Mr. Mark G. Wiltse Scoller Chemical Company, Inc. 8582 Katy Preeway, Suite 200 Houston, TX 77024 SEP 28 1987

Dear Mr. Wiltse:

Subject: Amendment - Revised Labeling
Top Cop Tri-Basic Flowable Fungicide/Bactericide
EPA Registration No. 22555-4
Your Submission Dated August 14, 1987

The labeling referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

- Submit/cite all data required for registration/reregis/cration
  of your product under FIFRA section 3(c)(5) when the Agency
  requires all registrants of similar products to submit such
  data.
- 2. Make the changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Add "Causes eye irritation" to the Human Hazards statements.
  - b. Modify Endangered Species labeling, replacing existing language with that in PR Wotice 87-5.
  - c. On Supplemental Labeling for Chemigation, delete paragraph 5 on page 1 since the devices from paragraph 2 serve the same purpose for public water systems. Use of both sets of instructions would be confusing. Change "irrigation pump" to "injection pump" in Mon-Public Water System instructions.
- 3. Submit one (1) copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(a). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Richard P. Nountfort Product Hanager (23)
Fungicide-Eerbicide Branch
Registration Division (TS-767C)

Enclosure

FRONT PANEL



# PRECAUTIONARY STATEMENTS

**Hazards to Human and Domestic Animals** 

### CAUTION

is not apply this product in such a manner as to directly or through drift exposi-oriests or other persons. The area being treated must be vacated by unprotected ersons. Do not enter treated areas without protective clothing until aprays have ded.

hitten or oral warmings must be given to workers who are expected to be in a treat-d area or in an area about to be treated with this product. (Indicate specific oral igs which inform workers of areas or fields that may not be ente emengs which whom womes or areas or meds mat may not do emerced window pacific protective clothing, period of time field must be viscated and appropriate clions to take in case of scoldental exposure.) When only wernings are given, warnup shall be given in a language customarily understood by workers. Oral warn-up, must be given if there is reseon to believe that written warnings cannot be nderstood by workers. Witten warnings must include the following information: AUTION Area treated with TOP-COP TRI-BASIC Flowable Fungicide/Sectoricide n (date of application). Do not enter without appropriate protective clothing until prays have dried. In case of contact, flush side or eyes with plenty of clear water; x eyes, get medical attention."

lecause certain states may require more restrictive reentry intervals for various crops sed with this product, consult your Suite Department of Agriculture for further

### **ENVIRONMENTAL "IAZARDS**

'Me product is locic to fish and equatic organisms. Do not apply directly to water. is not apply where ruroff is likely to occur. Drift and ruroff from treated areas may a hazardous to fish and equatic organisms in adjacent equatic sites. Do not conaminete weter by cleaning of equipment or disposal of wester.

#### **ENDANGERED SPECIES RESTRICTIONS**

is a violation of Federal laws to use any posticide in a menner that results in the leath of an endangered species or adverse modification of their habitat. The use of this product may pose a hazard to certain Federally designated endenpred species known to occur in specific areas within the following countles:

STATE Species (Butletin No.)	COUNTY		
CALIFORNIA Science Grees (EPA/ES-85-13)	Solano		
TENNESSEE Stackwater Darter (EPA/ES-85-04)	Lawrence Wayne Hancock		
Freelinater Museels (EPA/ES-85-07)	Cialborne Hawkine Sullivan		
ALABAMA Slackwater Derter EPA/ES-85-05)	Lauderdale Limestone Madison		
VIRGINIA FreeInveter Mussele (EPA/ES-85-06)	Grayeon Smyth Scott Lee Weshington		

letors using this product in the above counties you must obtain the EPA Bulletin pacific to your area. This Bulletin Identifies areas within these counties where the se of this posticide is prohibited, unless specified otherwise. The EPA Bulletin is ellable from either your County Agricultural Extension Agent, the Endangered sectes Specialist in your State Wildlife Agency Headquarters, or the appropriate agional Office of the U.S. Fish and Wildlife Service, TX18 BULLETIN MUST BE NEWED PRIOR TO PERTICIDE USE.

**ACTIVE INGREDIENT:** 

Copper (in basic copper sulfate)

expressed as metallic INERT INGREDIENTS:

Total

SEP Contains 4.2 pounds copper/ga MIXING DIRECT RECOMMENDA

Fit the agenty tank approximately half full of wat the required amounts of TOP COP 11-Basic. Ad tuariers full and when a sorbeder attcher in recor nounts. Fill the spray tank and keep aglassor ru

# KEEP OUT OF REACH OF CHILDREN CAUTION

68/29.0%

.71.0%

100.Ď9K

# STATEMENT OF PRACTICAL TREATMENT:

If swallowed, induce vomiting.

if on skin, remove by washing.

If in eyes, wash with large amounts of water and get medical attention.

Harmful II swallowed, Avoid breathing spray mist. May cause irritation of nose, throat or skin. Avoid contact with skin and eyes. Protective clothing (long pants, long sleeve shirt, gloves, hat and boots) must be worn during mixing and loading, in case of skincontact, remove with washing; for eyes, wash with copious amounts of water and get medical attention. May cause skin sensitization in certain individuals.

SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

### STORAGE AND DISPOSAL

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

Protect from freezing: This product freezes at 30°F.

Stacking Instructions: When woring palls, stack him pallets high on the pallet, with a maximum of two patiets high.

If container is leaking or demaged, transfer contents and label to suitable container - avoid prolonged storage or exposure to mild steel. Absorb splits with dry absorbent and dispose of as directed below.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed

resource trappear it makes resouring from the use of the product may be desposed of on all an approved wester facility.

Container Disposel: Triple rines (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in sanitary lendfill, or by inclineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Net Volume: 5 Gallons Net Weight of Contents: 69.5 Pounds

EPA Reg. No. 22555-4

**EPA Establishment No** 



22555-MN-1, 22555-FL-1

# **METHODS OF AP**

Spray applications can be made by ground equifor uniform coverage as suggested on the back Chemigation: For injection in sprintder impattor ing available from your chemical supplier.

### NOTICE - Read Carefully.

Conditions of Sale: Stoller (and Seller) offer(s) t buyer and all users are deemed to have accept and warranty which may only be varied by writing representative of Stoffer.

Warranty Limitation: Stoller warrants this produ tion on the label and is ressonably fit for the pur for use on the label subject to the inherent risk no other express warranties. There is no impli there are no warranties which extend beyond to

inherent fitelis: The directions for use of this sand should be followed carefully. However, it is sociated with use. Buyer assumes all risks ass this product contrary to label instructions or re conditions.

Limitation of Liability; in no case shall Stoller i sequential damages resulting from the use or hi of any kind shall be greater in amount then th respect of which such damages are claimed.

MANUFACTUE

# Stoller Chemical (

8582 Katy

Housto 71

80

recript corresponds to first letters of lot number on pail.

BEST AVAILABLE COPY

### DIRECTIONS FOR USE

\$ C	•			DIRECTIONS	ומט אטז פ	t .	• •	•	The state of the s
20 Ber 1	Disease Controlled	Amount to Use	Minimus Spray Volumes	Application Guide	Crop	Diseases Controlled	Amount to Use	Minimum • • • Fyrmy Vehicles	Application Outdo
FRUITE AND MA	JTS				VEGETABLES A	NO FIELD CROPS		ng 4 4 4 4 •	
Abrends	Shat Hole Separa Pat	4 to 7 qts./A	Citude-4FO gal/A Concentrate-25 gal/A Aprial-30 gal/A	Dormant application should use higher rates. Bud agrays should be applied at sink had shrough poccers stope at lower rates. Spray before 50%	Atletie	Corcespore Loui Spot Laptespheerydra Lauf Spot	1 quetA	Ground-20 pach	Apply 1C to SI days before horsest or earlier It Secret Revolutes. And symplest consider vario- tics such as Laborator.
Apriose	Shell Hub Brown Fall	4 to 6 ga/A	Dibuto-300 gal/A Concentrate-25 galfA Anriel-28 galfA	focus and do not apray when trees are in leaf.  Dormant application to control Shot Hole or loud infast elevated to applied at higher raises. Brown Ref control parage should be applied through bad stage up to peccen stage at lower raises. Do not apray when trees are in half.	New	Angular Lauf Spot Anthracnose Sectorial Stight Downy Militian	1 to 19t pic.A	Crust-29 pulk	State treatment when plants are about 5 inches the and repeat of 5 to 7 day beloveds.
8				stage up to papears stage at lawer raise. On not apray when tross are in had.	Books	Downy Militiaer Last Blight Last Spot	1 to 2 qualit	Count Street	boils when decree first appears and report a new 7-to 10 days.
Avecades	Adhitecture Black Scale	154 q4e/160 gal.	Spray to well	Begin treatment when bisecont buds open. Report at 4 week beanels for a lotal of 5 appli- cations. Apply only within 140 days of bloom.	Sugar Beets Cole cross:	Cercoepera Lani Spot	21/2 qualit.	Ground-20 path. Aarlai-6 path. Ground-20 path.	Bugin when disease first appears and report every 7 to 10 days. South when whenh one when arrowd in what had
Barries Baciderries Boyserberries Devterries	Anthropiese Leaf and Care Spot	Tile specially gal.	Spray to will	Begin spray when leaf buds begin to open. Repeat when Sower buds show white and con- tinue at 10 to 14 day intervals	Broccoli Brassels aprouts Cathoge Cauliflower	Doerly Mildow Land Spot	in a quest	Ground-20 gold. Antal-8 gold.	Begin when plants are shown ground in plant bed or leaters discount increasity supports. Regard at 7 to 10 days intervals in plant bed and field.
Boysenberries Deuterries Legenberries Responries	Valley rutt	76 qts/300 pcl.	Spray to wet	Postharvest apray after prening, but before fell rain.	Cotords Kohrabi Mustard				, .
Charies (Sout)	Shat Hain Brown Fat Madeura Might	3 qta/140 qut. 1 qt/100 gal.	Spray to well Spray to well	Apply on dormant spray only. Apply at papears and lists bloom stages. In lists below stage spray, add 5 pounds bydraled lime per 100 pallens. Apply at petal hill. Add hydrated lime.	Radishes Turnips Carrots	Downy Milder			;; ;; ;; ;
Cirus	Loof Spot	2 e(a/10) gal.		per 100 gidleris. Apply at petal full, £3d hydrated livre.	Carrota	Corcepora Leaf Spot Alternate Leaf	1 to 2 qtsA	Ground-20 gath. Aurist-6 gath.	Begin treatment when disease first appears and repeats at 7 to 10 days learneds.
Grapefruit Lamons Limes	Melanan	2 to 4 <u>psLA</u>	Dibyto-1500 galfA Concentrato-25 galfA Aprial-10 galfA	Apply 1 to 3 weeks after potal fall, where there is a history of disease resistency: a set apring or late or scattered bloom, apply a second spray 4 weeks base. Adding flowable author may improve controlled.	Colory	Bight Bacterial Bight Early Bight Late Bight	1 to 2 qts/A	Ground-20 gaid.	Test every 7 days after amorphose.
Granges Surgerises Surgerises	Scale	2 to 4 galfi,	Others 1500 galfil Concentrate-25 galfil Aurial-10 galfil	control.  Apply just before Rush and apply at 16 petal fall.  Rush is Blady to be aware, use double the rate in the first spray. Under conditions of high moleture, spray summer and fall flushes when	Cucurbits Cantaloupes Cucumbers Meions Pumplins	Angular Last Spot Anthracrose Alternarie Last Spot Bacterial Wilt	1 to 2 qts/A	Ground-20 galifi. Aurial-5 galifi.	Sogin treatment when plants begin to ving and repect every 7 to 10 days. In decase plantings, apriga every 3 to 4 days, may be received. A pre- envaryance application may help decrease info- tions of Angular led aprd, Anthreacese and Alternatio lead aprd.
	Grossy Spot	1 to 2 galiti	Dibyte-1500 galfA Concentrate-25 galfA Aprial-10 galfA	If scan is may to be sever, see doubt the rate in the first appro. Under conditions of high moisture, spray summer and fall flushes when new growth begins to appear. Sprays may be appled at any time during the two months after expension of serly spring flush and widely expension of late spring or other flushes. For greesy spot and pink pitting, make a summer spray. Annie when disease enemy or immediately	Squesh	Downy Mildeer Powdery Mildeer Burnny Stern Blight Leef Spot Scats			•
•	Benom Rat	f to Tile gold.	Dibate-1500 galifi. Concentrate-25 galifi. Aartal-10 galifi.	Apply when disease occurs or immediately en appearance of infected link. DO NOT me on Velencias.	Eggriant	Atarnerie Blight Anthrocese Phomopale	199 to 2 qts/A	Ground-17 calif. Actal F 193.	Segin in plant had or in field before disease ap- pears. Report at 7 to 10 day interests.
NMC 10P 00P 36	Braic Florette Fergicide/	Bactericide in companion wit			Lattuce	Downy Milden	2 to 3 ptoA	Groun. Antial 5 p	Sogic treatment when decree first appears and repeat at 7-10 day intervals.
after the field has a Filters .	atained a star of 54 ligh Rectarted Starts	in diameter and during ho 1 gm/100 gel	Spray to not	This use of copper and all combinations should be articled.	Onlone	Purple Blotch Downy Milder	2 qtsA	Ground-20 publik Annol-5 maak	Books when plants are 4 to 6 inches and report
	. •	phie 1 pint superior type of	•	Apply in early fall, in sesson of heavy minfull, apply again when three fourths of leaves have drapped.	Pappers	Anthrachose Bacterial Spot Early Blight Carbospore Loaf	1½ to 2 qts/A	Ground-20 to 40 galds. Aastal-10 galds.	Start sprays in seed but and continue in field at 7 day intervals. During tribing use higher rate and values.
Grapes	Anthraceae Black Flot Downy Milden	1 10 156 gtsA	(Made-200) galifi Concentrate-25 galifi	Make first application when now growth is 1/2 inch long and repeat every 10 to 14 days.	•	Spot Cowny Mildew			5
Hope	Downy Milden	1 qs/100 gal,	Spray to wet	Apply as a crown treatment (after pruning but before training). After training, trust at 10 day intervals. Discontinue use 2 weeks before hervest.	Potatoes Peenuts	Early Blight Late Blight Cercospora Lauf	Acty E of S 1 to 2 year	Ground-20 to 40 gc/A Andel-10 gelfA Ground-30 gelfA Andel-8 gelfA	Segin when plants enemys and repost at 7 to 10 day interests. The sp. 14 day interests through pesson.
Clines	Leef Spot (Peacock Spot)	74 to 1 point	Other-300 gelfit Concentrate-25 gal/s	Apply in tell. Use lower rate where less than 10 inches of	Soinach	Spot Anthrachose	2 ersA	Anrial & galifi. Ground-30 anist. Anrial & galifi.	Propose at 100 to 14 day intervals through passon. The addition of 1140T Presents Soften at 2 quarts per arrel soft authorics laid spot control. Begin when officeses first appears. Report at 7 to 10 day intervals.
Penchan - Hectarines	Brown Fot Peach Blade	T to 1% galfA	<del>-</del>	reinfeit is expected.  Apply before bad swell and in full pink bud stage. DO MOT apply ofter pink bud or effer trees are in lauf as index years occur. Apply	··	Cercospora Leef Spot Downy Wilden	- 4	Anito & gially	10 day laterals.
	Brown Rol Prach Hight (Shat Hole) Lad Curl Peach Hight Backerid Diseases	TVz galdi.	Dibute -300 gelfi. Concentrate-25 gelfi. Aurial-20 gelfi. Dibute-300 gelfi. Concentrate-25 gelfi. Aerial-20 gelfi.	IN IBN DARDIN THE FRANK HAGIN. (13/15 IS 12/15)	Tometoes	Anthracnose Restored Court	2 etsA	Ground-20 to 40 galiA Austal-10 galiA	Begin in seed bed or field before disease appears. Report at 7 to 10 day laterels. A tank mix with laterels, used at labeled rates, controls bread range at terrator disease. Consens at car/zone and finitedrote on the label of all
Page and Apples	fire <b>Stight</b>	1% pVA	Other-400 galf. Concentrate-25 galf.	Apply at 10% bloom and repeat at 5 to 7 day intervals during bloom. DO NOT use on D'arjou, Cemice er Sechel verieties.		Bacterial Cantor Bacterial Cantor Early Dight Late Bight Last Mold Hail Hood Past			carlions and finitations on the label of all products used in michans.
Phone and Propes	Brown Aut Shet Hole	1 gal/A	Ditute-300 galfA Concentrate-25 galfA Agrisi-20 galfA	Apply at early green lauf and full popcorn stages. Apply as dormant trestment before heavy fell rains.		Spot Spot			
Strauberries	Land Spot	2 qts/100 gel.	Spray to wel	Apply problems and positions.	Wheat and Barley	Septone Leef Blotch	3 to 4 pts/A	Ground-20 galiA Auctol-5 galiA	litate first application at early bearing and fation with second application 10 days later.
White	MgN	2 to 216 quart.00 gal.	Other-300 point. Concentrate-25 point. Acrist-28 point.	Begin application in early problem (1% pixtl- lets and califor bloom showing). Apply second application during 10 to 20% plottlete and	•	*leiminthoporum Soot Bloich	easion inhibitor—app	•	for except just prior to anticlosted frost condition will

SC 752 B

Apply this product only through a sprinkler such as a Center Pivot; lateral move, side (wheel) roll, solid set or hand move irrigation system.

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 non uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service Specialist, equipment manufacturer or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label - prescribed safety devices for public water system are in place.

A person knowledgeable of the chemigation systems 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.

### Public Water Systems Connections

Public water system means a system for the provision to the public 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.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water systems should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top of overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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 contain a functional, normally closed, solenoith-operated valve located on the intake side of 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 a functional check valve, vacuum relier valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump when the water pressure decreases to the point where pesticide distribution is adversely affected.

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 irrigation 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.

## General Recommendations

complete cycle or cover area

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 Top Cop Tri Basic and capable of being fitted with a systems interlock.

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

Top Cop Tri Basic fungicide/bactericide can be injected directly into the system undiluted or may be diluted with water and with agitation mixed with other pesticides or fertilizers prior to injection. Once diluted, agitation must be maintained until injected or settling will occur.

For center pivot lateral move and side roll systems, apply continuously during the last full coverage with a fixed minimum water setting and maintain constant speed of movement.

For hand move or solid set system, apply during the final 15 minutes of the irrigation period.

Use the minimum amount of water required to get full even coverage and yet avoid excessive run off.

Calibrate system by adjusting the injector to deliver product at the required rate using the following equation to calculate amount required

Acres in circle Gallons of TOP COP TRI BASIC recommended
Acres to be treated x per acre x 128

Number of Hours to 60

Ounces of undiluted TOP COP This Basic ... to be injected injected

Apply only through properly maintained irrigation system providing uniform "distribution of water. Where a system does not provide uniform water distribution, such as at the extreme ends of the lateral, around supports, or where extreme changes in elevation occur, unacceptable disease control may occur. Because of uneven distribution of treated discharge water from water-powered motors, pesticide applications through water-powered systems are not recommended.

BEST AVAILABLE COPY

Subsequent operation of the system before several days have elapsed after the spray dries may result in decreased product performance by removing the pesticide from the zone of effectiveness.

Do not apply when system connections or fittings leak, when nozzles do not provide uniform distribution, or when lines containing the product must be dismantled or drained.

Flush all lines following injection of Top Cop\_Tri Basic to avoid product settling in lines.

# NOTICE Read Carefully

Conditions of Sale: Stoller (and Seller) offer(s) this product for sale subject to (and buyer and all users are deemed to have accepted) the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stoller.

Warranty Limitation: Stoller warrants this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below. Stoller makes no other express warranties. There is no implied warranty or merchantability and there are no warranties which extend beyond the description on the label hereof.

Inherent Risks: The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

Limitation of Liability: In no case shall Stoller be liable for special indirect or consequent damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.

