10163-226

11/17/2008

,



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

> OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

NOV 1 7 2008

Kyla S. Smith Registration Specialist Gowan Company P.O. Box 5569 Yuma, AZ 85366-5569

SUBJECT: Application for Pesticide Notification – Added CA Restrictions Botran® 5F Fungicide EPA Reg. No. 10163-226 Application Dated September 26, 2008

Dear Ms. Smith:

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

If you have any questions, please call me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

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

\$EPA	Environmental Weshing	gton, DC 2046	0	×	Registratio Amendme Other		OPP Identifier Number
99, MARINE MARINE STRUCTURE CONTRACTOR OF MARINE	ß	Application	n for Pesticide - Se	oction I	 		
. Company/Product Number 10163-226	·		2. EPA Product M Mary Waller	leneger			posed Classification
. Company/Product (Neme) Botran 5F			PM#	,			
. Name and Address of App	blicant <i>(Include ZIP Cod</i>	le) .	6. Expedited R	leview.		s with	FIFRA Section 3(c)(3)
Gowan Company P.O. Box 5569 Yuma, AZ 85365			(b)(i), my producto: to: EPA Reg. No.		lar or toentica NOV ({		
Check if this	is a new address		Product Name	8			
ne i ne in complete di la contra contra di contra d		1	Section - II			anning, mars cana	
Amendment - Explain	below.		Final priz	nted labels	in response to		
	onse to Agency letter o	hated	Agency	letter date	d		
							· · ·
X Notification - Explain	Delow.		Other - I	Explain bel	ow,		
			Section - M	men ole të statu e			
			Section - III				
	Be Packaged in: Unit Packaging		Section - III Water Soluble Peckeging Yes		2. Type of Co	nteiner Actel	
Child-Resistent Packaging	Unit Packaging		Water Soluble Packaging			Aetal Tastic	
1. Material This Product Will Child-Resistant Packaging Yes No * Certification must be submitted	Unit Packaging Yes	No. per container	Water Soluble Packaging			Aeta	
Child-Resistant Packaging	Unit Packaging Yes No If "Yes" Unit Packaging wgt.		Water Soluble Packaging Yes No H-"Yes" No. p Package wgt conta	iner	P C C C C C C C C C C C C C C C C C C C	Aetal Testic Slass Paper Other (Sp	
Child-Resistant Packaging Yes No Certification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt.	container 4. Size(s) Reta	Water Soluble Packaging Yes No H-"Yes" No. p Package wgt contai il Container	iner	etion of Label	Actal Tastic Slass Paper Other (Sp Direction	
Child-Resistant Packaging Yes No Cartification must be submitted Label	Unit Packsging Yes No If "Yes" Unit Packsging wgt. Information	container	Water Soluble Packaging Yes No H-"Yes" No. p Package wgt contai il Container	iner	etion of Label	Actal Tastic Slass Paper Other (Sp Direction	n8
Child-Resistant Packaging Yes No Cartification must be submitted Label	Unit Packsging Yes No If "Yes" Unit Packsging wgt. Information	container 4. Size(s) Reta	Water Soluble Packaging Yes No H-"Yes" No. p Package wgt contai il Container	5. Loc	ation of Label	Actal Tastic Slass Paper Other (Sp Direction	n8
Child-Resistant Packaging Yes No Certification must be submitted Label C C. Manner in Which Label 15	Unit Packsging Yes No If "Yes" Unit Packaging wgt. Information container Affixed to Product	Container 4. Size(s) Retain Lithograp Paper g Stencile	Water Soluble Packaging Yes No Heckage wgt container aph flued sol Section - IV	ther	Petion of Label I On Labeling	Aetel Tastic Slass 'aper Diter (Sp Direction	ns panying product
Child-Resistant Packaging Yes No Certification must be submitted 3. Location of Net Contents	Unit Packsging Yes No If "Yes" Unit Packaging wgt. Information container Affixed to Product	container 4. Size(s) Retain 4. Size(s) Retain 4. Size(s) Retain Paper g Stencile 5. Stencile	Water Soluble Packaging Yes No Heckage wgt container aph flued sol Section - IV	ther	assery, to proce	Aetel Mastic Slass aper Other (Sp Direction Direction Direction Direction	ns panying product
Child-Resistant Packaging Yes ^o No ^o Certification must be submitted 3. Location of Net Contents Lebei C 6. Manner in Which Label 18 1. Contact Point (Complete Name Kyla S. Smith	Unit Packaging Yes No If "Yes" Unit Packaging wgt. Information Container Affixed to Product items directly below for ments I have made on by knowingly false or m	container 4. Size(s) Retain 4. Size(s) Retain Paper g Stencile br identification 1 Certificat this form and a	Water Soluble Packaging Yes No Package wgt container il Container section - IV of individual to be contact. Title Registration Specialist	ther	rate and complexity or issamely of a second	Aetel Mastic Slass appor Direction Direction Direction account ass this a dephone 28-819-	application.) Nc. (Include Area Code) 1531 6. Date Application Received (Stamped)
Child-Resistant Packaging Yes ^o No ^o Certification must be submitted 3. Location of Net Contents Lebei C 6. Manner in Which Label is 1. Contact Point (Complete Name Kyla S. Smith	Unit Packaging Yes No If "Yes" Unit Packaging wgt. Information Container Affixed to Product items directly below for ments I have made on by knowingly false or m	container 4. Size(s) Reta Lithogre Paper g Stencile or identification Certificat this form and a sisleading state 3	Water Soluble Packaging Yes No Package wgt container il Container Section - IV of individual to be contact. Title Registration Specialist ion all attachments thereto are ment may be punishable by	ther	ration of Label I On Label I On Labeling	Aetal Tastic Slass aper Direction ecomp	application.) Nc. (Include Area Code) 15:11 6. Date Application Received
Child-Resistant Packaging Yes No Certification must be submitted D. Location of Net Contents Lebel C C Manner in Which Label 18 Lebel C C S. Manner in Which Label 18 Lebel C S. Manner in Which Label 20 Lebel C S. Manner in Which 20 Lebel C S. Manner in Which 20 Lebel C S. Smith 20 Lebel C S. Signeture C S. Sig	Unit Packaging Yes No If "Yes" Unit Packaging wgt. Information Container Affixed to Product items directly below for ments I have made on by knowingly false or m	container 4. Size(s) Reta Lithogra Paper g Stencile or identification Certificat this form and a sisteading state 3 F	Water Soluble Packaging Yes No Package wgt container il Container Section - IV of individual to be contacto Title Registration Specialist ion all attachments thereto are ment may be punishable by S. Title Registration Specialist	ther	ration of Label I On Label I On Labeling Inservy, to process I rate and completeness or oprisonment or completeness of the service of the service of the service of the service of the service of the ser	Aetal Tastic Slass aper Direction ecomp	application.) Nr. (Include Area Code) 15:1 8. Date Application Received (Stamped)
Child-Resistant Packaging Yes No Certification must be submitted Label C C. Location of Net Contents Label C C. Manner in Which Label 18 . Contact Point (Complete Name Kyla S. Smith I certify that the state I acknowledge that an both under applicable	Unit Packaging Yes No If "Yes" Unit Packaging wgt. Information Container Affixed to Product items directly below for ments I have made on by knowingly false or m	container 4. Size(s) Reta Lithogre Paper g Stencile or identification 1 Certificat this form and a sisleading state 3 5	Water Soluble Packaging Yes No Package wgt container il Container Section - IV of individual to be contact. Title Registration Specialist ion all attachments thereto are ment may be punishable by	ther	ration of Label I On Label I On Labeling Inservy, to process I rate and completeness or oprisonment or completeness of the service of the service of the service of the service of the service of the ser	Aetal Tastic Slass aper Direction ecomp	application.) Nc. (Include Area Code) 15:1 6. Dete Application Received (Stamped)

.

.



P.O. Box 5569 & Yuma, AZ 85366-5569 & Phone (928) 783-8844 & FAX (928) 343-9255

September 26, 2008

Mary L. Waller Fungicide Branch US EPA, Registration Division (7505P) One Potomac Yard 2777 South Crystal Drive Arlington, VA 22202

RE: Notification of minor changes per PR Notice 98-10 Botran 5F Fungicide, EPA Reg No. 10163-226

Dear Ms. Waller:

We are submitting notification to inform you of the following changes that have been made to the Botran 5F label. In accordance with PR Notice 98-10, we are submitting the following to support this notification:

- EPA Form 8570-1 Application for Pesticide
- One (1) copy of the proposed label
- One (1) copy of the EPA stamped label

The minor changes are as follows:

- Added "Do not apply less than 2 quarts per application in California" to celery, florence, and fennel.
- Added "except CA" to neck rot in onions, low rate on snap beans (pole varieties), post harvest decay in sweet potatoes, greenhouse seed potatoes or transplants, chrysanthemums, geraniums, roses, hydrangeas and conifers.

This notification is consistent with the provisions of PR Notice 98-10 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 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 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.

Thank you very much for your help. If you have any questions or comments, please do not $\frac{1}{6}$ to $\frac{1}{6$

С

Sincerely,

BAU IFA

Kyla S. Smith, Registration Specialist

Botran[®] 5F Fungicide

4/,5

ACTIVE INGREDIENT:	% BY. WT.
2, 6-dichloro-4-nitroaniline	46.7%
OTHER INGREDIENTS	53.3%
	TOTAL 100.0%

Contains 5 lbs. dicloran per gallon

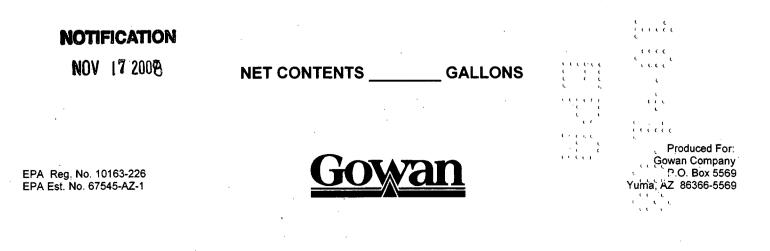
KEEP OUT OF REACH OF CHILDREN

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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing	 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.
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 eye. Call a poison control center or doctor for treatment advice.
	HOT LINE NUMBER
Have the product co	ontainer or label with you when calling a poison control center or doctor, or going for treatment.
You may a	also contact 1-888-478-0798 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid inhalation of spray mist. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling.



PL JONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Natural Rubber, Polyethelene, Polyvinyl Chloride and Viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart. All mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (except applicators using motorized ground equipment, flaggers and pilots)
- Shoes plus socks

See engineering controls for additional requirements.

Early Entry Personal Protective Equipment

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
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material

USER SAFETY RECOMMENDATIONS

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instruction for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

Applicators using motorized ground equipment must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, applicators must:

- Wear long-sleeved shirt, long pants, shoes, socks; and
- Either wear a half face NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number
 prefix TC-21C or a NIOSH-approved respirator with any N,R,P or HE filter or use an enclosed cab that is
 declared in writing by the manufacturer or by a government agency to provide at least as much
 respiratory protection as the respirator specified above;
- Be provided and have immediately available for use in an emergency when they must exit the cab in treated area: chemical-resistant gloves and, if using an enclosed cab that provides respiratory protection, a respirator of the type specified above;
- Take off any PPE that was worn in the treated area before reentering the cab; and
- Store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

ENVIRONMENTAL HAZARDS

This product is toxic to fish.

This product may contaminate water through runoff. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment, washwaters or rinsate.

This chemical can contaminate surface water through spray or dust applications. Under some conditions, it may also have a potential for runoff into surface water after application.

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.

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.

Grapes: Do not enter or allow worker entry into treated areas during the restricted entry interval of 14 days when applied to grapes. Notify workers of the application by warning them orally and by posting warning signs at the entrances to treated areas. Cane turning and girdling grapes is prohibited for 30 days following applications of DCNA.

All other crops and use patterns: For all other crops and use patterns, do not enter or allow worker entry during the restricted entry interval of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, and relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product. Do not make any type of application into temperature inversions.

WIND SPEED: Do not apply at wind speeds greater than 10 mph at the application site.

DROPLET SIZE: Apply as a medium or coarser spray (ASAI standard 572).

RELEASE HEIGHT (GROUND APPLICATION): Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

RELEASE HEIGHT (AERIAL APPLICATION): Do not release spray at a height greater than 10 feet above the ground or crop canopy.

Additional requirements for aerial applications:

- The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter
- · Aerial applicators must consider flight speed and nozzle orientation in determining droplet size
- When applications are made with a cross-wind, the swath will be displaced downwind. The applicator
 must compensate for this displacement at the downwind edge of the application are by adjusting the
 path of the aircraft upwind

Additional requirements for airblast applications:

- Direct sprays into the canopy
- Turn off outward pointing nozzles at row ends and when spraying outer rows

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

CHEMIGATION STATEMENT

This product can be applied through the following types of chemigation systems: Sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, or drip irrigation systems. Do not apply this product through any other type of irrigation system. Refer to section entitled GENERAL CHEMIGATION USE INSTRUCTIONS for specific directions for use.

GENERAL USE DIRECTIONS

Apply lower rates of BOTRAN 5F Fungicide when disease pressure is anticipated to be light. Use higher rates for severe disease pressure.

COMPATIBILITY

BOTRAN 5F Fungicide can normally be mixed with other fungicides, insecticides, or defoliants. It is suggested that such combinations be used on a small number of plants before treating large areas. However, combination sprays of BOTRAN 5F and miscible oil formulations of insecticides, particularly organic phosphorous compounds, may cause plant injury. Check for compatibility before large-scale treatment. Do not combine with any products unless previous use or small-scale treatment has proven mixture is physically compatible and safe to plants. When mixing BOTRAN 5F Fungicide with any other product, add wettable powder or dry flowable formulations first, and then add liquid products.

DILUTION DIRECTIONS

The rate required for thorough, uniform coverage varies with plant growth at time of application. Except as specified for certain uses, the following rates are intended to cover a broad range of conditions.

DILUTE APPLICATION: Field, row, greenhouse, and nursery crops: Apply specified rate in 50-100 gals. of water per acre. **Tree and vine crops:** Apply specified rate in 50-500 gals. of water per acre.

CONCENTRATE APPLICATION: Field, row, greenhouse, and nursery crops: Apply specified rate in not less than 10 gals. of water per acre. **Tree and vine crops:** Apply specified rate in 50-100 gals. of water per acre. Special concentrate equipment is necessary for these applications.

AIR APPLICATION: Field, row, tree, and vine crops: Apply specified rate in a minimum of 5 gals. of water per acre.

PREHARVEST INTERVAL

8/15

The required days between the last application and harvest are given in () after each crop name.

USE LIMITATIONS

Do not exceed the maximum rate of BOTRAN 5F Fungicide per acre or the time limitations specified for the individual crops.

CROP	DISEASE	DOSAGE QTS./ACRE	COMMENTS
APRICOTS (10)	Fruit decay Monilinia brown rot Rhizopus rot	1 ¹ /5	Apply 18 days and 10 days before harvest.
		more than 31/5	5 quarts formulated product per acre per year.
GRAPES (14)	Bunch rot Botrytis rot Botrytis stem rot Storage rot Botrytis	1 ¹ /5	Begin applications when disease is anticipated. Repea applications at 7-day intervals or as needed.
J	cinerea		
	of 14 days w	hen applied to	er entry into treated areas during the restricted entry interva grapes. rapes is prohibited for 30 days following application of Botrar
	 Do not apply BOTRAN 5F varieties such 	used in comb h as Fiesta	5 quarts formulated product per acre per year. pination with sulfur products may cause marking to sensitive pes grown west of the Rocky Mountains only.
PEACHES	Blossom blight	1 ¹ /5	For blossom blight, apply at pink bud and full bloom. For
(10),	Monilinia		fruit decay, apply 18 days and 10 days before harvest.
NECTARINES	Fruit decay		
(10)	Monilinia		· · · · · ·
	brown rot		
	Rhizopus rot		
			5 quarts formulated product per acre per year.
PLUMS, PRUNES (10)	Blossom blight Monilinia brown rot	1 ¹ /5	Apply at popcorn and full bloom.
		more than 31/5	5 quarts formulated product per acre per year.
SWEET CHERRIES	Blossom blight Monilinia	1 ¹ /5	For blossom blight, apply at popcorn, bloom, full bloom and petal fall. For fruit decay, apply 10 days before tharvest.
(10)	Fruit decay Monilinia brown rot	•	
	Rhizopus rot		
	 Do not apply 	more than 31/	5 quarts formulated product per acre per years and
· ·			

	(9
<u> </u>	C		OR USE ON ROW CROPS
CROP	DISEASE	DOSAGE QTS./ACRE	COMMENTS
CELERY (7)	Pink rot Sclerotinia sclerotiorum	1 ¹ /5* – 2 OR	Multiple applications: Begin application when disease is anticipated or approximately 10 weeks before harvest. Repeat at 7-day intervals in summer or 14-day intervals in fall and winter. May be applied up to 7 days before harvest.
		3 1/5	OR Single Application: If early disease is not likely, make a single application of 3 1/5 qts. of BOTRAN 5F Fungicide per acre 7 days before harvest. Use a sprayer with a drop nozzle boom to direct spray to the base of plants and adjacent soil.
			uarts per application in California. uarts formulated product per acre per year (5lbAl/acre/year).
FLORENCE FENNEL (7)	Pink rot Sclerotinia sclerotiorum	1 ¹ /5* – 2 OR 3 ¹ /5	Multiple applications: Begin application when disease is anticipated or approximately 10 weeks before harvest. Repeat at 7-day intervals in summer or 14-day intervals in fall and winter. May be applied up to 7 days before harvest. OR
			Single Application: If early disease is not likely, make a single application of 3 ¹ /5 qts. of BOTRAN 5F Fungicide per acre 7 days before harvest. Use a sprayer with a drop nozzle boom to direct spray to the base of plants and adjacent soil.
			uarts per application in California. 5 quarts formulated product per acre per year.
ENDIVE (ESCAROLE) (14)	Gray mold rot Botrytis cinerea	1 ³ /5	Apply 7 days following transplanting. Repeat application when plants are half-mature. Do not apply to wilted plants or seedlings. OR Apply at thinning and repeat application 7 days later. Use
			a sprayer with a drop nozzle boom to direct spray to the lower portion of plants and surrounding soil.
	 Notes: Som temporary na 	ne leaf bronzin ature.	5 quarts formulated product per acre per year. g may be noted soon after application, but the effect is of a AN 5F Fungicide per season may be applied.

9/15

	· (
LETTUCE	Drop rot	3/5	At time of planting: Apply ³ /5 qt. in a 4-6 inch band over			
(LEAF AND	Watery soft rot		seedlings after seeding or before transplanting.			
HEAD) (14)	Sclerotinia		Transplants may be sprayed following planting.			
, (, , ,		3/5 -1⁴/5	Prethinning: Apply ³ /5-1 ⁴ /5 qts. as a directed spray over			
	sclerotiorum		unthinned seedlings.			
	Sclerotinia	1 ⁴ /5 - 3 ¹ /5	Post-thinning (direct seeded) and Established			
	minor	170 070	Transplants: Apply $1^4/5 \cdot 3^1/5$ qts. as a basal drench in 50			
	Gray mold rot		100 gals. of water as soon after thinning as possible.			
	Botrytis		Following this treatment, soil surrounding the plants			
	cinerea		should not be disturbed. A second post-thinning			
			treatment may be made if significant soil disturbance			
			occurs or high soil moisture conditions exist.			
	Do not apply	more than 31/	5 quarts formulated product per acre per year.			
			above treatments may be made to the same crop; howeve			
,			¹ /5 qts. of Botran per acre per crop or within 14 days of			
	harvest.	more than o	To dis. Of Dottain per acre per crop of within 14 days t			
		applying in a	band, do not reduce the per acre rate.			
			litions or tank-mix combinations may cause minor leaf			
			emporary and quickly outgrown.			
ONIONS (14),	White rot	$2 - 3^{1}/5$	Direct seeded: For white rot control, apply a 5 inch ban			
GARLIC (14),	Sclerotium	2 - 5 75	over seed row/bed and incorporate in to 1½ inches of so			
SHALLOTS	cepivorum		1-2 weeks before onions are seeded. Use restricted t			
(14)	Copirorani		eastern Oregon, eastern Washington, and western Idaho			
(14)			Planting sets or buds: For white rot control in furrow			
			applications, use low-pressure spray equipment. Use 50			
			mesh or coarser screens. Center the front nozzle on the			
			furrow. Spray a 5-inch band on 40-inch beds.			
	Leaf blight	1-2	Apply when disease is anticipated. Repeat at 14-da			
,	Botrytis rot	•	intervals if necessary.			
	Botrytis					
	cinerea		· · ·			
	Neck rot	1 -2	Apply when disease is anticipated. Repeat at 14-day			
	Botrytis allii		intervals if necessary.			
	(except CA)					
		more than 31/	5 quarts formulated product per acre per year.			
POTATOES	Botrytis blight	1 ¹ /5	Apply beginning at layby. Continue applications at 10-1			
(14)	White mold		day intervals.			
	Sclerotinia					
	sclerotiorum					
	Do not apply more than 6 quarts formulated product per acre per year.					
	• Note: Use is	limited to the	North Central (MI, MN, ND & WI) and North Western (ID,			
	OR & WA) st	tates only.				
POTATOES	White mold	$1^{1}/5 - 3^{2}/3$	For white mold, begin treatment when vines are within 6 -			
(20)	Sclerotinia		8 inches from closing of rows just prior to layby.			
. ,	sclerotiorum					
	 Do not apply 	more than 6 g	uarts formulated product per acre per year.			
			Idaho, Oregon and Washington only.			

. . . .

SNAP BEANS (2)	White mold Sclerotinia sclerotiorum	1 ¹ /3	Bush varieties: Begin $a_{r,r}$ ications when disease is anticipated and continue at 7-day intervals during periods favorable to the development of disease.
	(Sclerotiniose)	1 ³ /5 (except CA)	Pole varieties: Begin applications when disease is anticipated and continue at 7-day intervals during periods favorable to the development of disease.

DIRECTIONS FOR USE ON SWEET POTATOES

CROP	DISEASE	COMMENTS
SWEET- POTATOES	Scurf Monilochaetes infuscans Sclerotial blight Sclerotium rolfsii	 Seed dip: Mix 3/5 quarts of Botran 5F in 7½ gals. of water. Dip seed sweet potatoes 10 to 15 seconds in a well-agitated Botran 5F Fungicide suspension. Drain sweet potatoes and bed promptly. Prepare fresh Botran 5F Fungicide suspension daily. Plant bed spray: For a 42 inch plant bed, mix 5.73 oz of Botran 5F in 14 gals. of water per 1000 linear ft. of plant bed. Spray or sprinkle Botran suspension over bedded sweet potatoes before covering them with soil. Do not exceed 3 1/5 guarts per acre.
		 more than 3¹/5 quarts formulated product per acre per year. Do not plant tomatoes as a follow-up crop. Postharvest: Mix 3/5 quarts of Botran 5F rate in 100 gals. of water. Spray using 8001 fan-shaped nozzle at 50 - 70 psi immediately after washing while the potatoes are conveyed on chain rollers or belts. Do not rinse after treatment. In recirculating systems, as volume decreases, make up to original volume with suspension equivalent to ³/5 qt. of Botran 5F Fungicide per 100 gals. of water. Where black rot is a problem, do not recirculate used spray suspension. Root Dip: Dip roots for 5 to 10 seconds in well-agitated suspension of 3/5 quarts of Botran 5F Fungicide to 100 gals. of treating suspension after 500 bushels are treated. After each 1000 bushels treated, drain and flush tank. Refill with fresh dip suspension.

.

• • • •

ι

			R/F		
· .	DIRECTIC) FOR USE (ON GREENHOUSE AND JTHOUSE //S		
CROP	DISEASE	DOSAGE QTS.	COMMENTS		
CUCUMBERS (1)	White mold Sclerotinia sclerotiorum	⁴ /5 per 100 gallons of water	Apply when disease first appears to diseased areas of plants.		
		y more than 4/	5 quarts formulated product per acre per year.		
LETTUCE (LEAF ONLY) (14)	Gray mold rot Botrytis cinerea	1 ³ /5 per 100 gallons of water			
	 Certain env bronzing wh 	vironmental co nich should be t	/5 quarts formulated product per acre per year. onditions or tank-mix combinations may cause minor leaf temporary and quickly outgrown.		
RHUBARB (3)	<i>Botrytis</i> leaf rot	⁴ /5 per 100 gallons of water	Begin application when first buds emerge from crowns.		
			5 quarts formulated product per acre per year.		
GREENHOUSE SEED POTATOES OR TRANSPLANT	<i>Botrytis</i> blight White mold <i>Sclerotinia</i> <i>sclerotiorum</i>	2 tablespoons per gallon of water	Use a hand sprayer and spray vegetation to the point of drip. Apply at 7-10 day intervals as necessary. Make a maximum of 9 applications per crop.		
S (except CA)	 Do not apply more than 3¹/5 quarts formulated product per acre per year. Treated potatoes shall not be used for human or animal consumption. 				
TOMATOES (10)		•	to 24 inches. Repeat weekly or as necessary. Seedlings or newly set transplants may be injured by drenching. /5 quarts formulated product per acre per year.		
	 Do not make 	e more than 4	applications per crop.		

i cecce

....

ι ε ι ι ι ι ε ι ι ι ι ι ε ι ι ι ι ι

¢,

(((, (((((((

• • • • • • • • • • • •

CROP	DISEASE	DOSAGE	COMMENTS
		- QTS.	·
HRYSANTHEMUMS,	Blight	3/5 per	Apply to stock cuttings or greenhouse plants. Spray
GERANIUMS,	Botrytis	150-200	when disease is anticipated or first appears.
ROSES (except CA)		gals. of	
		water	
	 Do not ap 	ply more that	n 3/5 quarts formulated product per acre per year.
GLADIOLUS	Blight	3/5 per	Foliar/Field: For Botrytis control, apply spray mixture
	Botrytis	100 gals	with enough pressure to force fungicide between
	-	of water.	spikes. Use full coverage spray.
		2/5 per	Stored: For Botrytis control, mix recommended rate in
		100 gals.	100 gals. of water. Spray Botran suspension on slower
		of water	spikes after cutting and before shipment or storage.
	Dry rot	3/5 per 75	Bulb Dip: For dry rot control, mix recommended rate in
	Stromatinia	gals. of	75 gals. of water. Soak bulbs for 20-30 seconds in a
		water	suspension.
		3/5 per	Furrow: For dry rot control, spray a band into furrow
		acre	at planting time so that treated soil surrounds corms.
			Treat a 3-inch band with spray directed at corms in
			furrows spaced 3 feet apart (14,250 linear feet of
			furrow per acre.)
	Do not ap	ply more that	n 3/5 quarts formulated product per acre per year.
ROSES,	Blight	3/5 per	Field plants: Spray before shipment or storage.
IYDRANGEAS	Botrytis	100 gals.	Stored plants: Spray storage area thoroughly. Spray
except CA)		of water	or dip plants.
	 Do not ap 		n 3/5 quarts formulated product per acre per year.
CONIFERS	Blight	$3/5 - 1^{1}/5$	Foliar: Mix recommended rate per acre in sufficient
container, bareroot,	Botrytis	per acre	water for thorough and complete coverage. Apply as a
and greenhouse			foliar spray when disease is anticipated or first
grown conifer			appears. Use 1 ³ /5 for severe disease pressure.
nursery stock			Repeat at 10-14 day intervals. Spray foliage until
conifer seedlings of			thoroughly wet. Alternating BOTRAN 5F with other
Douglas fir,			fungicides is recommended.
Hemlock, Noble fir,		4/5 per	Stored: Spray storage area thoroughly. Spray or dip
Sitka spruce,		100 gals.	plants. Repeat application during long storage periods.
Nestern red cedar		of water	
and redwood),			1
CHRISTMAS TREES	 Do not ap 	ply more that	n 1 ¹ /5 quarts formulated product per acre per year.
nursery, field,			
greenhouse,			
container, bareroot			
stock) (except CA)			L. L.
(except CA)			
SIOCK) (EXCEPTICA)			
			t .

ίι(ι ι ει ι ει ι ι ι ι

GENERAL CHEMIGATION USE INSTRUCTIONS

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, and drip 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 questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers, 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 systems are in place.

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.

CHEMIGATION SPRINKLER CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

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 system 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 or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

In addition, all directions and requirements specified for SPRINKLER OR DRIP CHEMIGATION SYSTEMS must be followed.

SPRINKLER OR DRIP CHEMIGATION SYSTEMS

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, or in cases where there is no water pump, 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.

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

BOTRAN 5F should be injected at the end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until all BOTRAN 5F has been cleared from the last emitter.

4

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container and keep closed. Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. **DO NOT REUSE EMPTY CONTAINER.**

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.

For other product information contact Gowan Company or see Material Safety Data Sheet

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILTY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. To the extent consistent with applicable law, all such risks are assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY

TO THE FULLEST EXTENT PERMITTED BY LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

BOTRAN[®] 5F is a registered trademark of Gowan Company, LLC. Chemtrec[®] is a registered trademark of American Chemistry Council, Inc.

EPA TEXT: BOTRAN 5F (EPA NOTIFICATION 9-26-08)