Howard Johnson's

T-Methyl Granular

Systemic Fungicide for Turf and Ornamentals

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])	2.08%
OTHER INGREDIENTS	97.92%
TOTAL:	100.00%

EPA Reg. No. 53883-183-32802
EPA Est. No 59144-GA-1 (A), 32802-MO-1(B), 37351-CO-1 (C)

Manufactured for: Howard Johnson's Enterprises, Inc.
9675 S 60th Street, Franklin, WI 53132

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 treatment advice.
If Swallowed	•Call a poison control center or doctor immediately for treat ment 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.
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	•Take off contaminated clothing. •Rinse skin immediately or clothing with plenty of water for 15-20 minutes. •Call a poison control center or doctor for treatment advice.

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 SafetyCall 1-866-897-8050 for emergency treatment information.

For spill or transportation emergencies call CHEMTREC (1-800-424-9300).

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION - Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, and neoprene rubber ≥ 14 mils. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus 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. 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:

Users Should:

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

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or 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 wash water.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any other requirements specific to your State or Tribe, consult the agency responsible for pesticides.

For use only by certified applicators or those under their immediate supervision. Not for use on turf being grown for sale or other commercial use as sod.

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 entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

•Coveralls 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

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

NON-AGRICULTURAL USE REQUIREMENT

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

COMMERCIAL APPLICATIONS

GENERAL INFORMATION

T-Methyl Granular is a broad-spectrum fungicide for use on a wide variety of turf and ornamental diseases. T-Methyl Granular may be applied using ground based, hand-operated (push) or mechanical (power) equipment; do not apply this product by hand or with handheld rotary spreader (e.g., bellygrinder).

USE PRECAUTIONS

- 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.
- Do not apply this product through any type of irrigation system.
- Do not use on turf being grown for sale or other commercial use as sod.
- Do not graze animals on treated turf.
- Do not feed clippings to livestock or poultry.
- Use only properly calibrated application equipment when applying this product.
- Thoroughly clean all application equipment after each use.
- For application schedules appropriate to your area, contact your local State Extension Service for recommendations.
- This product is not guaranteed to be compatible with any other pesticides.

RESISTANCE MANAGEMENT

In order to prevent the development of tolerant strains of fungi, T-Methyl Granular should only be used with other fungicides that use different modes of action. Howard Johnson's Enterprise, Inc. does NOT recommend using T-Methyl Granular with products containing the active ingredient thiabendazole because thiabendazole has a similar chemistry and mode of action and can contribute to the development of disease tolerance. T-Methyl Granular can remain useful for disease control as long as recommended precautions are followed. A tolerant strain of fungi may be present if a T-Methyl Granular treatment is found to be ineffective and you should promptly contact your State Agricultural Experiment Station or State Cooperative Extension Service for disease identification and advice on other suitable fungicide or disease control strategies.

MAXIMUM APPLICATION RATES AND MINIMUM RETREATMENT INTERVALS

Refer to the following table for the maximum treatment and seasonal application rates allowed based on the use site being applied to.

Net Weight 30 lbs (13.61 kg)

Use Site	Maximum Per-Treatment Application Rate	Maximum Per-Season Lbs. /1000 sq ft	Minimum Retreatment Interval
Residential or Public Areas*	131 lbs/ acre (3 lbs/1000 sq ft) 523 lbs	12 lbs	14 days
Golf Course Aprons, Greens and Tees	392 lbs/ acre (9 lbs/1000 sq ft) 1048 lbs	24 lbs	
Golf Course Fairways (except Florida)	262 lbs/ acre (6 lbs/1000 sq ft) 262 lbs	6 lbs	
Golf Course Fairways (Florida only)**	131 lbs/ acre (3 lbs/1000 sq ft) 131 lbs	3 lbs	

*Maximum of four (4) applications per year.
**Maximum of one (1) applications per year.

COMMERCIAL TURF APPLICATIONS

T-Methyl Granular may be used on all cool and warm season grasses such as Bentgrass, Bluegrass, Bermudagrass, Fescue, Ryegrass, St. Augustinegrass, Zoysiagrass, or their mixtures in the following sites:

- •Commercial turf
- •Residential turf
- •Public turf (parks, athletic fields, schools, day care centers, etc.)
- •Golf courses (greens, tees, fairways and aprons)

When used in accordance with the instructions in this label, T-Methyl Granular is not phytotoxic to any of the above-mentioned grasses.

Application Instructions

- •Apply under dry or moist leaf/soil conditions.
- •For best results, activate the application within 24 hours with irrigation or natural rainfall. If activating by irrigation, apply 0.10-0.25 inches of water.
- •Treating aprons when treating golf greens is recommended.

Refer to the following table for specific rates and timing depending on the disease being treated. When treating under severe disease pressure, use the highest recommended rate listed.

COMMERCIAL HORTICULTURAL APPLICATIONS

T-Methyl Granular is a broad spectrum systemic fungicide for control of soil borne diseases effecting bulbs, corms, rhizomes, roots, crowns, and stems caused by:

- *Botrytis*
- *Cylindrocladium*
- *Fusarium*
- *Glicocladium*
- *Myrothecium*
- *Penicillium*
- *Ramularia*
- *Rhizoctonia*
- *Sclerotinia*
- *Thielaviopsison*

T-Methyl Granular may be used 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. When using this product for commercial horticultural applications, be sure to follow the guidelines in the General Information Section above.

NOTE: Because T-Methyl Granular does not control Pyhthium or Phytophthora, rotating with metalaxyl, mefenoxam, etridiazole, propamocarb, mono and dipotassium salts of phosphorous acid or fosetyl-Al is required to control *Pythium* and *Phytophthora*.

USE PRECAUTIONS

- •This product is not recommended for use on Swedish Ivy *(Nephrolepis exhalta)*, Boston Fern *(Plectranthus australis)*, and Easter Cactus *(Hatiora gaertner)*.
- •Do not apply to home orchards / fruit trees after fruit set.
- •For ground applications, do not exceed 300 pounds active ingredient from ALL thiophanate-methyl containing products per acre per crop season.
- •For cut flowers, the maximum application rate is 0.5 pounds active ingre dient per acre per application.
- •Because it is impossible to test this product on all species and cultivars, a preliminary trial on a small scale is recommended before a full treatment is applied to any plant type not shown on this label. When conducting the trial, wait 5-7 days after treatment to evaluate results.

Application Instructions

T-Methyl Granular may be applied as a surface, fly-on, broadcast or over-the-top application or media incorporated.

Surface and Broadcast Applications to established plants:

- •Apply 6 lbs. of T-Methyl Granular / 1000 sq. ft.
- •Apply under dry or moist leaf / soil conditions.
- •For best results, activate the application within 24 hours with irrigation or natural rainfall. If activating by irrigation, apply 0.10-0.25 inches of water.

Media Incorporation:

- •Mix at a rate of 2-3 lb/cubic yards before seeding or transplanting of desired crop.
- •If not activated by the application of moisture, media incorporated with T-Methyl Granular may be stockpiled until needed for later use.

For Preventive Control:

- •Prior to planting, apply as a media incorporation using the rate listed above.
- •After seeding or transplant to propagation beds, containers, pots, or nurs ery or landscape beds, apply as a broadcast, fly-on, surface or over the top application using the Surface and Broadcast Applications instructions above.

For Treatment:

- •When disease first appears after seeding or transplanting, apply using the Surface and Broadcast Applications instructions above.
- •To maintain protection, make repeat applications every 21-28 days.

Diseases(s)	Disease Specific Instructions	Application Rate Lbs. / 1000 sq ft
Dollar Spot, *Moellerodiscus, Lanzia. Sclerotinia* **Large Brown Patch,** *Rhizoctonia solani* **Ascochyta Leaf Blight** *Ascochyta spp* **Copper Spot** *Gloeocercospora Sorghi* **Red Thread** *Laetisaria fuciformis* **Fusarium Patch** *Fusarium Nivale* **Zoyzia Patch** *Rhizoctonia solani*	**For Prevention:** Apply prior to the expected development of the disease using the lowest rate listed. **For Treatment:** Apply when disease first appears and repeat applications every 14-days. **NOTE:** May be rotated with chlorothalonil, iprodione, or mancozeb (Protect™).	1.5-6
Pink Snow Mold *Michrodochium nivale*	Make first application prior to cessation of turf growth activity in middle-late Fall or early Winter, or in Spring during periods of thaw, or when disease symptoms first appear. Throughout the expected disease period, continue making applications at 14-day intervals. For best results, make the first application before the turf is completely dormant.	3-6
Anthracnose, foliar *Colletotrichum graminicola* **Anthracnose, basal** *Colletotrichum graminicola*	**For Prevention:** Once soil temperature reaches 60°F, make two applications at 14-day intervals. **For Treatment:** Apply at first sign of disease and continue applications at 14-day intervals. **NOTE:** May be rotated with chlorothalonil or triadimefon.	3-6 6-9
Bermudagrass Decline *Gaeumannomyces graminis var. graminis* **Take-All-Patch** *Gaeumannomyces graminis var. aavenae*	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.	6-9
Cool Season Brown Patch *Rhizoctonia cerealis* **Necrotic Ring Spot** *Leptosphaeria korrea* **Spring Dead Spot** *Leptosphaeria korrea*	**For Prevention:** Apply in the fall prior to cessation of turf growth. Make a second application in early Spring when disease first appears or when soil temperatures reach 55-60°F, whichever occurs first. **For Treatment:** Apply in early Spring when disease first appears and repeat applications every 14-days.	6-9
Coprinus Snow Mold *Coprinus psychromorbidus*	Make two treatments at 21-day intervals in late fall to early winter. Make the last application just prior to first permanent snow cover. **NOTE:** May be rotated with PCNB.	6-9
Fusariuim Blight *Fusaarium roseum and F. triticum*	Apply when disease first appears. Make repeat applications at 14-day intervals.	6-9
Gray Leaf Spot (Blast) *Pyricularia grisea*	Make a preventative application prior to the expected onset of disease development. Continue applications at 14-day intervals as needed.	6-9
Leaf Spot *Drechslera spp* **Leaf, Crown, and Root Diseases** *Bipolaris, Curvularia, and Exsembilum*	Apply when disease first appears and make applications at 14-day intervals as needed. **NOTE:** For severe cases, rotations with cholorothalonil, iprodione, or mancozeb (ProtectTM) are recommended.	6-9
Strip Smut *Ustilago striiformis*	**For Prevention:** Apply in spring and fall. **For Treatment:** Make two applications, the first when the disease first appears and the second 14-days later.	6-9
Summer Patch *Magnaporthe poae*	**For Prevention:** Using a 21-day reapplication interval, make three applications starting in late April or early May. **For Treatment:** Apply at 14-day intervals when disease first appears. Rotations may be used as part of the three-application program.	6-9
Bentgrass Dead Spot *Ophiosphaerellia agrostis*	Apply in early June or when recommended by your local Agricultural Extension Service. Reapply at 14-day intervals as needed. For season- long disease prevention, rotations and/or tank mix combinations may be used.	6-9

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in the original container in a dry place. Store in locked area out of reach of children and domestic animals.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spilled bait, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Offer for recycling, if available. If recycling is not available, then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY STATEMENT

Howard Johnson's Enterprises, Inc., warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Howard Johnson's Enterprises, Inc.. To the extent allowed by law, Howard Johnson's Enterprises, Inc.. shall in no event be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. Except, as expressly provided herein, Howard Johnson's Enterprises, Inc.. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at Howard Johnson's Enterprises, Inc. election, the replacement of this product.

53883-183 CSI 08-20-09(hje 11-05-12)