PM21 4581-372 Pg. 1014

NOT FOR USE IN CALIFORNIA

TOPSIN°M 85WDG

FOR TURF AND ORNAMENTALS

Thiophanate-Methyl Fungicide 85% Water Dispersible Granule

ACCEPTED

ACTIVE INGREDIENT:

Dis(cardamate)) Usiertie Prime bereits, Impails (61)

. 85% . 15%

100%

TOTAL:

Also known as dimethyl 4,4'-O-phenylenebis[3-thioallophenate]

*TOPSIN is a registered trademark of Nippon Soda Company, Ltd., and is licensed to Atochem North America and is covered by one or more of the following U.S. Patents: 3,769,308; 3,856,847; 4.020,095; and 4,029,813.

KEEP OUT OF REACH OF CHILDREN CAUTION STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, induce comiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.

IF IN EYES, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

IF ON SKIN, immediately flush skin with plenty of water. Get medical attention if irritation persists.

See brochers attached to container for other precautionary statements, Directions for Use, and Chemigation Instructions

ATOCHEM
HORTH AMERICA

LISS 1-372

EPA Reg. No. 4581-37

NET CONTENTS 3.3 Lbs/1.5 Kg:

Sold by:

AGCHEM DIVISION—ATOCHEM NORTH AMERICA Philadelphia, PA 19102

BEST AVAILABLE COPY

Topsin M 85WDG

DIRECTIONS FOR USE ON TURF AND ORNAMENTALS

DIRECTIONS FOR USE

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

TURF

For use on golf course greens, taes, and fairways of Bentgrasses, Bluegrasses, Bermudagrasses, Fescues, Ryegrasses, St. Augustine grasses, or their mixtures. TOPSIN M is not phytotoxic to any of the above mentioned grasses when used in accordance with the label. TOPSIN M is to be used for the prevention and control of the below mentioned diseases (provides both curative and protective action).

Use spray mixture the same day it is prepared. Spray uniformly over the area to be treated. Apply after mowing or avoid mowing for twelve hours after application.

Apply recommended amounts in sufficient water to obtain thorough coverage, usually five gallons per 1,000 square feet of turf area. When treating golf greens, always treat aprons and approaches. Use the highest recommended rate under conditions of severe disease pressure.

FUSARIUM BLIGHT (Fusarium roseum) - Apply TOPSIN M at 2 2/5 to 4 4/5 ounces per 1,000 square feet. Water into the root zone by irrigating with one inch of water immediately after application. Make two applications at 10 to 14-day intervals, beginning applications when the disease first appears.

DOLLAR SPOT (Sclerotinia homoecarpa) - COPPER SPOT (Gloeocercospora sorghi) - Apply TOPSIN M at 3/5 to 1 1/15 ounces per 1,000 square feet beginning when the disease first appears and continue at 10 to 14-day intervals through the season or as needed.

LARGE BROWN PATCH (Rhizoctonia solani) - Apply TOPSIN M at 5/5 to 1 1/15 ounces per 1,000 square feet beginning when the disease first appears and continue at 10 to 14-day intervals through the season or as needed. When conditions are unusually favorable for development of disease, reduce interval to 5 to 7 days.

STRIPE SMUT (Ustilago striiformis) - Apply TOPSIN M at 2:2/5 to 4 4/5 ounces per 1,000 square feet. Water into the root zone by irrigating with one inch of water immediately after application. Make two applications at 14 to 21-day intervals. Begin applications when the disease first appears, either in the spring or fall.

BEST AVAILABLE CUPY

ORNAMENTALS, ROSES, FLOWERS, SHADE TREES (FIELD AND GREENHOUSE)

FOLIAR SPRAY: Begin applications when disease first appears and repeat at 10 to 14-day intervals throughout the growing season; shorten interval during humid, rainy weather.

Use at the following rates:
Use 0.4 pound per 100 gallons for Powdery Mildew and Botrytis Gray Mold.

Use 0.8 pound per 100 gallons for Anthracnose (for shade trees and woody ornamentals, begin at bud break and make 2 or 3 additional applications at 10 to 14-day intervals); Black Spot of roses; Cercospora, Entomosporium, Ramularia, and Septoria Leaf Spots; Ascochyta and Phomopsis Blights; Didymellina Leaf Spots of iris; Corynespora Leaf Spot of ligustrum; Ovulinia of azalea and rhododendron (begin as flowers open); Scab of pyracantha and flowering crab.

Addition of a surfactant to the spray mixture improves distribution of the spray on hard-to-wet plants such as roses. For aerial application, use 0.4 to 0.8 pound per acre.

DRENCH TREATMENT: Botrytis, Fusarium, Rhizoctonia, and Sclerotinia stem, crown, and root rots on herbaceous annuals, perennials, and bedding plants; Cylindrocladium and Thielaviopsis rcts on woody ornamentals such as azaleas, rhododendrons, conifers, and poinsettias - Use 0.8 pound per 100 gallons; apply as a drench or heavy spray (1 to 2 pints per square foot) after transplanting into propagation beds or containers. Repeat at 2 to 4 week intervals during periods favorable for disease. TOPSIN M does not control Pythium spr. or Pytophthora spp.

PREPLANT DIP TREATMENT: Plants or Cuttings - For diseases listed under Drench Treatment, use 0.8 pound per 100 gallons of water; immerse plants or cuttings for 10 to 15 minutes; remove and allow to drain.

(

Bulbs (Easter Lily, Tulip, Gladiolus, Daffodil, Iris) Fusarium and Penicillium Rots - Use 1.4 pounds per 100 gallons of water. Soak cleaned bulbs for 15 to 30 minutes in warm dip (80° to 85°F) preferably within 48 hours after digging. Dry bulbs after treatment. If bulbs are for forcing, treat bulbs that have been heat-cured.

GENERAL INFORMATION

Apply TOPSIN M with ground or sarid equipment, using sufficient volume of spray to provide thorough coverage. Add required assent of TOPSIN M to partially filled to 's agrided by mechanical or hydraulic means, and then add remaining required amount of water. Commuous apitation is required to keep the autual in suspension. Do not tank mix with highly alkaline pesticides, such as Bordenius meture or time suffur. No claim of compatability with other assistides is implied. Use the higher site under conditions of severe disease pressure. Also, see local State Extension Service incommendations for application schedules

DIRECTIONS FOR USE

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

Chemication instructions follows system unless these instructions are followed Do not apply through any irrigation

Do not order freshed areas without protective clothing until spray has dried. Because certain states may require more restrictive numery intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or eral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, such warnings shall be given in a language customeraly understood by the workers. Oral warnings must be given if there is reason to believe that written writings cannot be understood by the workers Written warmings must include the following information: "CAUTION: Area treated with TOPSIN M 85WOG Throphanate-methyl Fungerde on (date of application)"

CHEMIGATION **GENERAL INSTRUCTIONS**

by ampaison systems including center prvot, lateral move, and few, Apply this product only through sunniouts (wheel) rail, bravater, bug guin, sailed set, or hand move. Do not apply thus product through any other type of irrespon syste

Cross sepury, tack of effectiveness, or diagol postures residues in the crop can result from nonunity ACINDAM O TRAME

If you have any questions about calibratus, you should contact State Extension Service specialists, equipment

A purpor browledgealite of the changelon system and responsible for its operation, or under the supervision of the responsible person, shall shuf the system deem and make necessary adjustments should the need arms. Do not connect champaton system to any public water system. Public water system means a system for

the provision of proof water by human as on if such system has at least 15 service connections or requirity somes are average of all least 25 individuals disty at least 60 days out of the year

SYSTEM REQUIREMENTS

Systems withing a pressurated water and positions reported matter must meet the following requirements System was registed as functional duck use, whose values who are in the present of an appropriately case or the implicit population points to present output solving a functional duck use, whose makes who who are the pressure draw appropriately cased on the implicit population populate to present output contains and the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the present output cased on the implicit population of the implicit popu

The postcode imprison popular must exist a functional, automatic, quick-closing check valve to prevent the flow of fluid back lowers the experime pump.

The pushcula infection position must also earlies a functional, normally closed, softword-operated visits located on the infection of the system interfact to prevent fluid from being withdrawn from the supply last visit the engates system is offer automatically or manufact down. The system must contain functional inheliciting contents to automatically shut off the positions injection.

ng when the will burns make stage. the par at a later broad sortly support I processed buschess are

oter when the within scenary document in the past where positions dispripation in advancely affected. Syntams must not a metatrog pump, such as a positive displacement impostum pump (e.g., displacement pump). Technoly designed and constructed of automits that are compatible with posturates and cispable of hump final th a system entertack. oth a syste

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION:

Observe the requirements in the System Reparaments section above

Do not apply which which should brook delt beyond the area intended for treatment

Apply TOPSHI M only through systems containing still-system and check values designed to provent under
sorte contamonation or exerting of the six task and contaming interfacions controls between the motoring

res and the water pump to incure <u>members s</u>uch off. Marriate a gentle continuent aglicitus is one tank during making and application by assure a uniform

Greater Statemen in cultivation and distributes will be achieved by interview a because observed a many officer an gar w

Application of more than recommended execution of missions water per zone may result in decreased product

The next apply which word aparel favors dell, when system connections or fillings last, when nextice do next over an impry street was in process arms, arms agreem connectants of Milings lieds, when nectain die definitive enformed the Bushed and must be demonsted the product connect be Bushed and must be demonsted the granded. In a context phost system, black the nectab sel nearest the well-provide processor and to prevent appray may applied to that area.

registration distribution patients do est overlap sufficiently, processphists disease curded may result. Allow sufficient little for posticule to be facual through all bras and all negate before furning off origination

TOPSIN M may be applied in conjunction with chamically neutral liquid tertitions. Application in comparation with highly effective furtileors, such at agreem anymore, may counts a depreciation of the posterior, resulting in replaced performance and almost be posterior.

Check food matrictions and requirement reporting specifier brigation applications, as they may very from

SPRAY PREPARATION

langer state, perte A will disco with House resident, and other farnism matter from the channess tank and afters equator system

i propertien of TOPSIII III is a site test. Fill the test with 14 or 14 the desired arreant of unity rited of hydraufic aghillan. Busily add the required amount of TOPSIII III and then the renearing

APPLICATION INSTRUCTIONS

But apprent system to deliver 0.1 to 9.25 basins of order per acro. Valurace of order higher than this may place differency. Short apprentic and then enthymoly inject the comparedon of TOPSHI til into the irrigation orange He as as to deliver the descript rate per acro. The companions of TOPSHI til placety to rejected with a province highconness pump into the mass the placet of a right origin turn to interes adequate manage.

MITTE When brainford with TOPSHI III has been complited, do not extend the tracket are for 24 to 44 hours applications the chartest off the page

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

HARMFUL IF SWALLOWED, ABSORBED THROUGH 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. Remove contaminated clothing and wash before reuse.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water or wetlands. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

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

Storage Instructions: Store in the original container in a dry 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, sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

Pesticide Disposal instructions: Wastes resulting from the use of this product may be disposed of on site or at An Approved waste discosal facility.

Container Disposal Instructions: After bag has been emptied, dispose of empty beg in a sentury landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke

WARRANTY AND DISCLAIMER

Alaction North America warrants that this material conforms to the charrical discription on the label and PRESCRIBBY IT for the purposes referred to hardin, majors to the risks "shared to Power ATCOREM MAKE NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITHESS OR MERCHAN"AJILITY OR ANY OTHER EXPRES OR MAPLED WARRANTY. OF NO CASE SHALL ATOCHER OR SELER OF LIMILE FOR CONSEQUENTY SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDIN BUT NOT LIMITED TO. LOSS OF PROPITS, BUSINESS REPUTATION, OR CUSTOMERS, LABOR COST OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING

m and solar offer this product and the buyer and user accord it subjection the foregoing conditions and solar offer this product and the buyer and user accord it suffer to the foregoing conditions tale and marriedy which may be varied only by an of Alexans ٠

> • • Made and Pfined in U.S.A. ..

> > DLS: AVAILABLE COM