

4581-408

6-30-2003

118

...Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
--	---	--	-----------------------

**Application for Pesticide - Section I**

1. Company/Product Number 4581-408	2. EPA Product Manager Mary L. Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) TOPSIN M WSB	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Cerexagri, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 <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 _____	<b>NOTIFICATION</b>  JUN 30 2003
<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.	

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

Notification of removal of the constraint against use for powdery mildew control on sugarbeets in California. On behalf of Cerexagri, Inc., I certify that this notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statements 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:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.			
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 type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> 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 Timothy M. Formella		Title Manager, Product Registrations		Telephone No. (include Area Code) 610-491-2813	
<b>Certification</b>					<b>6. Date Application Received (Stamped)</b>
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>Timothy M Formella</i>		3. Title Manager, Product Registrations			
4. Typed Name Timothy M. Formella		5. Date <i>June 17, 2003</i>			



# TOPSIN<sup>®</sup> M WSB

**Thiophanate-Methyl Fungicide**

**IN WATER SOLUBLE BAGS**

**70% Wettable Powder**

**ACTIVE INGREDIENT:**

Thiophanate-methyl dimethyl [(1,2-phenylene)—

bis(iminocarbonothioyl)]bis [carbamate]\* ..... 70.0%

**OTHER INGREDIENTS:** ..... 30.0%

**TOTAL** ..... 100.0%

\*Also known as dimethyl 4,4'-o-phenylenebis[3-thioallophanate]

TOPSIN<sup>®</sup> is a registered trademark of Nippon Soda Company, Ltd., and is licensed to NISSO TM LLC, 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**

**FIRST AID:**

**IF SWALLOWED:**

- Call a 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 by a poison control center or doctor.

**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.
- Call a poison control center or doctor for treatment advice.

**IF ON SKIN:**

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

**IF INHALED:**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

See back panel for Precautionary Statements.

EPA REGISTRATION NO. 4581-408

EPA ESTABLISHMENT NO. 66196-CA-1

**Net Weight** \_\_\_\_\_



cerexagri

Sold By:

**Cerexagri, Inc.**

630 Freedom Business Center, Suite 402

King of Prussia, PA 19406

1 800-438-6071 • www.cerexagri.com



### 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.

### 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.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear: long-sleeved shirt and long pants, and shoes plus socks. 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.

#### USER SAFETY RECOMMENDATIONS:

Users should:

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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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, waterproof gloves, shoes plus socks.

#### GENERAL INFORMATION

Apply TOPSIN M WSB with ground or aerial equipment, using sufficient volume of spray to provide thorough coverage. Continuous agitation is required to keep the material in suspension. Cerexagri does not recommend tank mixes 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 LBS/ACRE rate for concentrate sprays (less than 400 gallons on apples, less than 300 gallons on stonefruit). Use the LBS/100 GAL rate for dilute ground applications. For aerial applications, use a minimum of 3 gallons/A for row crops, and a minimum of 10 gallons/A for tree crops. Higher spray volume will generally result in better coverage and better disease control.

**Use on non-bearing apples, pecans, cherries and peaches:** TOPSIN M WSB may be used for control of the leaf diseases listed on the label for these crops during the non-bearing years of new plantings, and on nursery stock. All use directions and limitations must be followed, except for the PHI, which is not applicable. Begin applications as disease is first observed. Tank mixing with a protectant fungicide is strongly recommended for resistance management.

For crops without labeled uses of thiophanate-methyl, observe a 30-day plantback restriction.

Chemigation instructions follow. Do not apply through any irrigation system unless these instructions are followed.

**RESISTANCE MANAGEMENT:** To avoid the development of tolerant or resistant strains of fungi, TOPSIN M WSB should always be tank-mixed with a fungicide of different chemistry, and/or a fungicide of different chemistry should be alternated with TOPSIN M WSB at each application. Cerexagri DOES NOT RECOMMEND THE USE OF PRODUCTS CONTAINING BENOMYL, THIABENDAZOLE OR OTHER PRODUCTS CONTAINING THIOPHANATE-METHYL IN COMBINATION OR IN ROTATION WITH TOPSIN M WSB. If after using TOPSIN M WSB as recommended, the treatment is not effective, a tolerant or resistant strain of fungi may be present. Discontinue the use of TOPSIN M WSB for at least one season. Do not use products containing benomyl, thiabendazole or other products containing thiophanate-methyl as substitutes for TOPSIN M WSB, as they are of similar chemistry and will contribute to the development of resistance. As long as these precautions are followed, TOPSIN M WSB can be useful for disease control, even if resistant strains are present.

#### MIXING INSTRUCTIONS

TOPSIN M WSB consists of a protective outer resealable package containing water soluble bags. First fill the spray tank with approximately half the required volume of water. Begin agitation. Remove the required number of unopened water soluble bags from the outer package and add to the tank. Reseal outer bag to protect any unused bags. Avoid adding bags near recirculation outlets as they might block them before being fully dissolved.

- Do not allow the bags to become wet prior to adding to the tank.
- Do not handle water soluble bags with wet hands or wet gloves.

Depending on the degree of agitation and water temperature, the water soluble bags should be completely dissolved and ready to spray within 5 minutes. If other materials are to be added to the tank, especially fertilizers high in nitrogen or boron, wait until the TOPSIN M WSB is fully dissolved before adding them. Once all materials have been added, fill the tank with the remaining volume of water. Maintain continuous agitation at all times, and use the spray suspension as soon as possible.

#### CONVERSION TABLE

ACRES TREATED PER 1 LB WATER SOLUBLE BAG	
LABEL USE RATE LBS/A TOPSIN M WSB	ACRES TREATED WITH ONE WATER SOLUBLE BAG
¼ LB	4.0
½ LB	2.0
1 LB	1.0

#### CONVERSION TABLE

ACRES TREATED PER 2.5 LB WATER SOLUBLE BAG	
LABEL USE RATE LBS/A TOPSIN M WSB	ACRES TREATED WITH ONE WATER SOLUBLE BAG
¼ LB	10
½ LB	5
1 LB	2.5

CROP	DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
Almonds	Brown Rot Blossom Blight (Monilinia sp.) Scab (Cladosporium sp.)	1-2		Apply at pink bud and petal fall.
Apples	Apple Scab (Venturia sp.) Black Pox (Helminthosporium papulosum) Fyspeck (Zygophiala sp.) Powdery Mildew (Podosphaera sp.) Sooty Blotch (Gloeodes sp.) Black Rot (Botryosphaeria sp.) Brooks Fruit Spot (Mycosphaerella sp.) White Rot* (Botryosphaeria sp.)	1-1½	¼-¾	Apply at 5- to 10-day intervals from green tip through petal fall; continue at 7- to 14-day intervals in cover sprays.
Beans  Not for this use in California; see below for CA directions for use	Gray Mold (Botrytis sp.) White Mold (Sclerotinia sp.) Anthracnose	1-2		Make first application when 10% - 30% of plants have at least one open bloom, and/or conditions are favorable for disease development. A maximum of 4 lbs. of product per acre (2.8 lbs. A.I.) per crop cycle may be used, with a minimum 7 day spray interval.  Preharvest interval: 14 days for snap beans and lima beans, 28 days for dry beans.
Beans  California use only	Gray Mold (Botrytis sp.) White Mold (Sclerotinia sp.) Anthracnose	1½-2 OR 1-1½		Apply once at 50 to 70% of full bloom. OR Apply twice with the first application at 10% - 30% of full bloom and a second application at 4 to 7 days later or at peak bloom.  Pre-harvest interval: 14 days for snap beans and dry beans, 28 days for lima beans.
Canola  In North Dakota, Minnesota, and Montana (east of Interstate 15) only	White Mold (Sclerotinia sp.) Sclerotinia Stem Rot (Sclerotinia sp.) sclerotiorum	1-2 in a single application OR 1 per application, in two applications		Apply at 20 to 50% flowering.  OR Apply twice with the first application at 20% - 30% flowering and the second application at 40 - 50% flowering  Do not apply more than 2 lbs. product (1.4 lbs. A.I.) per acre per season. Thorough coverage of flowers is essential for control of White Mold.
Cucurbits (cucumbers, melons, summer and winter squash, and water-melons)  Do not apply more than 3 lbs. product (2 lbs. A.I.)/A/season from any combination of application timings	Acremonium/ Cephalosporium Hypocotyl Rot  Anthracnose* (Colletotrichum sp.) Gummy Stem Blight* (Didymella sp.) Powdery Mildew (Erysiphe sp.) Target Spot* (Corynespora sp.)  Belly Rots* (Rhizoctonia/ Fusarium sp.)  Suppression of Vine Decline (Monosporascus cannonballus) Charcoal Rot (Macrophomina sp.)	½  ½ for ground applications OR ½ for aerial applications  ½  ½		Apply in-furrow, on top of the seeds at planting. Do not use less than 10 gallons of water per acre.  Begin applications when plants begin to run or when disease first appears, and repeat at 7-14 day intervals or as needed.  For Target Spot, use at 7-day intervals as needed.  Apply in sufficient volume to allow runoff to the soil. Will not control Pythium sp.  Apply through buried drip irrigation (chemigation) to the root zone. For disease suppression, apply at 14-day intervals, beginning at emergence and continuing to harvest. Applications weekly or biweekly, beginning 4-6 weeks prior to harvest will also offer suppression, but may not be as effective as a season-long program.
Garlic	Penicillium Clove Rot		1	Completely immerse garlic cloves in suspension for at least 5 minutes.  Continuously agitate the solution tank by hydraulic or mechanical means.  After treatment, remove cloves from solution and drain over sand.  Dry cloves after treatment and prior to planting.

NOTE: Dilute sprays are not to exceed maximum rate per acre.  
\* Not for this use in California.

CROP	DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
Grapes  For grapes only; do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 7 days unless appropriate PPE for early entry is worn.	Botrytis Bunch Rot (Botrytis cinerea) Powdery Mildew (Uncinula necator)	1-1½		Apply at first bloom and repeat 14 days later or as needed if severe disease conditions exist. Make an additional application 3 to 4 weeks before harvest or when sugar begins to build; repeat 14 days later if conditions favorable for disease persist.  For powdery mildew continue applications through the season. Use in combination with sulfur or in rotation with sulfur and/or DMI fungicides.  Do not apply more than 4 lbs. product (2.8 lbs. A.I.)/A/season.  Pre-harvest interval: 14 days.
	EAST OF THE ROCKY MOUNTAINS: Bitter Rot (Melanconium) Black Rot (Guignardia) Powdery Mildew (Uncinula)	¾-1½		Apply when foliage first develops and repeat at 14 to 21 day intervals or as needed.  Do not apply more than 4 lbs. product (2.8 lbs. A.I.)/A/season.  Pre-harvest interval: 14 days.
Peanuts	Leaf Spot (Cercospora spp.) Rust (Puccinia) Limb Rot (Rhizoctonia) Ascochyta Web Blotch	½		Begin applications 35 days after planting or when disease first appears and repeat at 7- to 14-day intervals as needed.  Use the 7-day interval under severe disease pressure.  Pre-harvest interval: 14 days.
				TOPSIN M WSB should not be used alone. Use only in combination with another non-benzimidazole fungicide such as PENNCOZEB® 75DF (mancozeb) at 1½ lb. per acre.
Pears	Pear Scab Sooty Blotch Fyspeck Powdery Mildew Fabraea Leaf Spot	1	¼	Apply at 5 to 10-day intervals from green tip through petal fall; continue at 7 to 14-day intervals in the cover sprays.  Do not apply more than 4 lbs. TOPSIN M (2.8 lbs. A.I.)/A/season.  Pre-harvest interval: 1 day.  For pears only; do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 3 days unless appropriate PPE for early entry is worn.
Pecans	Scab (Fusicladium sp.) Brown Spot (Cercospora sp.) Downy Spot (Mycosphaerella sp.) Powdery Mildew (Microsphaera sp.) Liver Spot (Gnomonia sp.) Stem End Blight (Botryosphaeria sp.) Zonate Leaf Spot (Cristulariella sp.)	½-1		Begin applications when first leaves are showing and repeat at 3- 4-week intervals until shuck split.  Use the higher rates for trees over 30 feet tall and for aerial applications in Arkansas, Georgia, Louisiana, Mississippi, Oklahoma, and Texas.  Do not apply after shuck split.
Pistachios	Shoot Blight (Botrytis, Botryosphaeria)	1½-2		Apply at bloom.  Apply in a minimum of 100 gallons per acre by ground or 20 gallons per acre by air.  For aerial application, fly over every row or center.  Do not apply more than 2 lbs. product (1.4 lbs. A.I.)/A/season.  For pistachios only; do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 3 days unless appropriate PPE for early entry is worn.
Potatoes	White Mold (Sclerotinia sp.)	1-1½		Make first application just prior to row closure. Repeat the application within 7-14 days and at 7- 14 day intervals if conditions for disease development are favorable. Thorough coverage of the lower stems and branches is essential for disease control.  Do not apply more than 4 lbs. product (2.8 lbs. A.I.)/A/season.  Pre-harvest interval: 21 days.  May be tank mixed with other fungicides labeled for early and late blight control. Cerexagri does not recommend aerial application for control of this disease on this crop.

CROP	DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
Soybeans	Anthraxnose (Colletotrichum sp.) Brown Spot (Septoria sp.) Frogeye Leaf Spot (Cercospora sp.) Pod and Stem Blight (Diaporthe sp. and the imperfect stage, Phomopsis sp.) Purple Seed Stain (Cercospora sp.)	½-1		Apply from full bloom to when pods are ¼" to ½" in length. Make a second application 14- to 21-days later. Do not make the second application later than 14 days after pods average ¼" in length or when beans form in the pod. Use the high rate under severe disease pressure.  FOR SEED BEANS ONLY—For seed quality make a single application at the high rate when beans form in the pod.  Do not make more than 2 applications per year.  Do not graze or feed treated vines or hay to livestock.
	White Mold (Sclerotinia sp.)	¾-1		Make one application at early bloom (R-1 to R-2 stage) followed by a second application 7-14 days later if conditions are favorable for continued disease pressure. Use a minimum of 5 gallons by air.  Do not make more than 2 applications per year. Do not graze or feed treated vines to livestock.
	Aerial Blight (suppression)	1		Make initial application when disease threatens and repeat 14-21 days later if needed. Do not make more than 2 applications per year. Do not graze or feed treated vines to livestock.
Stone Fruits —Apricots	Brown Rot Blossom Blight (Monilinia sp.) Fruit Brown Rot (Monilinia sp.)	1-1½ (in CA use 1½)	½	Apply at early bloom (red bud). Make a second application at full bloom.  In addition, for Fruit Brown Rot, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final pre-harvest sprays.  Pre-harvest interval: 1 day.
	—Cherries	Brown Rot Blossom Blight (Monilinia sp.) Fruit Brown Rot (Monilinia sp.)	1-1½ (in CA use 1½)	½
	Cherry Leaf Spot (Coccomyces sp.)	1¼-1½	¾-½	Apply at petal fall or before, when leaves first unfold, and at first, second and third cover at 10- to 14-day intervals and one spray 14 to 21 days after harvest.  Pre-harvest interval: 1 day.
	Powdery Mildew (Podosphaera sp.) and (Sphaerotheca sp.)	1-1½ (in CA use 1½) PLUS 1¼-1½	½ PLUS ¾-½	Apply at early bloom (early popcorn). Make a second application at full bloom.  PLUS Apply at shuck fall and first cover.  Pre-harvest interval: 1 day.
—Nectarines	Brown Rot Blossom Blight (Monilinia sp.) Fruit Brown Rot (Monilinia sp.)	1-1½ (in CA use 1½)	½	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development.  In addition, for Fruit Brown Rot, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final pre-harvest sprays.  Pre-harvest interval: 1 day.
—Peaches	Brown Rot Blossom Blight (Monilinia sp.) Fruit Brown Rot (Monilinia sp.)	1-1½ (in CA use 1½)	½-¾	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development.  In addition, for Fruit Brown Rot, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final pre-harvest sprays.  Pre-harvest interval: 1 day.
	Peach Scab (Cladosporium sp.)	1-1½ (in CA use 1½) PLUS 1¼-1½	½-¾ PLUS ¾-½	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development.  PLUS Apply at shuck split and at first cover sprays.  Pre-harvest interval: 1 day.

NOTE: Dilute sprays are not to exceed maximum rate per acre.  
\* Not for this use in California

CROP	DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
—Plums and Prunes	Brown Rot Blossom Blight (Monilinia sp.) Fruit Brown Rot (Monilinia sp.)	1-1½ (in CA use 1½)	½	Apply at early bloom (green tip). Make a second application at full bloom.  In addition, for Fruit Brown Rot, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10- to 14-day intervals between full bloom and final pre-harvest sprays.  Pre-harvest interval: 1 day.
	Black Knot (Dibotryon sp.)	1-1½ (in CA use 1½)	½	Apply at pre-bloom, petal fall, and at first, second, and third cover sprays at 10- to 14-day intervals.  Pre-harvest interval: 1 day.
	Leaf Spot (Coccomyces sp.)	1-1½ (in CA use 1½)	½	Apply at petal fall, shuck, and at first, second, and third cover sprays at 10- to 14-day intervals and 1 spray 14 to 21 days after harvest.  Pre-harvest interval: 1 day.
Strawberries	Fruit Rot (Botrytis sp.) Leaf Blight (Dendrophoma sp.) Leaf Scorch (Diplocarpon sp.) Powdery Mildew	¾-1		Begin application at early bloom and continue at 7- to 10-day intervals. Use the higher rate East of the Rocky Mountains and under conditions of severe disease pressure. Do not apply more than 4 lbs. product (2.8 lbs. A.I./A/year).  Pre-harvest interval: 1 day.
Sugarbeets	Cercospora Leaf Spot (Cercospora sp.)	½-1 Note: in California, rate is ½ lb.		Apply when conditions become favorable for disease development before the disease appears and follow with a non-benzimidazole fungicide within 14 days of application or as needed.  Do not apply more than 3 lbs. product (2.1 lbs. A.I./A/season).  Pre-harvest interval: 21 days.
	Powdery Mildew (Erysiphe sp.)	½-1		Apply as soon as disease symptoms appear and repeat at 14-day intervals or as needed.  Do not apply more than 3 lbs. product (2.1 lbs. A.I./A/season).  Pre-harvest interval: 21 days.

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

**FOR USE ON TRITICALE AND FALL-SEEDED WHEAT IN IDAHO, OREGON AND WASHINGTON ONLY**  
(Not for use in California)

DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
Pseudocercospora sp. (Foot Rot, Strawbreaker, Eye Spot)	1 lb. (0.7 lb. A.I./A)		Apply TOPSIN M WSB at the rate indicated in a single application by air or ground after tillering but before stem elongation has begun. Use sufficient water to obtain thorough coverage.  Do not make more than one application per season.  Do not cut for hay within 90 days of application.  Do not allow livestock to graze in treated areas before harvest.

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

**FOR USE ON CONIFERS**  
(Not for use in California)

CROP	DISEASES	LIMIT ACRE/CROP	RATE, MINIMUM GALLONAGE	REMARKS
CONIFERS (Pine) Austrian Red Scots Christmas Trees	Tip Blight (Diplodia)	48 oz. (3 lb.)	16 oz./A 100 gal./A	Apply at bud break. Repeat 10 to 14 days later, just before needles emerge from sheath; repeat again 10 to 14 days after needle emergence.
(Fir) Douglas	Swiss Needle Cast (Phaeocryptopus) Rhabdochline Needle Cast	80 oz. (5 lb.)	16 oz./A 50 gal./A	Apply initially in early May. Repeat at 4 week intervals.

• Add a spreader/slicker 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	LIMIT ACRE/ CROP	RATE, MINIMUM GALLONAGE	REMARKS
CONIFERS (seedling treatment) Longleaf	Brown Needle Blight (Scirrhia)	N/A	1 oz./9.5 oz. dry Kaolinite clay for seedling roots	Wet seedling roots in clean water, then apply TOPSIN M/Kaolinite mixture to wet roots.
Loblolly Longleaf Slash	Fusarium and Rhizoctonia Root Rot	N/A	2 oz./50 oz. Kaolinite clay, plus enough water to make a slurry	Thoroughly cover seedlings roots with TOPSIN M/Kaolinite slurry.

\* 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.  
\* TOPSIN M does not control Pythium or Phytophthora.

**DIRECTIONS FOR USE THROUGH CHEMIGATION SYSTEMS  
USE IN CALIFORNIA BY CHEMIGATION ONLY FOR BEANS, CUCURBITS  
(CUCUMBERS, MELONS, PUMPKINS, SQUASH), PEANUTS, SOYBEANS,  
AND STRAWBERRIES.**

**GENERAL INSTRUCTIONS**

Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, or drip (mini-micro sprinklers, strip tubing, trickle) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Do not connect chemigation system to any public water system. Public water system means a system for the provision of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

**SYSTEM REQUIREMENTS**

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Observe the requirements in the System Requirements section above.

Apply TOPSIN M WSB only through systems containing anti-syphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to insure simultaneous shut-off.

Maintain a gentle continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.

Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot/injection unit to prevent spray being applied to this area.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

TOPSIN M WSB may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance and should be avoided.

**SPRAY PREPARATION**

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

Prepare a suspension of TOPSIN M WSB in a mix tank. Fill the tank with 1/2 or 2/3 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of TOPSIN M WSB and then the remaining volume of water.

**Sprinkler Irrigation—Notes**

Observe all System Requirements and Application Instructions above.

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the suspension of TOPSIN M WSB into the irrigation water line so as to deliver the desired rate per acre. The suspension of TOPSIN M WSB should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. When treatment with TOPSIN M WSB has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Where sprinkler distribution patterns do not overlap sufficiently, unacceptable disease control may result.

Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

**Drip (Mini-Micro Sprinklers, Strip Tubing, Trickle) Irrigation—Notes**

Observe all System Requirements and Application Instructions above.

A pesticide supply tank is recommended.

7/8

### 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 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 disposal facility.

**CONTAINER DISPOSAL INSTRUCTIONS:** 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.

### WARRANTY AND DISCLAIMER

Cerexagri, Inc. 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. CEREXAGRI MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL CEREXAGRI OR SELLER 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 COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

Cerexagri 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 Cerexagri.

*Cerexagri, Inc. is a wholly-owned subsidiary of ATOFINA Chemicals, Inc.*

818



Cerexagri, Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406  
Phone 610 491 2800  
Fax 610 491 2801  
www.cerexagri.com

June 17, 2003

VIA: UNITED PARCEL SERVICE

Document Processing Desk (NOTIF)  
Ms. Sherada Hobgood  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202-4501

**RE: Notification per PR Notice 98-10  
Topsin M WSB, EPA Reg. No. 4581-408**

Dear Ms. Hobgood:

Cerexagri, Inc. herein submits a registration amendment for Topsin M WSB consistent with the notification provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46.

This amendment reflects the removal of the constraint "Not for this use in California" from the use on potatoes and from the disease Powdery Mildew on sugarbeets.

Efficacy data on these specific uses have been developed and submitted to California Department of Pesticide Regulation for removal of the restrictions in that State.

Enclosed please find the following materials to support this registration notification request:

1. A completed Application for Pesticide Registration (EPA Form 8570-1)
2. Three (3) copies of the amended label, one with the revision highlighted

If you have any questions on this submission please call me at 610-491-2813.

Sincerely,

Timothy M. Formella  
Manager, Product Registration

