability, or any other warranty, expressed or implied, is made concerning the information provided.

Reason for Issue: Update
Prepared by: Rick Fletcher
Effective date: 06/02/05
Replaces: 3/00

Effective Date: 11/07/09
NDA = No Data Available  NA = Not Applicable

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EMERGENCY PHONE NUMBERS:
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732-329-8399
24 Hour CHEMTREC
800-424-9300

PROSAR Effective Date: 11/07/09

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PROSAR Effective Date: 11/07/09

3336WP is a broad spectrum fungicide exhibiting preventative, curative, and systemic properties. It is useful on a wide variety of turf and ornamental disease problems. Apply 3336 WP with ground or overhead equipment, using sufficient volume of spray to provide thorough coverage. Do not apply with fixed wing or rotary aircraft. Use the higher rates under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules. This product is not for homeowner use and can only be used by individuals/licensed or registered by the state to apply ornamental or turf pest control products. Chernigation instructions follow “Directions For Use”. Read and follow these instructions carefully for this method of application.

Resistance Management: To avoid the development of tolerant strains of fungi, 3336 WP should be used with fungicides of different modes of action. Cleary Chemicals does not recommend the use of products containing this fungicide in combination with 3336 WP. These utilize similar chemistry and mode of action and can contribute to development of Disease tolerance. If, after using 3336 WP as recommended, and the treatment does not work, a tolerant strain of fungi may be present. Consult your local Cleary Chemicals representative, your State Agricultural Experiment Station, or your State Cooperative Extension Service for proper disease identification and advice on the prompt use of other suitable fungicide or disease control strategy. As long as recommended precautions are followed, 3336 WP can remain useful for disease control.

Mixing Instructions: 3336 WP consists of a protective outer resealable package containing water soluble bags. Do not allow the bags to become wet prior to adding to the tank. Do not handle water soluble bags with wet hands or wet gloves. Depending on the degree of agitation and water temperature, the water soluble bag should be completely dissolved within five minutes. Avoid adding bags near recirculation outlets as they might block recirculation. When adding bags to a high pH environment cause a shortened tank life for suspended product. The buffering of tank water to pH 6.7 prior to the addition of 3336 WP is recommended. Add required amount of 3336 WP to a partially filled tank (1/2 total volume) and agitate by recirculating an astatic means while adding the remaining required amount of water. Once the water soluble bags have completely dissolved, add tank mix product if used (see below). Continuous agitation is recommended to keep the material in proper suspension. For best results, use spray mixture the same day it is prepared.

Tank Mixing Instructions: 3336 WP is compatible with most commonly used pesticides. If tank mixing with other materials, add products in the following order: water soluble bags, wettable powders, dry flowables, liquid flowables, emulsifiable concentrates, and soluble materials such as fertilizers. No claim of compatibility with other products is implied. Do not mix tank mix with copper-containing materials or with highly alkaline pesticides, such as Bordeaux mixture or lime sulfur. Consult the intended tank mix partner product label for appropriate application rates and use instructions. Follow the label directions for the most restrictive of label precautions and limitations. This product cannot be mixed with any product containing a label prohibition against such mixing. Read and observe the most restrictive precautionary statement and other information appearing on product labels used in mixtures. 3336 WP may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance and should be avoided. Tank mix products containing boron or releasable free chlorine will affect the solubility of water soluble (PVA) film. Thoroughly rinse the spray tank of any boron containing spray solution prior to adding any water soluble bags. Even minimal carryover concentrations of boron in the spray tank may cause the water soluble bag material dissolved in water to precipitate and form insoluble residue inside the spray tank.

emeraldina™
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid
2. Prepare a suspension of product in the mix tank or stock bucket. Fill the tank with 1/2 or 3/4 of the desired amount of water. Start
1. Apply this product only through the following types of systems: sprinkler including center pivot, lateral move, end tow, side

NON SPECIFIC REQUIREMENTS
1. Remove scale, pesticide residue, and other foreign matter from the chemical tank and entire injector system. Flush with clean
2. Prepare a suspension of product in the mix tank or stock bucket. Fill the tank with 1/2 or 3/4 of the desired amount of water. Start
3. Maintain a gentle agitation in the mix tank during application to assure a uniform suspension. Follow mixing instructions and tank
4. Start system and then uniformly inject the suspension of 3336 WP into the irrigation line so as to deliver the desired rate per acre.
5. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.
6. The suspension of 3336 WP should be injected with a positive displacement pump into the main line ahead of a right angle turn

SPECIFIC REQUIREMENTS
1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back towards the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being drawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

SECTION 11: TOXICOLOGICAL INFORMATION
Oral (acute) LD50: > 7500 mg/kg (male rat); 6400 mg/kg (female rat)
Dermal (acute) LD50: > 10,000 mg/kg (rabbit)
Inhalation (acute): > 20.8 mg/L (LC50 rat 4 hour)
Chronic (oral): No oncogenicity, no observed effect level, 160 ppm in diet for two years (rat) and 50 mg/kg/day in single dose for two years (dog).
Subchronic (oral): No observable effect level, 1,600 ppm in diet for 180 days (rats and mice).
Subchronic (dermal): No effect on spermatogenesis, testosterone assimilation. Three generation study showed no evidence of effects on fertility, fecundity or offspring.
Mutagenicity: Ames, Mammalian Somatic, Cytogenicity, Dominant Lethal, DNA Damage/Repair, all test negative.
336 WP®

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Method): NA
Flammable Limits (vol % in air): NA
Autoignition Temperature: NA
Extinguishing Media: Carbon dioxide, foam, water, earth, dry chemical.
Special Fire Fighting Procedures: Self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled: Sweep up and dispose of in compliance with all federal, state and local laws.

SECTION 7: HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing: Store in original sealed containers in a cool dry area not accessible to children or unauthorized persons.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Protective Clothing: Long sleeve shirt, pants, or coveralls, shoes plus socks.
Eye Protection: Chemical goggles or safety glasses with side shields recommended when handling concentrate.
Ventilation: Use product outdoors or in a well ventilated area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fine, light tan powder, faint sulfur odor.
Boiling Point: NA
Vapor Pressure (@25° C): 7.12 x 10⁻⁸ mm Hg
pH: 6.5 - 8.0
Melting Point: 181.5 - 182.5° C
Freezing Point: 23° F
Bulk Density (25° C): 16 - 19 lb/ft³
Vapor Density: NA
Evaporation Rate: NA
Solubility in Water: Insoluble (dispersible)
% VOC: Zero

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable
Incompatible Materials: Highly alkaline materials, oxidizing agents, lime sulfur, bordeaux mixture, copper compounds.
Conditions to Avoid: NA
Hazardous Decomposition: Thermal decomposition generates oxides of nitrogen, sulfur, and carbon.
Hazardous Polymerization: NA

Effective Date: 11/07/09
NDI = No Data Available
NA = Not Applicable

SPRINKLER (OVERHEAD) CHEMIGATION

Observe all instructions in the Generic, Specific and Non-Specific requirements sections above and the following additional requirements:
1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. 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.

Set sprinkler system to deliver 1/10 to 1/4 inches of water per acre. Volumes of water higher than this may reduce efficacy. Application of more than recommended quantities of irrigation water per acre may result in decreased product performance. Where sprinkler distribution patterns do not overlap sufficiently, unacceptable disease control may result.

When system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained in a center pivot system, block the nozzle set nearest the well pivot injection unit to prevent spray being applied to this area. Allow sufficient time for pesticides to be flushed through all lines and all nozzles before turning off irrigation water.

FLOOD (BASIN) CHEMIGATION

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and deliver it in a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.
2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements: Observe all instructions in the Generic, Specific and Non-Specific requirements sections above and items 1 and 2 of the sprinkler irrigation requirements.

DRIP (TRICKLE) CHEMIGATION

Observe all instructions in the Generic, Specific and Non-Specific requirements sections above.

COMMERCIAL TURF APPLICATIONS

336 WP® may be used on all fine turf applications such as Commercial, Residential and Public (such as home lawns, parks, athletic fields, schools, and day care centers), and Golf Courses (greens, tees, fairways and aprons) of cool and warm season grasses such as Bentgrass, Bluegrass, Bermudagrass, Fescue, Ryegrass, St. Augustinegrass, Zoysiagrass, or their mixtures. 336 WP® is not phytotoxic to any of the above mentioned grasses when used in accordance with the label. 336 WP® is to be used for the prevention and control of the diseases mentioned below. It has both preventative and curative activity. Do not graze animals on treated turf. Do not feed clippings to livestock or poultry. Not for use on turf being grown for sale other commercial use as sod.

Application Instructions: Apply material with properly calibrated hand held, mechanical or motorized spray equipment or by chemigation through appropriate sprinkler irrigation systems. Spray uniformly over the area to be treated. Apply recommended amounts in sufficient water to obtain thorough coverage of treatment area (2-4 gal per 1,000 sq ft is suggested). When treating golf greens, always treat aprons. Use the highest recommended rate under conditions of severe disease pressure. For best results, apply after mowing or avoid mowing twelve hours after application. For root pathogens, lightly water the treatment area to move the fungicide into active root zone with one to two tenths inch of water. Excessive irrigation may move application below active root zone and reduce application effectiveness. Green design and drainage will influence irrigation practices. When tank mixing with contact action fungicides for foliar diseases, applications should be allowed to dry on leaf surfaces. Normal watering may proceed after sprays have dried.
Table 1: Maximum Individual Application Rates and Minimum Re-Treatment Intervals
Do not exceed the amounts per acre or reduce the re-treatment interval indicated below.

<table>
<thead>
<tr>
<th>Use Site</th>
<th>Maximum application rate of 3336 WP</th>
<th>Minimum Re-Treatment Interval</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential or Public Areas</td>
<td>5.44 lbs/Acre (2 oz / 1,000 sq.ft.)</td>
<td>14 days</td>
<td></td>
</tr>
<tr>
<td>Golf Course Tees Greens, Aprons</td>
<td>16.32 lbs/Acre (6 oz / 1,000 sq.ft.)</td>
<td>14 days</td>
<td></td>
</tr>
<tr>
<td>Golf Course Fairways– except Florida</td>
<td>10.88 lbs/Acre (4 oz / 1,000 sq.ft.)</td>
<td>14 days Excludes Florida</td>
<td></td>
</tr>
<tr>
<td>Golf Course Fairways– Florida Only</td>
<td>5.44 lbs/Acre (2 oz / 1,000 sq.ft.)</td>
<td>14 days Florida Only</td>
<td>Only one application per year</td>
</tr>
</tbody>
</table>

Table 2: Maximum Seasonal Application Rates
Do not exceed the following amounts of product per Acre per season.

<table>
<thead>
<tr>
<th>Use Site</th>
<th>Maximum Pounds 3336 WP per Acre per Season</th>
<th>Ounces 3336 WP per 1,000 sq.ft.</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential or Public Areas</td>
<td>21.76 lbs</td>
<td>8 oz.</td>
<td>4 Applications per year</td>
</tr>
<tr>
<td>Golf Course Tees Greens, Aprons</td>
<td>43.52 lbs</td>
<td>16 oz.</td>
<td></td>
</tr>
<tr>
<td>Golf Course Fairways– except Florida</td>
<td>10.88 lbs</td>
<td>4 oz.</td>
<td>Excludes Florida</td>
</tr>
<tr>
<td>Golf Course Fairways– Florida Only</td>
<td>5.44 lbs</td>
<td>2 oz.</td>
<td>Florida Only</td>
</tr>
</tbody>
</table>
### PLANT DIP APPLICATION

**Disease(s)** | **Rate of 3336 WP** | **Remarks**
--- | --- | ---
**Controlled** |   |   
**Plant or Cutting Diseases**
caused by: *Botrytis*, *Cylindrocladium*, *Fusarium*, *Gliocladium*, *Myrothecium*, *Penicillium*, *Ramularia*, *Rhizoctonia*, *Sclerotinia*, *Thielaviopsis* | 16-24 oz/100 gallon | Immerse plants or cuttings for 10-15 min. Remove and allow to drain. Note: Follow accepted hygiene practices to minimize the introduction and spread of water borne bacterial and water mold fungal diseases.

**Bulb, Corm, and Rhizome Rots**
caused by: *Botrytis*, *Cylindrocladium*, *Fusarium*, *Gliocladium*, *Myrothecium*, *Penicillium*, *Ramularia*, *Rhizoctonia*, *Sclerotinia*, *Thielaviopsis* | 16-24 oz/100 gallon | Soak cleaned bulbs for 15-30 min in warm solution (80-85°F). For storage disease prevention, treat bulbs preferably within 48 hours after digging. After treatment, dry well before storing. If bulbs are for forcing, treat bulbs that have been heat-cured. Note: Follow accepted hygiene practices to minimize the introduction and spread of water borne bacterial and water mold fungal diseases.

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### LIMITED WARRANTY AND DISCLAIMER

CLEARY CHEMICALS, LLC warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. To the extent consistent with applicable law, CLEARY CHEMICALS, LLC makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. To the extent consistent with applicable law, neither CLEARY CHEMICAL nor seller shall be liable for consequential, special or indirect damages resulting from the use or handling of this product including, but not limited to, loss of profits, business reputation, or customers, labor costs, or other expenses incurred in planting or harvesting. To the extent consistent with applicable law, CLEARY CHEMICAL and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of CLEARY CHEMICALS, LLC.

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### DISTRIBUTED BY:

**CLEARY CHEMICALS, LLC**

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DAYTON, NJ 08810-1501

800-524-1662

www.clearychemical.com

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### Table 3: Turf Disease Control

Observe the maximum individual application rates and maximum seasonal application limits in Table 1 and Table 2.

<table>
<thead>
<tr>
<th>Disease(s) Controlled</th>
<th>Rate of 3336 WP</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose, basal</td>
<td>4-6 oz/1,000 sq ft*</td>
<td>For prevention in historic areas of disease pressure, apply twice at 14 day intervals when soil temperature reaches 60°F. For curative control, apply when disease first appears and continue at 14 day intervals. Rotations and/or tank mix combinations with chlorothalonil or triadimefon can be utilized.</td>
</tr>
<tr>
<td>Anthracnose, foliar</td>
<td>2-4 oz/1,000 sq ft*</td>
<td></td>
</tr>
<tr>
<td>Gaeumannomyces graminis var. graminis</td>
<td>4-6</td>
<td>Apply in mid-July or when disease symptoms first appear and repeat at 14 day intervals for suppression. Use higher rates under most severe disease expression. Follow proper agronomic recommendations</td>
</tr>
<tr>
<td>Gaeumannomyces graminis var. avenae</td>
<td>4-6</td>
<td></td>
</tr>
<tr>
<td>Rhizoctonia cerealis</td>
<td>4-6</td>
<td>For prevention, apply in fall before turf has stopped all growth activity. Apply second application in early spring when soil temperatures reach 55-60°F or when disease first appears. For curative action, apply when disease first appears in early spring and continue at 14 day intervals.</td>
</tr>
<tr>
<td>Leptosphaeria korrea</td>
<td>4-6</td>
<td></td>
</tr>
<tr>
<td>Leptosphaeria korrea</td>
<td>4-6</td>
<td></td>
</tr>
<tr>
<td>Coprinus Snow Mold</td>
<td>4-6</td>
<td>Apply 2 treatments at 21 day intervals in late fall to early winter, with the last application made just prior to first permanent snow cover. Rotations and/or tank mix combinations with PCNB can be utilized.</td>
</tr>
</tbody>
</table>

---

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Protect™ and Spotrete™ are trademarks of Cleary Chemicals, LLC.

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### Disease(s) Controlled | Rate of 3336 WP oz/1,000 sq ft | Remarks
---|---|---
Dollar Spot | 2-4 | Apply when disease first appears and continue at 14 day intervals. Rotations and/or tank mix combinations with chlorothalonil, iprodione, or mancozeb (Protect™) can be utilized.
Large Brown Patch | 2-4 | 
Rhizoctonia solani | 
Ascochyta Leaf Blight | 
Ascochyta | 
Copper Spot | 
Gloeocercospora sorghi | 
Fusarium Patch | 
Fusarium nivale | 
Red Thread | 
Laetisaria fuciformis | 
Zosia Patch | 
Rhizoctonia solani | 
Fusarium Blight | 4-6 | Apply when disease first appears at 14 day intervals.
Fusarium roseum, F. triticum | 
Gray Leaf Spot (Blast) | 4-6 | Apply preventative application before expected period of disease development. Continue applications at 14 day intervals.
Pyricularia grisea | 
Leak Spot | 4-6 | Apply when disease first appears and make applications at 14 day intervals as needed. Rotations and/or tank mix combinations with chlorothalonil, iprodione, or mancozeb (Protect) are recommended under severe conditions.
Drechslera | 
Leaf, Crown, and Root Diseases | 
Bipolaris, Curvularia, Exserohilum | 
Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia | 
Pink Snow Mold | 2-4 | Apply in late fall to early winter before turf has stopped all growth activity. A second application may be used in combination with chlorothalonil, PCNB, or thiram (Spirotone™) at recommended rates before snow cover or during spring thaw.
Microdochium nivale | 
Rusts | 4-6 | Make two applications at 14 day intervals when disease first appears. Rotations and/or tank mix combinations with chlorothalonil or mancozeb (Protect) are recommended.
Puccinia, Uromyces | 
Stripe Smut | 4-6 | Apply at 14 day intervals when disease first appears. For prevention, apply in spring and fall.
Ustilago striiformis | 
SOIL DRENCH APPLICATION

| Disease(s) Controlled | Rate of 3336 WP oz/100 gallon | Remarks
---|---|---
Stem, Crown, and Root Rots caused by: | 8-16 | Apply as a drench or directed spray using hand held, mechanical or motorized spray equipment or as a chemigation drench or directed spray using applicable sprinkler irrigation systems after seeding or sticking of cuttings (8 fl oz) or after transplanting (12-16 fl oz) to propagation beds, containers, pots, trays, or nursery or landscape beds at a rate to thoroughly soak the growing media through the root zone. A general guide is 0.25-3.0 pints of finished mixture per sq ft depending on the media type and depth (about 4 fl oz per 4 inch pot or 8 fl oz per 6 inch pot). Repeat every 21-28 days for adequate crop protection.
Bolley, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia | 
Black Root Rot | Thiaveliapris | 
Thielaviopsis | 
Note: 3336 WP does not control Pythium or Phytophthora. Tank mix combinations with metalaxyl, mfenoxam, etridiazole, propamocarb, fosetyl-Al or mono and dipotassium salts of phosphorous acid are required for the control of Pythium and Phytophthora.
**CUCURBITS** (Cantaloupe, Casaba, Cucumbers, Melons, Pumpkins, Summer and Winter Squash, and Watermelons).

**General information**

<table>
<thead>
<tr>
<th>Disease/s</th>
<th>Rate of 3336 WP oz/1,000 sq ft</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer Patch: Magnaporthe poae</td>
<td>4-6</td>
<td>For prevention, apply 3 applications starting late April or early May using 21 day intervals. Rotations and/or tank mix combinations may be used as part of the three application program. For suppression, apply at 14 day intervals when disease first appears.</td>
</tr>
<tr>
<td>Bentgrass Dead Spot: Ophiostoma agrostis</td>
<td>4-6</td>
<td>For prevention, apply in early June or based upon local Extension Service recommendations. Apply at 14 day intervals. Rotations and/or tank mix combinations may be used for season long disease prevention.</td>
</tr>
</tbody>
</table>

Note: *For residential or public areas do not apply more than 2 oz per 1,000 sq. ft. per application.*

**COMMERCIAL HORTICULTURAL APPLICATIONS**

| NURSEY, GREENHOUSE, SHADE OR LATH HOUSE, LANDSCAPE & INTERIORSCAPE |

Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, Vegetable Transplants, plus Deciduous and Evergreen Trees and Shrubs

Do not apply to home orchard/fruit trees after fruit set. Do not use fruit, nuts or sap from treated trees as food or feed.

**Anthracnose**

<table>
<thead>
<tr>
<th>Disease/s</th>
<th>Rate of 3336 WP oz/1,000 sq ft</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colletotrichum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gummy Stem Blight</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Powdery Mildew</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Erysiphe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sphaerotheca</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Podosphaera</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Target Spot*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corynespora</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthracnose*</td>
<td>0.7 lbs/Acre</td>
<td>Begin applications when plants begin to run or when disease first appears, and repeat at 7 to 14 day intervals. For Target Spot use at 7 day intervals as needed.</td>
</tr>
<tr>
<td>Belly Rots*</td>
<td>0.7 lbs/Acre</td>
<td>Apply in sufficient volume to allow runoff to the soil. Will not control Pythium or Phytophthora.</td>
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<td>Colletotrichum</td>
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Note: The "Directions For Use" of this product reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied to any plant type not shown on this label but found in a similar use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. This product is not recommended for use on Swedish Ivy (Plectranthus australis), Boston Fern (Nephrolepis exaltata), and Easter Cactus (Hatiora gaertneri).

**Application Instructions:** Apply material with properly calibrated, hand held, mechanical or motorized spray equipment or by chemigation thorough appropriate sprinkler irrigation, flood, or drip systems. Begin applications when disease first appears and repeat at 7-14 day intervals or as needed during the growing season. Use the shortest interval when conditions are unusually favorable for the development of disease. For hand held, mechanical, or motorized applications, mix 8-24 oz of 3336 WP per 100 gal water and apply as a full coverage spray to drip for the prevention and control of the diseases listed below. Spray volume may range up to 400 gallons of finished spray per acre depending upon plant species and plant growth stage. For applications through irrigation systems, refer to use rates indicated in the foliar application chart.

*Not for this use in California.*
**SPECIAL INSTRUCTIONS FOR PROPORTIONAL INJECTORS**
(e.g. Dosatron, Dosmatic, Anderson, and similar equipment)

Determine the treatment rate for crop and pathogen from the foliar application table below. Determine the injection ratio for the individual system to be used for application. For systems using a 1:100 ratio, measure and add the exact amount of recommended material per 100 gallons to each gallon of water in a stock bucket or tank. For systems using a 1:200 ratio, multiply the recommended amount per 100 gallons by 2. For systems using a 1:50 ratio, divide the recommended amount per 100 gallons by 5. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time. An injection ratio of 1:100 is recommended for most greenhouse and nursery systems.

Do not apply with fixed wing or rotary aircraft.

<table>
<thead>
<tr>
<th>Disease(s) Application</th>
<th>Rate of 3336 WP</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FOLIAR APPLICATION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthracnose Colletotrichum</td>
<td>12-16 oz/100 gallon</td>
<td>Apply as buds break or at first sign of disease. Repeat at 7-14 day intervals as needed during disease period.</td>
</tr>
<tr>
<td>Black Spot of Rose Diplacarpus rosae</td>
<td>12-16 oz/100 gallon</td>
<td>Apply early summer or at first sign of disease. Repeat every 7-14 days as needed during disease period.</td>
</tr>
<tr>
<td>Brown Rot and Blight Monilinia, Sclerotinia, Wheetzallinia</td>
<td>12-16 oz/100 gallon</td>
<td>Apply late spring or at first sign of disease. Repeat every 7-14 days as needed during disease period.</td>
</tr>
<tr>
<td>Fusarium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.</td>
<td>12-16 oz/100 gallon</td>
<td>Apply as buds break. Repeat every 7-14 days as needed during disease period. Effective control requires coverage during leaf expansion. Rotations and/or tank mix combinations with mancozeb (Protect), chlorothalonil or propiconazole can be utilized. Do not use chlorothalonil or propiconazole can be utilized. Do not use fruit from treated crabapple or pear trees for food purposes.</td>
</tr>
<tr>
<td>Leaf Spots and Blights caused by: Acrochyta, Blumierella, Botrytis, Cercospora, Coccomyces, Corynespora, Curcularia, Didymellinia, Entomosporium, Fabraea, Fusarium, Ramularia, Rhizoctonia, Marssonina, Mycosphearae, Myrothecium, Phoma, Physalospora, Schizothyrium, Septoria, Sphaeloma</td>
<td>12-16 oz/100 gallon</td>
<td>Apply when disease symptoms first appear. Repeat every 7-14 days as needed during disease period. Rotations and/or tank mix combinations with mancozeb (Protect) or chlorothalonil can be utilized.</td>
</tr>
</tbody>
</table>

**VEGETABLE TRANSPLANTS:**
Not intended for field vegetable production.

<table>
<thead>
<tr>
<th>Vegetable Transplants</th>
<th>Diseases Controlled</th>
<th>Rate of 3336 WP</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beans, dry and succulent including: Lima bean, Snap bean, Kidney bean, Mung bean, Navy bean, Pinto bean, Wax bean, Broad bean, Fava bean, Asparagus bean, Blackeyed pea, Cowpea, Sweet lupine, White lupine, White sweet lupine, Grain lupine, Chick pea, Garbanzo bean</td>
<td>Anthracnose Colletotrichum</td>
<td>2.1 – 2.8 lbs/Acre</td>
<td>For one application: Apply when 100% of plants have at least one open bloom or when conditions are favorable for disease development.</td>
</tr>
<tr>
<td></td>
<td>Gray Mold Botrytis</td>
<td>or</td>
<td>or</td>
</tr>
<tr>
<td></td>
<td>White Mold Sclerotinia</td>
<td>1.4 – 2.1 lbs/Acre</td>
<td>For multiple applications: Make the first application when 10% to 30% of plants have at least one open bloom and follow with</td>
</tr>
</tbody>
</table>
**FIRST AID**

- **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

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

- **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

- **IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. For 24-Hour Emergency Assistance Call Chemtrec 1-800-424-9300.