

# 3336<sup>®</sup>GC

## TURF & ORNAMENTAL SYSTEMIC FUNGICIDE

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.

**GROUP 1 FUNGICIDE**

**ACTIVE INGREDIENT:**

Thiophanate methyl (dimethyl 4,4'-o-phenylenebis[3- thioallophanate]) ..... 2.08%

**INERT INGREDIENTS** ..... 97.92%

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

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**STATEMENT OF FIRST AID**

- **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 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 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

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS.**

- **CAUTION** – Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on the EPA chemical resistance selection chart.

- **WPS Uses:** Loaders, applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard, 40 CFR Part 170, must wear long-sleeved shirt, long pants, and shoes with socks. Chemical resistant gloves are required for applicators using hand held equipment.
- **NON-WPS Uses:** Loaders, applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard, 40 CFR Part 170, should wear appropriate clothing to reduce prolonged situations indicated in precautionary statements such as: long-sleeved shirt, long pants, and shoes with socks. Chemical resistant gloves are required for applicators using hand held equipment.

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.



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

Version: 09.27.07  
Amended: 10.30.06  
Replaces: 09.20.06

EPA Reg. No. 1001-70

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

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not

contaminate water by disposal of equipment washwaters. Do not apply, allow to drift, or drain or flush equipment onto non-target areas.

## DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. Do not apply this product in a way that will contact workers 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 pesticides.

### 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 statements and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval (REI). The requirements in this box 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.

Personal Protective Equipment (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, and chemical resistant footwear with socks. Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

### 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.

**Turf and Landscape Uses:** Do not enter or allow entry into treated areas until granules and dust have settled unless wearing personal protective equipment listed on this label.

#### 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 use in accordance with instructions below or dispose of in accordance with the Pesticide Disposal Instructions listed below.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Shake empty product container to remove all possible material. When bags are empty, they may be disposed of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## COMMERCIAL TURF AND ORNAMENTAL

#### GENERAL INFORMATION:

3336 GC 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 GC with ground based, hand operated (push) or mechanical (power) equipment sufficient to accurately deliver this product to the application site. Do not apply by hand or with hand held rotary spreader (e.g. bellygrinder). Application equipment should be properly calibrated prior to use. Application equipment should be thoroughly cleaned after use. If a rate range is given, use the higher rate under conditions of severe disease pressure. Contact your local State Extension service for recommendations for application schedules appropriate to your area.

This product is not for homeowner use and can only be used by individuals/firms licensed or registered by the state to apply ornamental or turf pest control products. No claim of compatibility with other pesticides is implied. Do not apply this product through any type of irrigation system.

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

### COMMERCIAL TURF APPLICATIONS

For use 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. 3336 GC is not phytotoxic to any of the above mentioned grasses when used in accordance with the label. 3336 GC is to be used for the prevention and control of the diseases mentioned below. 3336 GC may be applied to dry or moist leaf/soil conditions and should be activated with irrigation or natural rainfall within 24 hours for best results. If irrigated, application should be watered in by applicator with 0.1-0.25 inches of water to begin activation of product for disease control. When treating golf greens, treatment of aprons is recommended. Use the highest recommended rate under conditions of severe disease pressure. Do not graze animals on treated turf. Do not feed clippings to livestock or poultry.

**TABLE 1:  
Maximum Individual Application Rates and Minimum Re-Treatment Intervals.**

Use site	Maximum application rate of 3336 GC	Minimum re-treatment interval	Comments
Residential or Public Areas	131 Lbs/Acre (3 lbs / 1,000 sq.ft.)	14 days	
Golf Course Tees, Green, Aprons	392 Lbs/Acre (9 lbs / 1,000 sq.ft.)	14 days	
Golf Course Fairways- except Florida	262 Lbs/Acre (6 lbs / 1,000 sq.ft.)	14 days	Excludes Florida
Golf Course Fairways- Florida Only	131 Lbs/Acre (3 lbs / 1,000 sq.ft.)	14 days	Florida Only Only One Application Per Year

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

Use site	Maximum Pounds 3336 GC per Acre per Season	Pounds 3336 GC per 1,000 sq.ft.	Comments
Residential or Public Areas	523 lbs.	12 lbs.	4 Applications per year
Golf Course Tees, Green, Aprons	1048 lbs.	24 lbs.	
Golf Course Fairways- except Florida	262 lbs.	6 lbs.	Excludes Florida
Golf Course Fairways- Florida Only	131 lbs.	3 lbs.	Florida Only

**TABLE 3:  
Turf Disease Control**

Disease(s) controlled	Rate of 3336 GC lb/1,000 sq ft	Remarks*
<b>Anthracnose, basal</b> <i>Colletotrichum graminicola</i>	6-9	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 with chlorothalonil or triadimefon can be utilized.
<b>Anthracnose, foliar</b> <i>Colletotrichum graminicola</i>	3-6	
<b>Bermudagrass Decline</b> <i>Gaeumannomyces graminis</i> var. <i>graminis</i>	6-9	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 to maintain plant vigor
<b>Take-All Patch</b> <i>Gaeumannomyces graminis</i> var. <i>avenae</i>		
<b>Cool Season Brown Patch</b> <i>Rhizoctonia cerealis</i>	6-9	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.
<b>Necrotic Ring Spot</b> <i>Leptosphaeria korrea</i>		
<b>Spring Dead Spot</b> <i>Leptosphaeria korrea</i>		

**TABLE 3: (continued)**

Disease(s) controlled	Rate of 3336 GC lb/1,000 sq ft	Remarks*
<b>Coprinus Snow Mold</b> <i>Coprinus psychromorbidus</i>	6-9	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 with PCNB can be utilized.
<b>Dollar spot</b> <i>Moellerodiscus, Lanzia, Sclerotinia</i>	1.5-6	For prevention, use lowest rate and apply application before expected period of disease development. Apply when disease first appears and continue at 14 day intervals. Rotations with chlorothalonil, iprodione, or mancozeb (Protect™) can be utilized.
<b>Large Brown Patch</b> <i>Rhizoctonia solani</i>		
<b>Ascochyta Leaf Blight</b> <i>Ascochyta</i> spp.		
<b>Copper Spot</b> <i>Gloeocercospora sorghi</i>		
<b>Red Thread</b> <i>Laetisaria fuciformis</i>		
<b>Fusarium Patch</b> <i>Fusarium nivale</i>		
<b>Zoysia Patch</b> <i>Rhizoctonia solani</i>		
<b>Fusarium Blight</b> <i>Fusarium roseum, F. triticum</i>	6-9	Apply when disease first appears at 14 day intervals.
<b>Gray Leaf Spot (Blast)</b> <i>Pyricularia grisea</i>	6-9	Apply preventative application before expected period of disease development. Continue applications at 14 day intervals as needed.
<b>Leaf Spot</b> <i>Drechslera</i> spp.	6-9	Apply when disease first appears and make applications at 14 day intervals as needed. Rotations with chlorothalonil, iprodione, or mancozeb (Protect) are recommended under severe conditions.
<b>Leaf, crown, and root diseases</b> <i>Bipolaris, Curvularia, Exserohilum</i>		
<b>Pink Snow Mold</b> <i>Microdochium nivale</i>	3-6	Apply middle-late fall to early winter before turf has stopped all growth activity or in spring during periods of thaw, or when disease symptoms first appear. Continue at 14 day intervals throughout anticipated disease period. Best results are achieved when first application is made before turf is completely dormant.
<b>Stripe Smut</b> <i>Ustilago striiformis</i>	6-9	Apply when disease first appears and make two applications at 14 day intervals. For prevention, apply in spring and fall.
<b>Summer Patch</b> <i>Magnaporthe poae</i>	6-9	For prevention, apply 3 applications starting late April or early May using 21 day intervals. Rotations may be used as part of the three application program. For suppression, apply at 14 day intervals when disease first appears.
<b>Bentgrass Dead Spot</b> <i>Ophiosphaerella agrostis</i>	6-9	For prevention, apply in early June or based upon local Extension Service recommendations. Apply at 14 day intervals as needed. Rotations and/or tank mix combinations may be used for season long disease prevention.

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

**TABLE 4: Guide to 3336 GC Recommended Spreader Settings\***

These settings are presented as a guide for use. Age, condition of spreader and operator speed will cause variation in applied rates of material. Spreader calibration at the beginning of each application is strongly recommended.

SPREADER	Speed (MPH)	Swath (FT)	Cone Set	Pounds of 3336GC Applied per 1,000 Square Feet		
				3	6	9
Lesco Rotary	3	9	-	9	12	14
Cyclone	3	8	-	3.5	4.2	4.7
Scotts R-8A	3	11	4	H ½	J ½	L
Scotts R-8A1	3	11	4	H	J ½	L
Scotts AccuPro 2000	3	11	4	H ½	K	L ½
Scotts SR 2000	3	11	4	H ½	K	L ½
Spyker	3	8	-	3.5	4.2	4.7
PrizeLAWN CRB III & Big Foot	3	8	-	F	H ½	J
PrizeLAWN CRB II	3	8	-	2.5	3.5	4
Earthway	3	9	-	16	21	26
Precision Broadcast	3	9	-	1	1.5	3
Precision Drop	3	2	-	0	0.5	0.75
Gandy Model 24	3	2	-	20	23	25
Gandy Model 36	3	3	-	20	23	25
Gandy Model 42	4.5	3.5	-	22	25	28
Gandy 6500 Series	4.5	4 to 8	-	16	23	28
Lely H/R (2)*	4.5	18	III-B	2.25	3	3.5
Lely W(2)*	4.5	18	III-B	2.25	3	3.5
Vicon 03 Series*	4.5	18	-	11	16	21
Vicon 03 Series*	4.5	34	-	16	24	30

\*SGN = 70

## COMMERCIAL HORTICULTURAL APPLICATIONS

**Nursery, Greenhouse, Landscape & Interiorscape  
Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground  
Covers, plus Deciduous and Evergreen Trees and Shrubs.**

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

3336 GC is a broad spectrum systemic fungicide which controls a variety of foliar, stem, and root diseases on a wide range of commercially important plants. 3336 GC may be used for disease control and prevention programs on annual and perennial flowers, bedding plants, foliage plants, ground covers, and deciduous and evergreen trees and shrubs found in Nursery, Greenhouse, Interiorscape, and Landscape sites. Follow guidelines provided under general information for use of this product.

### Application Instructions

3336 GC may be used as a broadcast, fly-on, surface, over the top, and media incorporation application for the diseases listed below. For surface and broadcast applications to established plants apply at the rates below. 3336 GC may be applied to dry or moist soil conditions and should be activated with irrigation or natural rainfall within 24 hours for best results. If irrigated, application should be watered in by applicator with 0.1-0.25 inches of water to begin activation. For media incorporation, mix at a rate of 2-3 lb/cu yd before seeding or transplanting of desired crop. Media incorporated with 3336 GC may be stockpiled for later use without activation until needed. For ground applications, do not exceed 300 pounds active ingredient per acre per crop season from all thiophanate-methyl containing products.

**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 exhalta*), and Easter Cactus (*Hatiora gaertneri*).

Disease(s) controlled	Rate of 3336 GC lb/1,000 sq ft	Remarks
For control of soil borne diseases effecting Bulbs, Corms, Rhizomes, Roots, Crowns and Stems caused by: <i>Botrytis, Cyliodrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, and Thielaviopsis</i>	22-30	For preventative control, apply as media incorporation prior to planting or as broadcast, fly-on, surface, or over the top application after seeding or transplanting to propagation beds, containers, pots, or nursery or landscape beds. For curative control, apply after seeding or transplanting when disease first appears. Repeat every 21-28 days for adequate crop protection. Note: 3336 GC does not control <i>Pythium</i> or <i>Phytophthora</i> . Rotations with metalaxyl, mefenoxam, etridiazole, propamocarb, mono and dipotassium salts of phosphorous acid or fosetyl-AL are required for the control of <i>Pythium</i> and <i>Phytophthora</i> .

3336® is a registered trademark of Cleary Chemical Corporation.  
Protect™ is a trademark of Cleary Chemical Corporation.

### LIMITED WARRANTY AND DISCLAIMER

CLEARY CHEMICAL CORPORATION 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 CHEMICAL CORPORATION 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. 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 CHEMICAL CORPORATION.