

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

JA1, 19 1992

Rebecca A. Clemmer ELF ATOCHEM N.A. INC AGCHEM DIVISION THREE PARKWAY ROOM 619 PHILADELPHIA, PA 19102 OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Subject:

Label Amendment Submission of 08/09/93 In Response to PR Notice 93-7

EPA Reg. No. 4581-372 TOPSIN M 85 WDG

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling AND
- WITHIN one year from date of this acceptance.

Page 2

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,

Tim Tompkins, Deputy Chief Registration Support Branch Registration Division (7505W)

Attachment

with a contract of the contract of

elf atochem

NOT FOR USE IN CALIFORNIA

TOPSIN'M 85WDG

Thiophanate-Methyl Fungicide 85% Water Dispersible Granule

with CHANGETS In EPA Letter Dated

ACTIVE INGREDIENT:

14 18 JAN 18 JA

Thiophanate-Methyl(dimethyl[1,2-phenylene)-Under the Federal Insecticide, bis(iminocarbonothioyl)]bis[carbamate])*

INERT INGREDIENTS:

TOTAL:

TOTAL:

Thiophanate-Methyl(dimethyl[1,2-phenylene)-Under the Federal Insecticide, and B5% and an amount of the posterior of the poster

"Also known as dimethyl 4,4'-O-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.

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 SKIM, immediately flush skin with plenty of water. Get medical attention if irritation persists.

EPA Reg. No. 4581-372

EPA Est. No. 4581-TX-1

NET CONTENTS 3.3 Lbs/1.5 Kg

Sold by:

ELF ATOCHEM NORTH AMERICA, INC.
AGCHEM DIVISION

Philadelphia, PA

DIRECTIONS FOR USE

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

AGRICULTURAL USE REQUIREMENTS

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

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

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

- coveralls
- waterproof gloves
- shoes plus socks.

Apply TOPSIN M with ground or aerial equipment, using sufficient volume of spray to provide thorough coverage. Add required amount of TOP-SIN M to partially filled task agitated by machanical or hydraulic means, and then add remaining required amount of water. Continuous agitation is required to keep the material in suspension. Do not task mix with highly alkaline posticides, such as Bordenax mixture or lime suffer. No chain of compatibility with other pasticides is implied. Use the higher rate under conditions of severe disease pressure. Also, see Iocal State Extension Service recommendations for application achedules.

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

IMPORTANT: If, after using TOPSIN M as recommended, treatment is not effective, a tolerant strain of fungi may be present. Consult your State Agricultural Experiment Station or your State Agricultural Extension Service for advice on the prompt use of some other suitable fungicide.

TOPSIN M 85WDG-

Cree	Diseases	Lbs/Asm	Reterks
Alments	Broom Rat Messen Shight Oderation sp.)	1.3-1.6	Apply at early pink had and early pent full.
Apples (gro- lagreas)	Apple Smb (Venterin sp.) Bister Res (Comparelle sp.) Pyropest (Buldensthyrium sp.) Purdery Mildre (Purdenshames sp.) Sarry Minch (Cheecker sp.) Madi. Res	6 -13	Apply at 3- to 10-day intervals from graps sip through point full; continue at 7- to 14-day materials in cover sprays. MOTE: For control of apple dismost in the Supchasters State of Florids, Georgie, South Caroline, North Caroline and Alstones, see 2.5-3.3 pounds TOPSIN M per new.
Burns	(Physologous cp.) Cleary Model (Sheryth cp.) White Model (Schorothale sp.)	1.3-1.6 OR 9.6-1.2	Apply once at 1974 to 7074 of full bloom. Off: Apply roise with the first application at 10% to 10% of full bloom and a second application at 4 to 7 days later or at push bloom. Do not apply to room or dry bases within 14 days of hervest or to line bases within 25 days of hervest.
Colory	Early Stight (Corengers sp.) Late Slight (Depterts sp.)	6.4	Apply to the base of the plants on a 14- to 21-day schedule buginating about 2 weeks other transplanting. Off Apply on a foliar upray overy 7 to 14 days beginning about 2 weeks other transplanting. Do not apply within 7 days of herent. Do not make more than 4 applications per means.
Cocurbits (Cocumbers, outlies, pumption, summer and winter squash)	Anderstame Contacy State Slight Producy Mildre Target Spet (Contachors)	0.34.4 for ground applications OR 0.4 for savial applications	Bagis applications when planes begin to run or when dissing first appears, and repost at 7- to 14-day intervals to meeted. For Yorget Spot, use 7-day intervals at needed.
Outres	White Ret (Enlaredistrap up.)	6.27-0.4 1600 ft. of rew	Apply TOPEN! It by spraying diseastly into the open farrow at the cine of planting und, and or bullet Not for this ter through any type of livinguism system.
Peterte	Land Spot (Correspond app.)	4	Bujin applications 35 days after planting or when discent first appears and repeat at 14- to 21-day intervals as model. Use the 14-day interval under severe distant pressure. Do not apply within 14 days of barvier.
Penas	Stewn Spot (Cornespore tp.) Devey Spot (Styrenphenrile sp.) Powdry Milder (Sternphenre sp.) See) (Postelphenre sp.)	8448	Use the higher rate for years over 30 fact pall and for sorial applications in Arthonom. Usefulnes, Minatelppi, Oktoburns and Tenne. Begin applications when first hower are showing and repeat at 3- to 4-mark intervals and shook spile. Do not apply ofter shook spile.
Seyleman	Anthronome (Collectrishma sp.) Brown Spet (Departs up.) Proppe Led Spet (Corongeon sp.) Ped and Stee Slight (Observine sp. and the imperfect stage. Pleasagets sp.) Purple Seed State (Corongeon sp.)	0.403	Apply from full bloom to when periods W to W in impth. Make a case of application 14 to 21 days later. Do not easier the messal application 10-10 days the periods of the period application 10-10 days the period of the period o

Seese Freiris (pre- Barvest) —Apricote Obtofillation p) Print Breven Rat Obtofillation p) —Cherrical Denote Rat Hammon Hight (Obtofillation p) —Ponchary Milder —				
George G	Cop	Dispates Described Name Note	Lhe/Agre	
Panthes Objective op 1 Panthes Objective	I .	Odvallate sp.)	1.6	Make a second application at full
Cherries Seven Ret Heaton Hight 1.2 Apply at early bless (plant have been presented and an exceed application of the lease of the project in the lease of the project in the lease of the project in the lease of the lea				
Cherries Brown Ret Heaton Hight (Mindlets sp.) Cherries Brown Ret Heaton Hight (Mindlets sp.) Prick Brown Ret (Mindlets sp.) Prick Brown Ret (Mindlets sp.) Charry Lanf Spet (Cheesespees sp.) Charry Lanf Spet (Cheesespees sp.) Charry Lanf Spet (Cheesespees sp.) Powday Milder (P.) Prowday M				
### Process Bernes Res Bernes Right Obmillator p.	1			teders berves. If control ender covers
Provided Res Estatem Hight (Obstallins op.) —Cherries (Obstallins op.) Prof. Deven Res (Estatem Hight (Obstallins op.) Prof. Deven Res (Obstallins op.) —Charlins op.) —Provider (Charlins op.) —Pro	1			sprays at 10- to 14-day intervals
De set apply within 1 day of harvest.	Į i			
Practical Characterists Chicalitation op.	ł J			
Processor (Commission op.) Charry Lanf Spot (Convey Lanf Spot (Co	Cherries		1.2	Apply of early bloom (maly
Coloration op.)	ì			
Description of the Id-day intervals between the Id-day intervals and many produced on apply within 1 day of hereon. Do not				le addition, for Fruit Brown Ret.
Cherry Land Spot (Consequence op.) Charry Land Spot (Consequence op.) Providing Mildow (Consequence	1			
Cherry Land Spot (Consequence op.) Percent Land Land (Land Land Land (Land Land Land (Land Land Land (Land Land (Land Land (Land Land (Land Land (Land Land (Land				diseast pressure, apply additional
Cherry Lard Spot (Convergence up.) Providery Mildow (Pricingharry up. and Spharrythops up. and Spharrythops up.) Cherry Mildow (Pricingharry up. and Spharrythops up.) Cherry Lard Rescon Bight (Meditain up.) Pruit Reven Ret (Meditain up.) Pruit Reven Ret (Odenthinin up.) Cherry Lard Messen (Meditain up.) Cherry Lard Messen (Messen				
Cherry Lard Spot (Cossespens sp.) Cherry Edder (Cossespens sp.) Proving Milder (Prodesphares up. and Bahareshaus up.) Proving Milder (Prodesphares up. and Bahareshaus up.) It is a special specia	1			probativati aprops.
(Consequence sp.) Consequence sp.			4013	
Perciary Milder Provincy Milder (Prodespharre sp. and Spharrethan sp.)	1		E71.2	
Pevedary Milder (Prodespharer up, and Spharershape pa) (PLUS Apply at early Means (early papers). Make a meand application at hill bless. (PLUS Apply at early Means (early papers). Make a meand application at hill bless. (PLUS Apply at early Means (early papers). Make a meand application at hill bless. (PLUS Apply at early Means (early papers). Make a meand application at hill bless if conditions from the best of the bless of the bless. (Plus at apply at early bless (pink beat). Make a meand application at hill bless if conditions from disease development. In addition, for Prest Brown Ret. apply 1 of 2 garges derived 3 means. (Plus Brown Ret Meater in Right Obtained up.) (Profit Strow Ret Meater in Right O	ì			second and third error at 10- to
Peroday Milder (Pedesphares sp. and Sphareshans sp.)			, , , , , , , , , , , , , , , , , , ,	
(Principles of sp.) (Principles of the State of the Stat				Do not apply within 1 day of hervest.
### Plans Brown Rot Heaton Hight 1.2 Apply at shank full and first cover. Do not apply within 1 day of heaven. Do not apply within 1 day of heaven. #### Discussion of the plans o	i			
-Numerican -Number Ret Messon (Night Oderstate up) -Print flower Ret Messon (Night Oderstate up) -Print flower Ret Oderstate up) -Punches -Punches -Punches Punches	1			at hill bloom.
-Numerical Brown Ret Blaston Blight Odesthale up.) Proit Brown Ret Cléenthale up.) Brown Ret Blaston Blight Odesthale	İ			
(Menillate sp.) Prais fever Rot. (Menillate sp.) (Menil	<u></u>			
Professional Comments Prof	-Nectorious		1.2	
Gleadinia sp.)	1		1	Maga & create application is the bloom if conditions fever disease
### Plant Press Person Press Person Press Person Per				development.
-Planting Planting Brown Rot Monte in Bight Oblighting ap.; Frit River Stat Oblighting ap.; In Addition Stat Oblighting ap.; In Addition Stat Oblighting ap.; In the Indian ap.; In Addition Stat Oblighting ap.; In the Indian ap.; In the Indian ap.; In the Indian ap.; In the Indian ap.; In the				
-Planches Brown Rot Meaters Blight (Odentities pr.) Prait Brown Rot Meaters Blight (Odentities pr.) Prait Brown Rot (Chadesportum pr.) Pract (Chadesportum pract (Chadesportum pr.) Pract (Chadesportum pract (1	ļ		before harvest. If another under covere
-Planchas Brown Rot Hierar is Bight Obtomine ap.; Prof. Brown Rot (Odenthing ap.) Prof. Brown Rot (Odenthing ap.) Prof. Brown Rot (Odenthing ap.) Prof. Scab (Condesportant ap.) Purch Scab (Condesportant ap.) Apply at early bloom (girch burdent ap.) Apply at early bloom ap.) Purch Scab Note of the scal desportant ap. Purch Scab Note of the scal desportant ap. Purch Scab Apply at early bloom ap. Purch Scab Note of the scal desportant ap. Purch Scab Note of the scal desportant ap. Purch Scab Apply at early bloom ap. Purch Scab Note of the scal desportant ap. Purch Scab Note of the scal desportant ap. Purch Scab Apply at arriy bloom ap. Purch Scab Note of the scal desportant ap. Purch Scab Apply at arriy bloom ap. Purch Scab Apply at arriy bloom ap. Purch Scab Apply at arriy bloom ap. Purch Scab Apply at arri				oproye at 10- to 14-day intervals
Do not apply within 1 day of horvest.	1		1	harven fell bloom and final
(Monitoria sp.) Profit Brown Rat (Monitoria sp.) (Monit	L_	<u> </u>		
Prof. Brown Ret. Odentitate up.) Description for Prof. Brown Ret. Opin 1 or 2 sprays starting 3 weeks before hervest. If easied state arrows denote preserve, apply siddle state professor sprays Denote apply within 1 day of hervest. PLUB Apply at early bloom (pink bud). Make a second application at full bloom. Pros. Denote apply within 1 day of hervest. Plant Odentitate up.) Prof. Brown Ret Beston High: Odentitate up.) Prof. Brown Ret Beston High: Odentitate up.) Prof. Brown Ret Beston High: Odentitate up.) In addition, for Prof. Brown Ret, apply 1 or 2 sprays starting 3 weeks below hervest. If seaded under strong denote pressure, apply within 1 day of hervest denote pressure, apply within 1 day of hervest Blant Rest Othersyste up.) Blant Rest Othersyste up.) Leaf Spot Consessures up.) 1.2 Apply at pred bit, day of hervest by and the day of hervest by a to 1-4-by intervals. Do not apply within 1 day of hervest at 10- to 14-day intervals Do not apply within 1 day of hervest at 10- to 14-by intervals and died over aprays at 10- to 14-by intervals and first, named, and died over aprays at 10- to 14-by intervals and first, named, and that over aprays at 10- to 14-by intervals and first, named, and that over aprays at 10- to 14-by intervals at 10	Peacher		1.2-1.9	
(Meedinin op.) development in addition, for Projet Brown Res., apply 1 or 2 groups starting 3 weeks before hervest. If easied under severe disease present apply additional aprepor at 16-to 14-day intervals between fell them and final probarvest sprays. De not apply within 1 day of hervest.				
-Please Protection of the pr				der-departe
Description	1			
Proch Scab (Cindesportum sp.) 13-1.9	1		Ì	before horvest. If another water severe
Deliver fell bleen and final grahervest apply within 1 day of hervest. De set apply within 1 day of hervest. De set apply within 1 day of hervest. Deliver setting to set apply at early bleen (pink bud). Make a second application at fell bleen if oracleicans fover dismandered parts. Plant				
Puch Scab (Christopertum sp.) 1.2-1.9 (Christopertum sp.) 1.2-1.9 (Christopertum sp.) 1.2-1.9 (Christopertum sp.) 1.2-1.9 (Apply at early bloom (pink bus). Make a second application at hill bloom if conditions fover downs development. FLUB Apply at these split and at first cover opens. Do not apply within 1 day of bereast (Montlinks sp.) Prote Brown Ret (Montlinks sp.) Blank Rest (Blank Rest (Blank Rest (Blank Rest (Blank Rest) 1.2 Apply at pro-bloom, pand hill, and at first, normal, and third cover sprays at 10- to 14-day intervals. Do not apply within 1 day of hervant (Concempose up) 1.2 Apply at pond hill, chast, and at first, normal, and third cover sprays at 10- to 14-day intervals and 1 apong 14- to 21 days other harvant.				between full blesse and final
Plants Seab (Cindesportum sp.) (Cindesportum		L	1	
Commence	Į.			Apply at early bloom (pink bud).
PLUS Apply at shorts split and at first cover agrays. Do not apply within 1 day of horoset. Do not apply within 1 day of horoset and Prison Prof. Street Ret Do not apply at early bloom (green tip). Make a second application at full bloom. In addition, for Prof. Street Ret, apply 1 or 2 sprays starting 3 weeks below here. If eached under server desses prisons, apply additional appropriate prisons, apply additional appropriate prisons. Do not apply within 1 day of horoset (Bhotypes ap.) Do not apply within 1 day of horoset (Bhotypes ap.)		(Cindesportus sp.)		Make a second application at full.
Apply of thest split and at first cover spray. De not apply within 1 day of hervest and (Medilinh sp.) Protes Prote	1	1		development.
-Plean and (Monditate op.) Prote Stores Ret (Monditate op.) Prote Stores Ret (Monditate op.) Prote Stores Ret (Monditate op.) Prote Stores Ret (Monditate op.) Prote Stores Ret (Monditate op.) Prote Stores Ret (Monditate op.) Prote Stores Ret (Monditate op.) Prote Stores Ret (Monditate op.) Prote Stores Stores (Monditate op.) Prote Stores (Mondita	1	1		
Present Serves Ren Messent Might (Memiliate op.) Present (Memiliate op.) Present (Memiliate op.) Present (Memiliate op.) Present (Memiliate op.) District Serves Ren (Memiliate op.) District Serv	1	Į.	l .	CONTRACTOR
(Montlinin sp.) Profe Bryon Ret (Montlinin sp.) (Montlin		Same San Street Street	 	T
Protein Prote Beet (Mindish sp.) In addition, for Prote thrown Ret, apply 1 or 2 sprops starting 3 weaks below herves. If acaded mole stream disease promon, apply californial sprops at 16-to 16-day intervals between fell bloom and final proharment sprops. Do not apply wides 1 day of hervest first, normal, and daid cover aprops at 16-to 16-day intervals 10-to 16-day intervals 10-to 16-day intervals and at first, normal, and that cover aprops at 18- to 16-day intervals and 1 aprop 14-to 21 days of the hervest.			1.3	Make a count application at full
pply 1 or 2 sprops starting 3 weeks below hervor. If each of sever disease prevent, apply odditional sprops at 10- to 10-day intervals between full bloom and final prohervant sprops. Do not apply within 1 day of hervor. Do not apply within 1 day of hervor. Leaf Spot (Consempose up) 1.2 Apply at pro-bloom, paid bill, and at first, and at first, sented, and third erver sprops at 10- to 10-day intervals. Do not apply within 1 day of hervor. Leaf Spot (Consempose up) 1.2 Apply at posal bill, climph, and at first, sented, and third erver sprops at 10- to 10-day intervals and 1 spray 14 to 21 days after hervors.	Press			Moon.
Leaf Spot Leaf Spot (Concempose up)	}		1	apply 1 or 2 sprays starting 3 weeks
Sproys at 10- to 14-day intervals between full bloom and final probaryous sproys Do not apply within 1 day of horvest (Otheryou up.) Lanf Spot (Concempose up.) 1.2 Apply at pro-bloom, point hill, and at first, named, and third orver sproys at 10- to 14-day intervals. Do not apply within 1 day of horvest (Concempose up.) 1.2 Apply at poul bill, shapl, and at first, named, and third orver sproys at 10- to 14-day intervals and 1 appay 14 to 21 days after harvest.	1			before betreet. If needed mader severy
Derveen fell bleen and final probarms sprays. Do not apply wides 1 day of herveet (Dibetryee up.) 1.2 Apply or pro-bleen, posel fell, and or first, named, and died sever sprays at 10- to 14-day intervals. Do not apply within 1 day of herveet (Consempose up.) 1.2 Apply of posel fell, almoh, and at first, named, and thank ever aprays at 10- to 14-day intervals and 1 spray 14 to 21 days after hervest.			l	sprays at 10-to 14-day intervals
Do not apply widen 1 day of horoust	[Į.	ļ	between hill bloom and final
Minh Rost (Bihotype sp.) 1.2 Apply of pro-bloom, post fall, and at first, normal, and third erver sprays at 10- to 14-day intervals. Do not apply white 1 day of hervals (Concempose up) 1.2 Apply of post fall, shapl, and at first, notated, and third erver sprays at 10- to 14-day intervals and 1 apray 14 to 21 days after hervals.			<u> </u>	Do not apply within I day of horouge.
Leaf Spot Leaf Spot (Consempose up) 1.2 Apply of petal bill, shock, and at first, spotsel, and thank, and at first, spotsel, and thank army aprays at 10- to 14-day intervals and 1 spray 14 to 21 days after harvest.			1.2	Apply at pro-bloom, potal fall, and at
Do not apply within 1 day of heroust	1	(January 760 sp.)	1	
(Consempose up) Erst, second, and then every sprays at 10- to 14-day intervals and 1 apray 14 to 21 days after harvest.				Do not apply white I day of harrows
at 10- to 14-day intervals and 1 spray 14 to 21 days after barvest.	}		1.3	
14 to 21 days after barrent.		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		at 10-10-10-day intervals and 1 spray
Do not apply within 1 day of barrent				
		<u></u>		Do not apply within I day of harrows.

Crep	Distrines	Ule/Acre	Lhe/100 Gal	Remarks
Structurin	Prost Ret (Botypis sp.) Led Slight (Dushuphens sp.) Led Storeh (Objesserpen sp.)	4648		Regin applications at early bloom and earlies at 7- to 10-day intervals. Use the ligher rate East of the Ranky Mountains and under conditions of arvers disease preserve. Do not apply within I day of barvers.
Sugar Beets	Leaf Spot (Corompore sp.)	0.3-0.4		Bugin applications when dismost first appears and repeat at 14- to 21-day intervals as useded. Do not apply within 21 days of hervest.
Segar Case (Havnä esty)	Pinnepple Dinnee (Thinkelopels up. or Clausecyalls up.)		Q.4	Apply to out send pinner as a solid or but dp. Cold Dip—lemmers send pinner to provide thereugh overage reports and allow to drain.
_			€2	Her Dip—Maintain temperature of dip at 37°C and such treed plane for 20 minutes, remove and allow to drain. Do not use treated and planes for food, fond or fedder. Do not great or find treated longs to livested.
Fall-Souted Wheel (Links, Oragen & Washington only)	Prominencepessille op. (Feat Rat. Stravisnaker, Eye Spec)	Q.S		Apply TOPSIN M at the rate indicated in a single application by air or ground other what is allowed but before man elements to obtain the rate to obtain thereugh coverage. Do not make more than our out out on the large of application pur out for large of application. Do not out for large of application. Do not out for large of application to great in treated arms before hervors.

CHEMIGATION

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

Crop injury, lack of effectiveness, or illegal pasticide 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.

the system down and make necessary adjustments should the need arine. Do not connect chamigation 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 presentized water and posticide injection system must meet the following requirements.

TOPSIN M 85WDG

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., displacam pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION:

Observe the requirements in the System Requirements section above. Do not apply when wind speed favors drift beyond the area intended for treatment.

Apply TOPSIN M 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 arrigation 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.

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

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

TOPSIN M 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.

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

SPRAY PREPARATION:

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

Prepare a suspension of TOPSIN M in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of TOPSIN M and then the remaining volume of water.

APPLICATION INSTRUCTIONS:

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 into the irrigation water line so as to deliver the desired rate per acre. The suspension of TOPSIN M should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

NOTE: When treatment with TOPSIN M has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.



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, waterproof gloves, 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.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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, 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.

TOPSIN M 85WDG

Supplemental labels are available for Tank Mixes for use on the following

rops: Apples		TOPSIN M	+	Captan 50 WP or Captan 80 WP
Apples		TOPSIN M	+	Sulfer
Stone Fruits		TOPSIN M	+	Sulfer
Stone Fruits	-	TOPSIN M	+	Capton SOWP or Capton BOWP
Stone Fruits	_	TOPSIN M	+	Ziren
Pusauts	-	TOPSIN M	+	Punceusb 80WP or Mancoosb

Contact your Regional office for a copy of the label.

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

Elf Alochem North America warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to herein, subject to the risks referred to herein. ELF ATOCHEM MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL ELF ATOCHEM 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.

Elf Atochem 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 Elf Atochem.

Made and Printed in U.S.A.