

100-21-3117

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

1. Company/Product Number 4581-377	2. EPA Product Manager C. Welch	3. Proposed Classification <input 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) Eli Atchem North America, Inc. Agricultural Division, 21st Floor 210 Market Street, Hula, PA 19103-3222 <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.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of: **Addition of Pests and advisory statements per PR Notice 95-2**
 This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. 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 95-2 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. No. per container		If "Yes" Package wgt No. per container			
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"/> On Label <input type="checkbox"/> On Labeling accompanying product	
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	

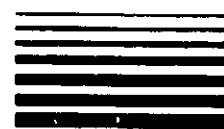
Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name Rebecca A. Clemmer	Title Mgr. Product Registration	Telephone No. (include Area Code) 215-419-7667
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, both under applicable law.		6. Date Application Received (Stamped)
2. Signature Rebecca A. Clemmer	3. Title Mgr. Product Registration	
4. Typed Name Rebecca A. Clemmer	5. Date 1/18/96	

elf atochem



TOPSIN[®]M WSB



IN WATER SOLUBLE BAGS
THIOPHANATE-METHYL FUNGICIDE
70% Wettable Powder

ACTIVE INGREDIENT:

Thiophanate-methyl (dimethyl[1,2-phenylene)- bis(iminocarbonothioyl)]bis(carbamate))*	70.0%
INERT INGREDIENTS:	30.0%
TOTAL	100.0%

*Also known as dimethyl 4,4'-q-phenylenebis[3 thioallophanate]
 *TOPSIN is a registered trademark of Nippon Soda Company, Ltd. and is licensed to Elf 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 vomiting 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 Back Panel for Additional Worker Protection Standard Directions

EPA REGISTRATION NO. 4581-377

EPA ESTABLISHMENT NO. 5905 AR-1

Net Weight: _____ Pounds (_____ Kgs)

SOLD BY

ELF ATOCHEM NORTH AMERICA, INC.
AGCHEM DIVISION

2000 Market Street, Philadelphia, PA 19103



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 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. **ELF ATOCHEM 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.

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 should always be tank-mixed with a fungicide of different chemistry, and/or a fungicide of different chemistry should be alternated with TOPSIN M at each application. **ELF ATOCHEM DOES NOT RECOMMEND THE USE OF PRODUCTS CONTAINING BENOMYL OR THIABENDAZOLE IN COMBINATION OR IN ROTATION WITH TOPSIN M.** If after using TOPSIN M as recommended, the treatment is not effective, a tolerant or resistant strain of fungi may be present. Discontinue the use of TOPSIN M for at least one season. Do not use products containing benomyl or thiabendazole as substitutes for TOPSIN M, as they are of similar chemistry and will contribute to the development of resistance. As long as these precautions are followed, TOPSIN M 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
1/4 LB	4.0
1/2 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 2.5 LB. WATER SOLUBLE BAG
1/4 LB	10
1/2 LB	5
1 LB	2.5

CONVERSION TABLE

ACRES TREATED PER 5 LB WATER SOLUBLE BAG	
LABEL USE RATE LBS/A TOPSIN M WSB	ACRES TREATED WITH ONE WATER SOLUBLE BAG
1/4 LB	20.0
1/2 LB	10.0
1 LB	5.0

CROP	DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
Almonds	Brown Rot Blossom Blight (<i>Monilia</i> sp.)	1.2		Apply at early (one bud) and early petal fall. Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
Apples (Pre-Harvest)	Apple Scab (<i>Venturia</i> sp.) Fyspeck (<i>Zygomata</i> sp.) Powdery Mildew (<i>Podosphaera</i> sp.) Sooty Blotch (<i>Gloeodes</i> sp.) Black Rot (<i>Botryosphaeria</i> sp.) Brooks Fruit Rot (<i>Mycosphaerella</i> sp.)	1.1-2	1-2	Apply at 5- to 10-day intervals from green tip through petal fall, continue at 7- to 14-day intervals in cover sprays. Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
Beans	Gray Mold (<i>Botrytis</i> sp.) White Mold (<i>Sclerotinia</i> sp.)	1 1/2-2 OR 1 1/2		Apply once at 50% to 70% of full bloom. OR Apply twice with the first application at 10% to 30% of full bloom and a second application at 4 to 7 days later or at peak bloom. Do not apply to snap or dry beans within 14 days of harvest or to lima beans within 28 days of harvest. Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
Celery	Early Blight (<i>Coreoperia</i> sp.) Late Blight (<i>Septoria</i> sp.)	1/2		Apply to the base of the plants on a 14- to 21-day schedule beginning about 2 weeks after transplanting. OR Apply as a foliar spray every 7 to 14 days beginning about 2 weeks after transplanting. Do not apply within 7 days of harvest. Do not make more than 4 applications per season.
Cucurbits (Cucumbers, melons, pumpkins, summer and winter squash)	Anthrachnose (<i>Colletotrichum</i> sp.) Gummy Stem Blight (<i>Diaporthe</i> sp.) Powdery Mildew (<i>Erysiphe</i> sp.) Target Spot (<i>Corynespora</i> sp.)	1-2 OR 1	for ground applications OR for aerial applications	Begin applications when plants begin to run or when disease first appears, and repeat at 7- to 14-day intervals or as needed. For Target Spot, use at 7 day intervals as needed.
California use only for Powdery Mildew control	Belly Rots (<i>Rhizoctonia</i> / <i>Fusarium</i> sp.)	1		For Belly Rots, apply in sufficient volume to allow runoff to the soil. Will not control <i>Pythium</i> sp.
Onions (in furrow)	White Rot (<i>Sclerotium</i> sp.)	1/2-1 lb / 1000 ft of row (12 inch row spacing) or 12-16 lbs broadcast		Spray directly into the open furrow at the time of planting seed, sets or bulbs. Not for use through any type of irrigation system.
Peanuts	Leaf Spot (<i>Caracaspore</i> sp.) Rust (<i>Puccinia</i>) Limb Rot (<i>Rhizoctonia</i>) Ascochyta Web Blotch	1		Begin applications 35 days after planting or when disease first appears and repeat at 7- to 14 day intervals or as needed. Use the 7 day interval under severe disease pressure. Do not apply within 14 days of harvest. TOPSIN M should not be used alone. Use only in combination with another non-benzimidazole fungicide such as PENNCOZEB® 75DF (mancozeb) at 1.5 lb per acre.
Pecans	Scab (<i>Fusicladium</i> sp.) Brown Spot (<i>Caracaspore</i> sp.) Downy Spot (<i>Mycosphaerella</i> sp.) Powdery Mildew (<i>Microsphaera</i> sp.) Liver Spot (<i>Geonoma</i> sp.) Stem End Blight (<i>Botryosphaeria</i>) Zonate Leaf Spot (<i>Cristulariella</i> sp.)	1-2		Begin applications when first leaves are showing and repeat at 1- to 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.
Soybeans	Anthrachnose (<i>Colletotrichum</i> sp.) Brown Spot (<i>Septoria</i> sp.) Fungal Leaf Spot (<i>Caracaspore</i> sp.) Blight (<i>Diaporthe</i> sp.) Phomopsis (<i>Phoma</i> sp.) Purple Seed Rot (<i>Caracaspore</i> sp.)	1-2		Apply at first signs of when plants are showing. Make a second application 14-21 days after, do not make the second application later than 14 days after the first application. Use the higher rates for the entire length of the growing season. Use the procedure for the entire length of the growing season. Do not apply after shuck split. Do not apply within 14 days of harvest.

NOTE: Dilute sprays are not for use and are not recommended for use.

CROP	DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
Vines (continued)	Suppression	1/2		Make one application at early bloom (R1 to R2 stage) followed by a second application 14 days later if conditions are favorable for continued disease pressure. Use a maximum of 5 gallons per acre. 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 Fruit —Apricots	Brown Rot Blossom Blight (Monilia sp.) Fruit Brown Rot (Monilia sp.)	1/2	1/2	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 Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
—Cherries	Brown Rot Blossom Blight (Monilia sp.) Fruit Brown Rot (Monilia sp.)	1/2	1/2	Apply at early bloom (early popcorn). 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 Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
	Cherry Leaf Spot (Coccomyces sp.)	1/2-1/2	1/2-1/2	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 See above for Resistance Management guidance.
	Powdery Mildew (Podosphaera sp.) and (Sphaerotheca sp.)	1/2 PLUS 1/2-1/2	1/2 PLUS 1/2-1/2	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 See above for Resistance Management guidance.
Nectarines	Brown Rot Blossom Blight (Monilia sp.) Fruit Brown Rot (Monilia sp.)	1/2	1/2	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 Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
—Peaches	Brown Rot Blossom Blight (Monilia sp.) Fruit Brown Rot (Monilia sp.)	1/2-1/2	1/2-1/2	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 Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
	Peach Blight (Cladosporium)	PLUS 1/2-1/2	PLUS 1/2-1/2	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development. PLUS Apply at shuck fall and first cover. Pre-harvest interval: 1 day See above for Resistance Management guidance.

CROP	DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
Vines and Prunes	Brown Rot Blossom Blight (Monilia sp.) Fruit Brown Rot (Monilia sp.)	1/2	1/2	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 Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
	Black Knot (Dibotrya sp.)	1/2	1/2	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 See above for Resistance Management guidance.
	Leaf Spot (Coccomyces sp.)	1/2	1/2	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 See above for Resistance Management guidance.
Strawberries	Fruit Rot (Botrytis sp.) Leaf Blight (Dendrothoma sp.) Leaf Scorch (Diplazium sp.)	1/2-1		Begin applications 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. Pre-harvest interval: 1 day Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
Sugar Beets	Leaf Spot (Cercospora sp.)	1/2-1/2		Begin applications when disease first appears and repeat at 14-day intervals or as needed. Pre-harvest interval: 21 days Resistance Management: TOPSIN M should not be used alone. Another non-benzimidazole fungicide should be used with TOPSIN M for disease resistance management.
Sugar Cane (Hawaii only)	Pineapple Disease (Thelethelopsis sp. or Caratocystis sp.)	1/2	(11,500)	Apply to cut seed pieces as a cold or hot dip. Cold Dip—immerse seed pieces to provide thorough coverage, remove and allow to drain.
		1/2	(13,200)	Hot Dip—Maintain temperature of dip at 52°C and soak seed pieces for 20 minutes, remove and allow to drain. Do not use treated seed pieces for feed or topser. Do not graze or feed treated foliage to livestock.

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

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

CROP	DISEASES	LBS/ACRE	LBS/100 GAL	REMARKS
Fall Seeded Wheat	Pseudocercospora sp. Fusarium Stem rust TVA sp.	1/2 1/2-1/2 1/2-1/2		Apply TOPSIN M WSR at the rate indicated in a single application by air or ground after wheat is sown but before stem elongation has begun. Use sufficient water to obtain thorough coverage. Do not make more than one application per season. Do not graze or feed treated foliage to livestock.

NOTE: Do not graze or feed treated foliage to livestock.

NOTE: Do not graze or feed treated foliage to livestock.

**DIRECTIONS FOR USE THROUGH CHEMIGATION SYSTEMS
NOT FOR THIS USE IN CALIFORNIA**

GENERAL INSTRUCTIONS

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

Drop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform 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 intake 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.

APPLICATION INSTRUCTIONS

Observe the requirements in the System Requirements section above.

Apply TOPSIN M WSB only through systems containing anti-siphon 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.

Use water sparingly in calibration and for flushing to waste achieved by the addition of a larger volume of water to the suspension per unit time.

Application of more than recommended quantities of irrigation water, especially in high soil organic matter, may reduce product performance.

Do not apply when wind speed favors drift which is likely to cause significant crop injury when it reaches, to not provide uniform distribution of the spray. If drifting the product cannot be halted and must be dismantled and drained in a center pivot system, link the nozzle set near the wellhead/injection unit to prevent spray being applied to this area.

Allow sufficient time for pesticide to be flushed through all lines and 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 calcium 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 mix tank and entire metering system. Flush with clean water.

Prepare a suspension of TOPSIN M WSB in mix tank. Fill the tank with water to the desired amount. Irrigate with water until the agitator is slow and the remaining volume of TOPSIN M WSB is then the remaining volume of water.

Sprinkler Irrigation-Notes

Observe all System Requirements and Application Instructions above.

If a center pivot system to deliver 0.1 to 1.25 inches of water per wheel line, or if a wheel and row system may reduce efficacy. Start sprinkler and travel in forward direction. Do not stop until TOPSIN M WSB in the irrigation water line is at least 100 feet from the nozzle. The suspension of TOPSIN M WSB should be checked with a pressure gauge and pump on the end of the wheel line and the pump to insure adequate mixing. Always treat water with TOPSIN M WSB has been applied to irrigate the treated area. Do not apply to areas where the product will be applied to.

Do not apply when wind speed favors drift which is likely to cause significant crop injury when it reaches, to not provide uniform distribution of the spray. If drifting the product cannot be halted and must be dismantled and drained in a center pivot system, link the nozzle set near the wellhead/injection unit to prevent spray being applied to this area.

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

Strip, Mini, Micro Sprinkler, Strip Tubing, Trickle Irrigation-Notes

Observe all System Requirements and Application Instructions above.

**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:

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.

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

IFF Northern North America warrants that this material conforms to the quality specifications on the label, and is responsible for the purposes of the warranty only for the material as shown on the label, and is not responsible for the purposes of the warranty for any other purposes. IFF Northern North America warrants that this material conforms to the quality specifications on the label, and is not responsible for the purposes of the warranty for any other purposes. IFF Northern North America warrants that this material conforms to the quality specifications on the label, and is not responsible for the purposes of the warranty for any other purposes.

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