

66222-145

09-22-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Christie Hitchcock  
Product Registration  
MANA, Inc.  
4515 Falls of Neuse Road, Suite 300  
Raleigh, NC 27609

SEP 22 2009

SUBJECT: Application for Pesticide Notification PRN 98-10  
Request Alternate Brand Name "Quali-Pro TM 85 WDG"  
EPA Reg. No. 66222-145  
Application Dated August 21, 2009

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 08/21/09 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 66222-145	2. EPA Product Manager Linda Arrington	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Thiophanate Methyl 85 WDG	PM# (#22) Registration Support Branch	
5. Name and Address of Applicant (Include ZIP Code) Makhteshim Agan of North America, Inc., 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**NOTIFICATION**

**AUG 22 2009**

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of Alt Brand name: Quali-Pro® TM 85 WDG  
 This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

**Section - III**

**1. Material This Product Will Be Packaged In:**

<b>Child-Resistant Packaging</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Unit Packaging</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt.    No. per container	<b>Water Soluble Packaging</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt    No. per container	<b>2. Type of Container</b> <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
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*\* Certification must be submitted*

3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/>
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled	<input type="checkbox"/> Other _____	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Christie Hitchcock	Title Regulatory Specialist	Telephone No. (Include Area Code) 919-256-9342
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**Certification**  
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Christie Hitchcock</i>	3. Title Regulatory Specialist	6. Date Application Received (Stamped)
4. Typed Name Anne Stout	5. Date 08-21-09	



**QUALI-PRO**

2/4

# TM 85 WDG

## *Fungicide*

**NOTIFICATION  
NOTIFICATION**

SEP 22 2009

Contains thiophanate-methyl, the active ingredient used in Topsin® and Cleary's 3336  
Quali-Pro TM 85 WDG is not manufactured or distributed by Cerexagri.

<b>ACTIVE INGREDIENT:</b>	<b>% BY WT.</b>
Thiophanate-methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis[carbamate])	. . .85.0%
<b>OTHER INGREDIENTS:</b>	. . .15.0%
<b>TOTAL</b>	. . .100.0%

EPA Reg. No. 66222-145

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

FIRST AID	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <b>You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.</b></p>	

For additional precautionary, handling, and use statements, see inside of this booklet.

**Manufactured for Makhteshim Agan of North America, Inc.**  
**4515 Falls of Neuse Road, Suite 300 • Raleigh, NC 27609**

EPA 021709/NOTIF 040109/Rev A

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

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

**Handlers mixing, loading, and applying the product as a dip (including application of product in kaolinite clay to conifer seedling roots) 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 other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves for all mixers and loaders and for applicators using hand held equipment
- Shoes plus socks

**User Safety Requirements:** Follow manufacturer's instructions for cleaning/maintaining personal protective equipment, PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been heavily contaminated with this product. 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 outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, 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.

### 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 pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

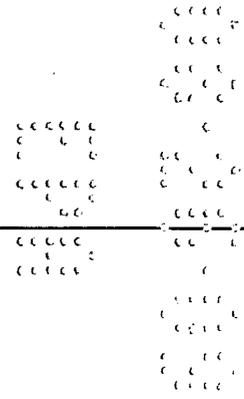
Use this product in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for 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 intervals. 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). The REI for each crop is listed in the directions for use associated with each crop.

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 apply to uses of this product that are not within the scope of the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR Part 170]. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow others to enter until sprays have dried.

**GENERAL INFORMATION**

Apply Quali-Pro TM 85 WDG with ground or aerial equipment using sufficient volume of spray to provide thorough coverage. Add required amount of Quali-Pro TM 85 WDG to partially filled tank agitated by mechanical or hydraulic means and then add remaining required amount of water. Continuous agitation is required to keep the material in suspension. Do not tank mix with highly alkaline pesticides such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Use the higher rate under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules.

Use the LB/Acre rate for concentrate sprayers (less than 400 gallons) and aerial application. Use the LB/100 GAL rate for dilute ground application.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

**RESISTANCE MANAGEMENT**

To avoid the development of tolerant or resistant strains of fungi, Quali-Pro TM 85 WDG should always be tank mixed with a fungicide of different chemistry and/or a fungicide of different chemistry should be alternated with Quali-Pro TM 85 WDG at each application. MAKHTESHIM AGAN OF NORTH AMERICA, INC. DOES NOT RECOMMEND THE USE OF PRODUCTS CONTAINING THIABENDAZOLE IN COMBINATION OR IN ROTATION WITH QUALI-PRO TM 85 WDG. If after using Quali-Pro TM 85 WDG as recommended and the treatment is not effective, a tolerant or resistant strain of fungi may be present. Discontinue the use of Quali-Pro TM 85 WDG for at least one season. Do not use products containing thiabendazole as substitutes for Quali-Pro TM 85 WDG, as they are of similar chemistry and will contribute to the development of resistance. As long as these precautions are followed, Quali-Pro TM 85 WDG can be useful for disease control even if resistant strains are present.

### DIRECTIONS FOR USE IN CHEMIGATION SYSTEMS

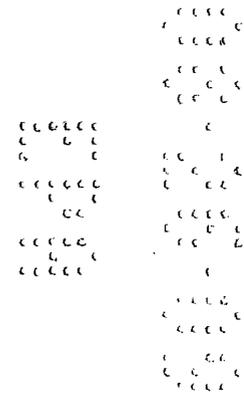
Do not apply this product any other type of irrigation system.

#### CROP USES

CROP	DISEASES	LB/ACRE	RATE: MINIMUM GAL- LONAGE	REMARKS
<b>CONIFERS*</b> PINE Austrian Red Scots Christmas trees	Tip Blight ( <i>Diplodia</i> )	56 oz (3.5 lbs product)	13 oz product per acre applied in spray solution at a rate of 100 gallons per acre	Apply at bud break. Repeat 10-14 days later, just before needles emerge from sheath; repeat again 10-14 days after needle emergence. REI = 12 hours.
FIR Douglas	Swiss Needle Cast ( <i>Phaenocarpa</i> <i>pus</i> ) Rhabdocline Needle Cast	56 oz (3.5 lbs product)	13 oz product per acre applied in spray solution at a rate of 50 gallons per acre	Apply initially in early May. Repeat at 4 week intervals. REI = 12 hours.

\*Not for use in California.

- Add a spreader/sticker to improve coverage.
- Use minimum gallonage with mist-blower types of sprayers and higher gallonage with conventional sprayers.
- Do not graze livestock in treated areas.



CROP	DISEASES	LB/ACRE	RATE: MINIMUM GAL- LONAGE	REMARKS
<b>CONIFERS*</b> (seedling treatment) Longleaf	Brown Needle Blight ( <i>Scirrhia</i> )	-	0.8 oz/9.5 oz dry kaolinite clay for seedling roots	Wet seedling roots in clean water, then apply Quali- Pro TM 85 WDG /kaolinite mixture to wet roots.
Loblolly Longleaf Slash	Fusarium and Rhizoctonia Root Rot	-	1.6 oz/50 oz kaolinite clay, plus enough water to make a slurry.	Thoroughly cover seedling roots with Quali- Pro TM 85 WDG /kaolin- ite slurry.

\*Not for use in California.

- Do not apply mixture to seedling foliage.
- During treatment, avoid excessive drying of roots or exposure to temperatures greater than 90°F or less than 32°F.
- Quali-Pro TM 85 WDG does not control Pythium or Phytophthora.

**NOTE:** Dilute sprays are not to exceed maximum rate per acre.

### HORTICULTURAL APPLICATIONS GREENHOUSE, NURSERY, AND LANDSCAPE

Quali-Pro TM 85 WDG provides broad spectrum disease control on containerized woody, flowering, herbaceous, and tropical foliage ornamental plants, trees, and turf grasses. Not for homeowner use.

Make applications of Quali-Pro TM 85 WDG with ground equipment using sufficient spray volume to provide thorough coverage. Do not tank mix Quali-Pro TM 85 WDG with copper-containing materials or with highly alkaline pesticides such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Under conditions of severe disease pressure or when application intervals are shorter than 14 days due to persistent rainfall, use the higher concentration or rates provided in this label. Consult your local State Extension Service specialist for application schedule recommendations.

**IMPORTANT:** If specified treatments of Quali-Pro TM 85 WDG are ineffective, a tolerant strain of fungus may be present. Consult your Makhteshim Agan of North America, Inc. representative or distributor, your local State Agricultural Experiment Station for advice on prompt use of some other labeled fungicide.

Quali-Pro TM 85 WDG provides broad spectrum control of many foliar, stem, and below ground diseases. Apply Quali-Pro TM 85 WDG 14 to 21 days prior to appearance of a particular disease and at the very latest, upon first sign of disease. Spray intervals usually range from 7 to 14 days with 14 days being for preventative treatments and the 7 day interval for times when disease development is likely. For hard-to-wet foliage, an acceptable wetting agent may be added to the spray tank to increase product efficacy. Use of a spreader-sticker is suggested when excessive and repeated foliar wetting occurs. Quali-Pro TM 85 WDG may be used to control listed diseases on noncommercial fruit and nut trees. Do not use fruit or nuts from trees treated with this product as food. Do not apply this product to home orchards or backyard fruit trees after fruit set.

**Note:** Quali-Pro TM 85 WDG has been determined to be safe for use on the plant types listed in these directions for use based on cumulative data derived from research trials and historical field use. As all species and cultivars have not been tested, it is recommended that trial applications be performed if a user wishes to make an application to a plant type not listed on the label but found on a similar use site and for disease that is listed on the label. To conduct a trial application, apply at least two applications to at least 25 trial plants at the highest concentration, 7 days apart. Evaluate 7 days after the last application before initiating full-scale application. Do not use this product on the following plants: Swedish Ivy (*Neprolepsis exaltata*), Boston Fern (*Plectranthus australis*), and Easter Cactus (*Hatiora gaertneri*).

Plant Type	Such as but not limited to:
Herbaceous Bedding	Ageratum, Begonia, Canna, Coleus, Dahlia, Dusty Miller, Foxglove, Fuchsia, Geranium, Impatiens, Lavender, Marigold, Pansy, Petunia, Pinks, Primrose, Salvia, Statice, Strawflower, Tickseed, Verbena
Flowering	Chrysanthemum, Hydrangea, Hollyhock, Iris, Lily, Poinsettia
Tropical Foliage	Dieffenbachia, Dracaena, English Ivy, Philodendron, Pothos
Woody Ornamentals	Azalea, Hibiscus, Holly, Ligustrum, Rhodendrum, Rose, Pyracantha
Evergreen Trees	Douglas Fir, Fir, Larch, Pine, Spruce
Deciduous Trees*	Ash, London Plane, Maple, Oak, Sycamore, Walnut
Flowering Trees*	Cherry, Crabapple, Hawthorn, Mountain Ash, Pear

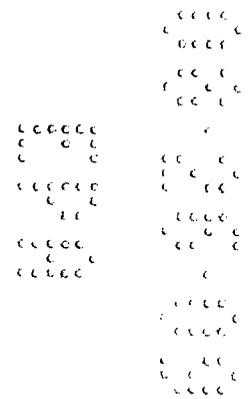
\*Do not use fruit or nuts from treated trees as food or feed.

### FOLIAR SPRAY PLANT TYPES AND DISEASES CONTROLLED

DISEASE (S)	PLANT TYPES
Anthraco nose	Woody ornamentals, shade trees <sup>1</sup>
Ascochyta Blight	Herbaceous ornamentals
Black spot	Roses
Botrytris (Grey Bold)	Woody and herbaceous ornamentals
Brown Rot	Woody and herbaceous ornamentals
Colletotrichum	Woody and herbaceous ornamentals
Cercospora Leaf Spot	Woody and herbaceous ornamentals
Corynespora Leaf Spot	Ligustrum
Didymellina Leaf Spot	Iris
Diplodea Tip Blight (Diplodea piea)	Shade and ornamental trees
Ovulinia	Azalea, rhododendron <sup>2</sup>
Entomosporium Leaf Spot	Woody and herbaceous ornamentals
Fusicaladium Leaf Scab	Woody and herbaceous ornamentals
Phomopsis Blight	Woody and herbaceous ornamentals
Pin Tip Blights	Woodys
Powdery Mildew	Woody and herbaceous ornamentals
Rust Diseases	Ornamental nut and fruit trees
Ramularia Leaf Spot	Herbaceous ornamentals
Scab	Pyracantha, flowering crab, ornamental fruit and nut trees
Septoria Leaf Spot	Woody and herbaceous ornamentals
Venturia Leaf Scab	Woody and herbaceous ornamentals

<sup>1</sup> Begin at bud and make 2 or 3 additional applications at 10 to 14 day intervals.

<sup>2</sup> Begin treatment as flowers open. Addition of a spray surfactant to the spray mixture improves distribution of the spray on hard-to-wet plants such as roses.



## FOLIAR SPRAY APPLICATIONS

### APPLICATION RESTRICTIONS

**Maximum Single Application Rates:**

**Ornamentals:** Do not exceed the maximum single application rate of 3.5 lbs Quali-Pro TM 85 WDG per acre (3.0 lbs thiophanate-methyl active ingredient per acre).

**Cut Flowers:** Do not exceed the maximum single application rate of 0.59 lb Quali-Pro TM 85 WDG per acre (0.5 lb thiophanate-methyl active ingredient per acre).

**Seasonal Maximum Application:**

**All Ornamentals:** Do not apply more than 353 lbs Quali-Pro TM 85 WDG per acre per season (300 lbs thiophanate-methyl active ingredient per acre per season).

### Hydraulic Application Mixing Instructions

Add the required amount of Quali-Pro TM 85 WDG to a partially filled spray tank agitated by mechanical or hydraulic means and then add the remaining volume of water. Maintain continuous agitation to keep the material in suspension and apply with properly calibrate spray equipment.

### Application Concentrations (Mechanical or Hand Held):

Use the labeled amount of Quali-Pro TM 85 WDG per 100 gallons of water for the prevention and control of the diseases shown below.

## FOLIAR DISEASES

Diseases/Pathogens Controlled	Concentration of Quali-Pro TM 85 WDG oz/100 gals.	Remarks
Anthracoese ( <i>Colletotrichum</i> )	7.2-9.6	Apply as buds break or at first sign of disease. Repeat application at 7 to 14 day intervals as needed during disease period.
Black Spot of Rose ( <i>Diplocarpon rosae</i> )	7.2-9.6	Apply early summer or at first sign of disease. Repeat application every 7 to 14 days as needed during disease period.
Brown Rot and Blight ( <i>Monlinia, Sclerotina, Whetzellinia</i> )	7.2-9.6	Apply late spring or at first sign of disease. Repeat application every 7 to 14 days as needed during the disease period.
Fusicladium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.	7.2-9.6	Apply as buds break. Repeat application every 7 to 14 days during disease period. Effective control requires coverage during expansion. Rotations with chlorothalonil or propiconazole can be utilized.

Diseases/Pathogens Controlled	Concentration of Quali-Pro TM 85 WDG oz/100 gals.	Remarks
Leaf Spots and Blights caused by: <i>Ascochyta, Blumeriella, Botrytis, Cercospora, Cocomyces, Corynespora, Curvularia, Didymellina, Entomosporium, Fabraea, Fusarium, Ramularia, Rhizoctonia, Marssoninia, Mycosphaerella, Myrothecium, Phoma, Physalasporea, Schizothyrium, Septoria, Sphaceloma</i>	7.2-9.6	Make applications when disease symptoms first appear. Repeat every 7 to 14 days during disease period. Rotations with chlorothalonil may be used.
Ovulinia Blight	4.8-9.6	Apply as flowers open. Repeat every 7 to 14 days during disease period.
Powdery Mildews <i>Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca</i>	4.8-9.6	Apply when disease first appears and repeat application every 7 to 14 days. Rotations with other effective products may be used.
Rust Diseases caused by: <i>Puccinia, Gymnosporangium, Uromyces</i>	7.2-9.6	Apply late spring or when symptoms first appear. Repeat applications every 7 to 14 days during disease period. Rotations with other effective products is recommended.
Tip Blight of Pine <i>Sphaeropsis spainea, Diplodia pinea</i>	7.2-9.6	Begin applications in the spring when new growth starts. Make a second application just prior to needle emergence from the sheath and a third application 7 days later. Ensure thorough coverage.
Twig Blights, Cankers, and Diebacks <i>Diaporthe, Kabatine, Phoma, Phomopsis</i>	9.6-19.2	Apply when symptoms first appear. Repeat applications every 7 to 14 days during disease period.

**Adjuvants:** Where rainfall and/or overhead irrigation is the norm, use of a compatible spreader/sticker is suggested. Where wetting of foliage is difficult, use a compatible wetting agent. Follow the phytotoxicity precautions described in the **HORTICULTURAL APPLICATIONS** section of this label.

**SOIL DRENCH APPLICATIONS**

**Mixing Instructions:** Add required amount of Quali-Pro TM 85 WDG to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation to keep the material in suspension.

**Application Rates and Timing for Disease Control:** Use 4.8-9.6 oz of Quali-Pro TM 85 WDG per 100 gallons of water. Apply as a drench or heavy spray at the rate of 1/2 to 2 pints per square foot (100 gallons per 400 to 1600 square feet). For small pots and shallow flats up to 4 inches in size, use 4.8 oz/100 gallons applied at 1 pint. For containers and pots 4 inches or larger, refer to the following table for the volume to apply. Repeat applications may be made at 4 to 8 week intervals depending on disease presence and conditions for disease development.

Container Type	Volume to Apply/Container	
	1 pt/ sq ft Rate	2 pt/sq ft Rate
4 inch	1.2 fl oz	-
5 inch	1.5 fl oz	-
6 inch	-	3.9 fl oz
7 inch	-	5.1 fl oz
8 inch	-	6.6 fl oz
9 inch	-	8.4 fl oz
10 inch	-	10.5 fl oz

For containers larger than 10 inches, a drench volume of 2 1/2 to 3 pints per square foot of surface area may be required.

**Plant Types:** Containerized woody shrubs, trees, herbaceous/bedding, flowering, and tropical foliage plants and flowers and bedding plants in the landscape.

**Note:** Do not apply this product to plug trays or seedling flats at time of seeding.

**Soil Diseases Controlled:** Botrytis, Cyindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, and Thielaviopsis.

**Note:** Pythium, Phytophthora and Cyindrocladium spathiphyulli are not controlled by Quali-Pro TM 85 WDG .

**PLANT DIP TREATMENT**

**Mixing Instructions:** Mix as described in the **FOLIAR DISEASES** and **SOIL DRENCH APPLICATIONS** sections of this label. Maintain continuous agitation during application.

**Application Concentration and Dipping Time**

15  
20

**Plants or Cuttings:** Use 7.2-9.6 oz of Quali-Pro TM 85 WDG per 100 gallons of water. Immerse plants or cuttings for 10 to 15 minutes, remove, and allow to drain and dry. Wear protective clothing as described under the **PERSONAL PROTECTIVE EQUIPMENT** section of this label.

**Bulbs, Corms, Tubers, and Rhizomes:** Use 9.6-19.2 oz of Quali-Pro TM 85 WDG per 100 gallons of water. Soak cleaned bulbs for 15 to 30 minutes in warm dip (80-85° F) within 48 hours of digging. Dry bulbs after treatment. If bulbs are for forcing, treat bulbs that have been heat cured.

**Plant Types:** Propagated units of woody, herbaceous, flowering and tropical foliage plants. Bulbs, corms, tubers, and rhizomes of plants such as but not limited to Caladium, Easter Lily, Tulip, Gladiolus, Daffodil, Iris.

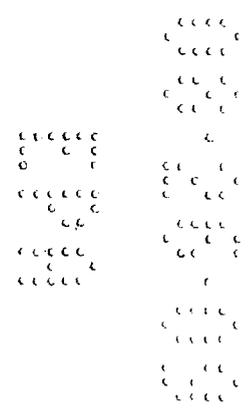
**Diseases Controlled:** Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicilium, Ramulaira, Rhizoctonia, Sclerotinia, Thielaviospsis.

**TURF APPLICATIONS**

Quali-Pro TM 85 WDG may be used against certain foliar and soil diseases for use on all turf types such as golf course greens, tees and fairways, athletic fields, cemeteries, parks, and commercial and home lawns. Not for homeowner use. For use only by certified applicators, or those under their immediate supervision. Do not apply with fixed wing or rotary aircraft. Quali-Pro TM 85 WDG may be used both preventatively and curatively and is not phytotoxic. Do not use Quali-Pro TM 85 WDG on turf being grown for sale or other commercial uses as sod.

**Mixing Instructions:** Add the required amount of Quali-Pro TM 85 WDG to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation to keep the material in suspension. For best results, use spray mixture the same day it is prepared.

**Turf Types:** All cool season and warm season grasses (such as but not limited to Bentgrasses, Bermudagrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustine grasses and Zoysiagrasses) or their mixtures.



DISEASE(S) CONTROLLED	RATE OF QUALI- PRO TM 85 WDG OZ/1000 SQ. FT *	REMARKS
Anthracnose ( <i>Colletrichum graminicola</i> )	1.2-2.4  (2.4-3.6)**	Apply when disease first appears. Make additional applications at 14-day intervals as needed. Allow spray to dry on leaves with no watering in.
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> ) Copper Spot ( <i>Gloeocercospora sorghi</i> ) Brown Patch and Zoysia Patch ( <i>Rhizoctonia solani</i> ) Red Thread ( <i>Laetisaria fusiformis</i> )	1.2-2.4	Apply when disease first appears. Make additional applications at 14-day intervals as needed. Allow spray to dry on leaves with no watering in.
Pink Snow Mold ( <i>Microdochium nivale</i> ) (Only for those areas where snow cover is not present the entire winter)	1.2-2.4	Apply Quali-Pro TM 85 WDG in middle to late November before turf has stopped all growth activity. Lightly water application into the root zone for best results. For best results, use a spreader-sticker. Second spray should dry on leaf surfaces with no watering in. Minimum spray interval is 14 days.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	2.4-3.6	Apply when conditions are favorable for disease development. Continue at 14 day intervals. Spray should be dry on leaves with no watering in.
Summer Patch ( <i>Magnaporthe poae</i> )	2.4-3.6	For preventative treatment, make 3 applications at 21-day intervals beginning in early May. Water product into the root zone thoroughly after application. For suppression, apply two applications at 14-day intervals, beginning applications when the disease first appears.

DISEASE(S) CONTROLLED	RATE OF QUALI-PRO TM 85 WDG OZ/1000 SQ. FT. *	REMARKS
Fusarium Blight ( <i>Fusarium roseum</i> ) Necrotic Ring Spot and Spring Dead Spot ( <i>Leptosphaeria korrae</i> )	2.4-3.6	Make two applications at 14 day intervals beginning applications when the disease first appears.
Stripe Smut ( <i>Ustilago striiformis</i> )	2.4-3.6	Make two applications at 14 day intervals when disease first appears. Water into root zone after application. For prevention, apply in the spring(just before grass begins growth), and in the fall.

\*Refer to the Use Sites and Maximum Application Rates table to determine allowable rates for each application.

\*\*Use the 2.4-3.6 oz rate for curative response to Basal Stem Anthracnose.

**Turf Application Directions**

Apply Quali-Pro TM 85 WDG uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing for 12 hours after application. Apply sufficient water to obtain thorough coverage; usually 1 ½ to 2 ½ gallons per 1,000 sq ft of turf area. When treating golf greens, always treat aprons and approaches to golf greens.

Site	Maximum Single Application Rate per oz/1,000 sq ft	Maximum Seasonal Application Rate of Quali-Pro TM 85 WDG oz/1,000 sq ft
Golf course green/tees/aprons	3.5	9.2
Golf Course Fairways (Except Florida)	2.4	2.4
Golf Course Fairways (Florida only)	1.2	1.2
Residential and Public areas (home lawns, parks, athletic fields, schools, day care centers)	1.2	4.6

**Note to User:** Do not graze animals on treated turf. Do not feed clippings to livestock or poultry.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container in 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, absorb with sand or other inert material and dispose of absorbent 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:

**Nonrefillable Container (flexible-bag-all weights):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. After bag has been emptied, dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable Container (rigid-fifty lbs. or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Nonrefillable Container (rigid-greater than fifty lbs.):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**Refillable Container:** Refillable container. Refill this container with thiophanate methyl only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

### LIMITATION OF WARRANTY AND LIABILITY

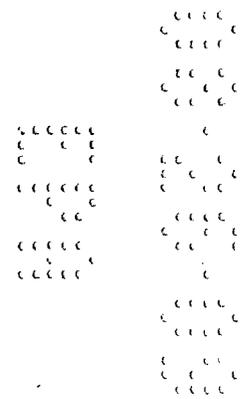
Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES** and **LIMITATIONS OF LIABILITY**.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the 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 Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.



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**QUALI-PRO**

# TM 85 WDG

## Fungicide

Contains thiophanate-methyl, the active ingredient used in Topsin® and Cleary's 3336  
Quali-Pro TM 85 WDG is not manufactured or distributed by Cerexagri.

<b>ACTIVE INGREDIENT:</b>	<b>% BY WT.</b>
Thiophanate-methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis[carbamate])	. . .85.0%
<b>OTHER INGREDIENTS:</b>	. . .15.0%
<b>TOTAL</b>	. . .100.0%

EPA Reg. No. 66222-145

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

FIRST AID	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <b>You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.</b></p>	

For additional precautionary, handling, and use statements, see inside of this booklet.

**Manufactured for Makhteshim Agan of North America, Inc.**  
**4515 Falls of Neuse Road, Suite 300 • Raleigh, NC 27609**

EPA 021709/NOTIF 040109/Rev A

EPA Est. No. 37429-GA-001<sup>BT</sup>; 37429-GA-002<sup>BO</sup>; 65387-AR-02<sup>BPH</sup>  
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

13024

**Net Contents: 1.2 Pounds**