

10163-189

2/18/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Kyla Smith
Gowan Company
P.O. Box 5569
Yuma, AZ 85366

FEB 18 2010

Subject: Amendment date 11/5/09
Botran 75-W Fungicide
EPA Reg. No. 10163-189
Decision # 423675

Dear Ms. Smith,

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, for voluntary cancellation of carrots is acceptable, providing the following label changes are made.

On page 1,

1. Align the ingredient values and total. Also add the common chemical name "Dicloran" to the active ingredient statement.

On page 2,

2. Add the heading "Engineering Controls for Water Soluble Packets" within the text box starting "Pilots must use".
3. Within the second text box, prior to the text starting "Discard clothing", replace the heading "User Safety Recommendations" with "User Safety Requirements". Then prior to the text (within the same box) starting "Users should", add the heading "User Safety Recommendations".
4. Reorder page 2 as follows, Personal Protective Equipment, User Safety Requirements, Engineering Controls for Water Soluble Packets, User Safety Recommendations, Environmental Hazards, and Directions for Use.

On page 3,

5. Within the sentence starting "Droplet size: apply as a medium", replace "ASAI" with "ASAE".

6. Within the General Use Directions section, add the following sentence: Observe the most restrictive of labeling limitations and precautions of all products used in mixtures.

On page 4,

7. Within the Mixing Directions box, add a line space before the bolded text starting “If this product is NOT”.

On page 5,

8. For line item #3, within the parenthesis, replace “table above” with “table 1”.

On page 6,

9. For the preharvest interval statement at the top of the page, revise as follows:
The preharvest interval (i.e. the required number of days between the last application and harvest) are given in parenthesis after each crop name.
10. Within the comments section for Apricots and Peaches/Nectarines, replace “apply 18 days” with “apply at 18-day intervals”.

On page 7,

11. Within the rate lbs/A column for celery, add “(multiple applications)” following the number 2. Also place the text “single application” following 5 ½ in parenthesis.
12. Within the comments section for lettuce, delete the extra period at the end of the sentence starting with the word “Prethinning”.

On page 10,

13. Within the rate column for greenhouse seed potatoes or transplants, abbreviate “tablespoons” or resize the column.

On page 13,

14. Add the row headers on page 12 for the remaining rows on page 13.

On page 14,

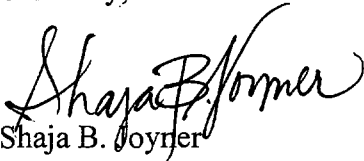
15. Within the storage and disposal section, replace the heading “Container Disposal” with “Container Handling”.
16. Within the last paragraph of the warranty statement, replace “To the fullest extent permitted by applicable law” with “To the extent consistent with applicable law”.

On pages 6-14,

17. Standardize the fraction formats and fonts.

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Enclosed please find a copy of the label stamped "Accepted with Comments". Please submit one copy of the final printed label before the product is released for shipment. If you have questions concerning this letter, please contact Shaunta Hill at 703-347-8961 or myself at 703-308-3194.

Sincerely,



Shaja B. Boyner
Product Manager, Team 20
Fungicide Branch
Registration Division (7505P)

Enclosure(s): Label stamped Accepted with Comments

BOTRAN[®] 75-W

Fungicide

(Wettable Powder or Water-Soluble Bags)

ACTIVE INGREDIENT:

2,6-dichloro-4-nitroaniline.....

% By Wt.

75%

OTHER INGREDIENTS.....

25%

TOTAL 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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 container or label with you when calling a poison control center or doctor, or going for treatment.	
You may 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 dust or spray mist. Avoid contact with skin or eyes.

NET CONTENTS _____ POUNDS

ACCEPTED
with COMMENTS
In EPA Letter Dated
FEB 18 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
this pesticide
is registered under EPA Reg. No.
10163-189

NOT FOR MANUFACTURING OR POSTHARVEST USE EXCEPT AS SPECIFIED ON THE LABEL.

EPA Reg. No. 10163-189
EPA Est. No. 67545-AZ-1

Gowan
The Go To Company

Produced For:
Gowan Company
P. O. Box 5569
Yuma, AZ 85366-5569

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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.

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

Mixers/loaders supporting groundboom and airblast applications must wear at least a half-face NIOSH-approved respirator with:

- A dust/mist filter with MSHA/NIOSH approval number prefix TC-21C; or
- A canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14g; or
- A cartridge or canister with any N,R,P, or HE filter

A quarter-face cup-style dust/mist filtering respirator is not permitted

See engineering controls for additional requirements

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)]. Water-soluble packets when used correctly qualify as a closed mixing/loading system under the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)].

Mixers and loaders using water-soluble packets must:

- wear the personal protective equipment required in the PPE section of this labeling for mixers and loaders; and
- be provided, and must have immediately available for use in an emergency such as a broken package, spill, or equipment breakdown: chemical-resistant footwear and the respirator type specified in the PPE section of this label.

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.

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 application 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 10mph at the application site.

DROPLET SIZE: Apply as a medium or coarser spray (ASA 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 area 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

GENERAL USE DIRECTIONS

Apply lower rates of Botran 75-W Fungicide when disease pressure is anticipated to be light. Use higher rates for severe disease pressure. Do not exceed the maximum rate of Botran 75-W Fungicide per acre or the time limitations specified for the individual crops.

Aerial application is prohibited for product not packaged in Water Soluble Bags.

Chemigation is prohibited for product not packaged in Water Soluble Bags.

COMPATIBILITY

Botran 75-W Fungicide can normally be mixed with other fungicides, insecticides, or defoliant. It is suggested that such combinations be used on a small number of plants before treating large areas. However, combination sprays of Botran 75-W Fungicide 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 75-W 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 20 to 100 gallons of water per acre. **Tree and vine crops:** Apply specified rate in 20 to 500 gallons of water per acre.

CONCENTRATE APPLICATION: Field, row, greenhouse, and nursery crops: Apply specified rate in not less than 10 gallons of water per acre. **Tree and vine crops:** Apply specified rate in 20 to 100 gallons 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 gallons of water per acre.

MIXING DIRECTIONS

If this product is packaged in water-soluble bags, please read and observe the following directions for use:

- Packets containing Botran 75-W are water-soluble. Avoid exposing inner bags to moisture.
- Do not allow bags to become wet prior to adding to the spray tank.
- Do not handle inner bag with wet hands.
- Reseal outer bag in a manner that protects remaining packets from moisture.
- Turn on spray tank agitation prior to adding water-soluble packets.
- To prepare the spray mixture, drop the required number of unopened packets, as determined in Table 1, into the spray tank while filling with water to the desired level (whenever possible direct the fill water over the top of the packets to increase the rate of package dissolution). Where dosages of Botran 75-W are expressed as fractions of pounds, prepare the tank mix load to the lower of the nearest whole pound.
- Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within approximately three to five minutes from the time they were added to the spray tank.
- Once the packets have completely dissolved, add other chemicals following conventional mixing order practices. (See section entitled COMPATIBILITY.)
- Tank-mix solutions containing boron will affect the solubility of the water-soluble film. Thoroughly rinse the spray tank of any boron – containing spray solution prior to adding any water-soluble packets. When preparing tank mixes containing boron, add the correct amount of Botran 75-W to the spray tank first. Make sure that the water-soluble packets are completely dissolved. Add boron preparations to the spray tank last. High concentrations of boron may cause dissolved water soluble bag material to precipitate and form insoluble residue in the spray tank system.

If this product is **NOT** packaged in water-soluble bags, please read and observe the following directions for use:

- Turn on spray tank agitation. Pour recommended amount of this material on the surface of water in a nearly filled spray tank.
- Add balance of water to fill the tank.
- Keep agitator running during filling and spraying operations. Do not allow mixture to stand.

Table 1

Water Soluble Packet Acre Conversions (Acres per Packet) for Various Application Rates of Botran 75-W.

Botran 75-W Application Rate (rate per acre) lbs	Acres Treated per Water Soluble Packet (1 lb/Packet)
1	1
1 1/3	0.75
1 2/3	0.6
2	0.5
2 2/3	0.38
3	0.33
3 1/3	0.30
5 1/3	0.19
6	0.17

To calculate the number of water soluble packets for your spray mix:

1. Determine the number of acres to be treated.
2. Locate proper application rate in the crop-specific section.
3. Divide the total number of acres to be treated by the acres treated per water soluble packet corresponding to the desired rate. (See table above for broadcast application rates and corresponding acres per packet.)

Sample Calculations:

- If the desired application rate is 2 lb/acre, then acres treated/packet = 0.5.
- Assuming 17 acres to be treated, 17 acres divided by 0.5 acres/packet = 36 packets.

Note: If the resulting number of packets is not a whole packet, round up or down to the nearest whole number of packets and check to make sure that the resulting number of acres/packet falls within the desired rate range for the application.

PREHARVEST INTERVAL

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

DIRECTIONS FOR USE ON TREE AND VINE CROPS

CROP	PEST	RATE LBS./ACRE	COMMENTS
APRICOTS (10)	Fruit decay <i>Monilinia</i> brown rot <i>Rhizopus</i> rot	2	Apply 18 days and 10 days before harvest.
	• Do not apply more than 5 1/3 lbs formulated product per acre per year.		
GRAPES (14)	Bunch rot <i>Botrytis</i> rot <i>Botrytis</i> stem rot Storage rot <i>Botrytis cinerea</i>	2	Begin applications when disease is anticipated. Repeat applications at 7-day intervals or as needed.
	<ul style="list-style-type: none">• Do not enter or allow worker entry into treated areas during the restricted entry interval of 14 days when applied to grapes.• Cane turning and girdling grapes is prohibited for 30 days following application of Botran 75-W.• Do not apply more than 5 1/3 lbs formulated product per acre per year.• Botran 75-W Fungicide used in combination with sulfur products may cause marking to sensitive varieties such as Fiesta.• Note: Use is limited to grapes grown west of the Rocky Mountains only.		
PEACHES (10), NECTARINES (10)	Blossom blight <i>Monilinia</i> Fruit decay <i>Monilinia</i> brown rot <i>Rhizopus</i> rot	2	For Blossom blight, apply at pink bud and full bloom. For Fruit decay, apply 18 days and 10 days before harvest.
	• Do not apply more than 5 1/3 lbs formulated product per acre per year.		
PLUMS, PRUNES (10)	Blossom blight <i>Monilinia</i> brown rot	2	Apply at popcorn and full bloom.
	• Do not apply more than 5 1/3 lbs formulated product per acre per year.		
SWEET CHERRIES (10)	Blossom blight <i>Monilinia</i> Fruit decay <i>Monilinia</i> brown rot <i>Rhizopus</i> rot	2	For Blossom blight, apply at popcorn, bloom, full bloom and petal fall. For Fruit decay, apply 10 days before harvest.
	• Do not apply more than 5 1/3 lbs formulated product per acre per year.		

DIRECTIONS FOR USE ON ROW CROPS

CROP	PEST	RATE LBS./ACRE	COMMENTS
CELERY (7)	Pink rot <i>Sclerotinia sclerotiorum</i>	2	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 5 1/3 lbs. of Botran 75-W 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.
		Or 5 1/3 single application	
FLORENCE FENNEL (7)	Pink rot <i>Sclerotinia sclerotiorum</i>	2 (multiple applications)	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 5 1/3 lbs. of Botran 75-W 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.
		Or 5 1/3 (single application)	
ENDIVE (Escarole) (14)	Gray mold rot <i>Botrytis cinerea</i>	2 2/3	Apply 7 days following transplanting. Repeat application when plants are half mature. 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.
LETTUCE (Leaf and Head) (14)	Drop rot Watery soft rot <i>Sclerotinia sclerotiorum</i> <i>Sclerotinia minor</i> Gray mold rot <i>Botrytis cinerea</i>	1*	At time of planting: Apply 1 lb. per acre in a 4 - 6 inch band over seedlings after seeding or before transplanting. Transplants may be sprayed following planting.
		1*-3	Prethinning: Apply 1 - 3 lbs. as a directed spray over unthinned seedlings..
		3 - 5 1/3	Post-thinning (direct seeded) and Established Transplants: Apply 3 - 5 1/3 as a basal drench in 50 - 100 galls of water as soon after thinning as possible. Following this treatment, soils surrounding the plants should not be disturbed. When using the lower rate, a second post-thinning treatment may be made if significant soil disturbance occurs or high soil moisture conditions exist.

- Do not apply more than 6 2/3 lbs formulated product per acre per year.
- Do not apply to wilted plants or seedlings.
- **Notes:** Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature. Two applications of Botran 75-W Fungicide may be applied per year.

CROP	PEST	RATE LBS./ACRE	COMMENTS
	<ul style="list-style-type: none"> *Do not apply less than 2lbs per application in California. Do not apply more than 5 1/3 lbs formulated product per acre per year. Note: One or more of the above treatments may be made to the same crop, however, do not apply more than 5 1/3 lbs. formulated product per crop. Note: When applying in a band, do not reduce the per acre rate. Certain environmental conditions or tank-mix combinations may cause minor leaf bronzing which should be temporary and quickly outgrown. 		
ONIONS, GARLIC, SHALLOTS (14) (Except CA)	White rot <i>Sclerotium cepivorum</i>	3 – 5 1/3	Direct seeded: For white rot control, apply a 5 inch band over seed row/bed and incorporate in top 1½ inches of soil 1 to 2 weeks before onions are seeded. Use restricted to eastern Oregon, eastern Washington, and western Idaho. 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 so that the spray strikes the soil around the sets and the rear nozzle sprays the covering soil as it fills the furrow. Spray a 5-inch band on 40-inch beds.
	Leaf blight <i>Botrytis</i> rot <i>Botrytis cinerea</i>	1 2/3 – 3 1/3	Apply when disease is anticipated. Repeat at 14-day intervals if necessary.
	Neck rot <i>Botrytis allii</i>	1 2/3 - 3 1/3	Apply when disease is anticipated. Repeat at 14-day intervals if necessary.
	<ul style="list-style-type: none"> Do not apply more than 5 1/3 lbs formulated product per acre per year. 		
POTATOES (14)	<i>Botrytis</i> blight White mold <i>Sclerotinia sclerotiorum</i>	2 - 6	Apply beginning at layby. Continue applications at 10 - 14 day intervals.
	<ul style="list-style-type: none"> Do not apply more than 10 lbs formulated product per acre per year. Note: Use is limited to the North Central and North Western states only. 		
POTATOES (20)	White mold <i>Sclerotinia sclerotiorum</i>	2 - 6	For White mold, begin treatment when vines are within 6-8 inches from closing of rows just prior to layby. If disease persists, subsequent applications may be applied at 7-10 day intervals.
	<ul style="list-style-type: none"> Do not apply more than 10 lbs formulated product per acre per year. Note: Use is limited to Idaho, Oregon and Washington only. 		
SNAP BEANS (2)	White mold <i>Sclerotinia sclerotiorum</i> (<i>Sclerotiniose</i>)	2 2/3	Begin applications when disease is anticipated and continue at 7-day intervals during periods favorable to the development of disease.
	<ul style="list-style-type: none"> Do not apply more than 5 1/3 lbs formulated product per acre per year. Do not feed treated foliage to livestock. In California use on bush varieties only. 		

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DIRECTIONS FOR USE ON SWEET POTATOES

CROP	PEST	COMMENTS
SWEET POTATOES	Scurf <i>Monilochaetes infuscans</i> Sclerotial blight <i>Sclerotium rolfsii</i>	Seed dip: Mix 1 lb of Botran 75-W in 7½ gals. of water. Dip seed sweet potatoes 10 to 15 seconds in a well-agitated Botran suspension. Drain sweet potatoes and bed promptly. Prepare fresh Botran 75-W suspension daily. Plant bed spray: For a 42 inch plant bed, mix 4.8 oz of Botran 75-W in 14 gals. of water per 1000 linear ft. of plant bed. Spray or sprinkle Botran 75-W suspension over bedded sweet potatoes before covering them with soil. Do not exceed 5 1/3 lb of Botran 75-W per acre.
	<ul style="list-style-type: none">• Restriction: Do not plant tomatoes as a follow-up crop.• Do not apply more than 5 1/3 lbs formulated product per acre per year.	
	Postharvest decay <i>Rhizopus</i> rot	Postharvest: Mix 1 lb of Botran 75-W 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 1 lb. of Botran 75-W 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 using 1 lb of Botran 75-W in 100 gallons of water. Do not rinse after treatment. Add ½ lb. Botran 75-W 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.

DIRECTIONS FOR USE ON GREENHOUSE AND HOTHOUSE CROPS

CROP	PEST	RATE LBS.	COMMENTS
CUCUMBERS (1)	White mold <i>Sclerotinia sclerotiorum</i>	1 1/3 per 100 gallons of water	Apply when disease first appears to diseased areas of plants. Additional applications may be required after 14 days.
	<ul style="list-style-type: none"> Do not apply more than 1 1/3 lbs formulated product per acre per year. 		
LETTUCE (LEAF ONLY) (14)	Gray mold rot <i>Botrytis cinerea</i>	2 2/3 per 100 gallons of water	Apply 7 days following transplanting. Repeat application when plants are half- mature.
	<ul style="list-style-type: none"> Do not apply more than 5 1/3 lbs formulated product per acre per year. Note: Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature. Do not apply to wilted plants or seedlings. 		
RHUBARB (3)	<i>Botrytis</i> leaf rot	1 1/3 per 100 gallons of water	Begin applications when first buds emerge from crowns and repeat at weekly intervals.
	<ul style="list-style-type: none"> Do not apply more than 1 1/3 lbs formulated product per acre per year. 		
GREENHOUSE SEED POTATOES OR TRANSPLANTS (Except CA)	<i>Botrytis</i> blight White mold <i>Sclerotinia sclerotiorum</i>	2 tablespoon s 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.
	<ul style="list-style-type: none"> Do not apply more than 5 1/3 lbs formulated product per acre per year. Treated potatoes seed pieces shall not be used for human or animal consumption. 		
TOMATOES (10)	Stem canker <i>Botrytis</i>	1 per 100 gallons of water	Spray stem of plant from ground level up to a height of 18 - 24 inches. Repeat weekly or as necessary. Seedlings or newly set transplants may be injured by drenching.
	<ul style="list-style-type: none"> Do not apply more than 5 1/3 lbs formulated product per acre per year. Do not make more than 4 applications per crop. 		

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DIRECTIONS FOR USE ON ORNAMENTALS AND ORNAMENTAL CROPS

CROP	PEST	RATE LBS.	COMMENTS
CHRYSANTHE- MUMS, GERANIUMS, ROSES	Blight <i>Botrytis</i>	1 per 150- 200 gals. of water	Apply to stock cuttings or greenhouse plants. Begin when disease is anticipated or first appears. Spray foliage and flowers at 7 - 14 day intervals. During prolonged damp, cool periods, apply every 5 - 7 days.
	<ul style="list-style-type: none">Do not apply more than 5 1/3 lbs formulated product per acre per year.Do not apply more than 1lb formulated product per acre per application.		
GLADIOLUS	Blight <i>Botrytis</i>	1 1/3 per 100 gals. of water	Foliar/field: For <i>Botrytis</i> control, apply spray mixture with enough pressure to force fungicide between spikes. Use full coverage spray.
		3/4 per 100 gals. of water	Stored: For <i>Botrytis</i> control, mix recommended rate in 100 gals. of water. Spray Botran suspension on flower spikes after cutting and before shipment or storage.
	Dry rot <i>Stromatinia</i>	1 per 75 gals. of water	Bulb Dip: For dry rot control, mix recommended rate in 75 gals. of water. Soak bulbs for 20 - 30 seconds in a suspension.
		5 1/3 per acre	Furrow: For dry rot control, spray a band into furrow 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 (14,520 linear feet of furrow per acre).
	<ul style="list-style-type: none">Do not apply more than 5 1/3 lbs formulated product per acre per year.		
ROSES, HYDRANGEAS (Except CA)	Blight <i>Botrytis</i>	1 per 100 gals. of water	Field plants: Spray before shipment or storage. Stored plants: Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods.
			<ul style="list-style-type: none">Do not apply more than 5 1/3 lbs formulated product per acre per year.Do not apply more than 1lb formulated product per acre per application.
CONIFERS container, bareroot, and greenhouse grown conifer nursery stock (conifer seedlings of Douglas fir, Hemlock, Noble fir, Sitka Spruce, Western red cedar and redwood), CHRISMAS TREES (nursery, greenhouse, container and bare root stock)	Blight <i>Botrytis</i>	2 per acre	Foliar: Mix recommended rate per acre in sufficient water for thorough and complete coverage. Apply as a foliar spray when disease is anticipated or first appears. Repeat at 10 - 14 day intervals. Spray foliage until thoroughly wet. Alternating Botran 75-W Fungicide with other fungicides is recommended.
		1 1/3 per 100 gals. of water	Stored plants: Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods.
	<ul style="list-style-type: none">Do not apply more than 5 1/3 lbs formulated product per acre per year.		

INSTRUCTIONS FOR POSTHARVEST USE

EQUIVALENTS: One and one-third (1 1/3) pounds as found in the DIRECTIONS FOR USE equals one 4-pound bag in 300 gallons. One (1) level tablespoon per gallon equals one (1) pound per 100 gallons.

COMPATIBILITY: BOTRAN 75-W Postharvest Fungicide may not be compatible for use with all postharvest fruit and vegetable waxes. Check for compatibility before large scale treatment.

DIRECTIONS FOR USE ON EDIBLE CROPS

CROP	PEST Postharvest decay)	DOSAGE LBS./100 GALS. WATER	COMMENTS
APRICOTS	<i>Rhizopus stolonifer</i> <i>Monilinia</i> rot (Brown rot)	1	Make a single application of Botran 75-W. Apply as a combination of fruit wax plus BOTRAN 75-W during packing line operations. Mix the combination in a tank equipped with mechanical agitation. Mechanically agitate combination during use. Apply the BOTRAN 75-W/wax combination to the fruit at the rate of 35-45 gals/hr. Flat-fan or flood jet nozzles should be used. Collect spray runoff in a drain tray and discard. Care should be taken to prevent plugging of nozzles.
	<ul style="list-style-type: none"> Do not treat fruit packed in containers which do not allow adequate drainage. Note: <i>R. arrhizus</i> control in apricots may only be in the range of 60% or less. 		
NECTARINES	<i>Rhizopus</i> rot <i>Monilinia</i> rot (Brown rot)	2 2/3	Make a single application of Botran 75-W. Apply only with fruit wax. Mix BOTRAN 75-W with wax in a tank equipped with mechanical agitation. The BOTRAN 75-W/wax combination should be mechanically agitated during use; bypass agitation will not keep BOTRAN 75-W in suspension. Fruit should be sprayed during packing line operations. Apply the BOTRAN 75-W/wax combination to the fruit at the rate of 30-35 gals/hour at 18-30 psi. Flat-fan or flood jet nozzles should be used. Collect spray runoff in a drain tray and discard. Care should be taken to prevent plugging of nozzles.
	<ul style="list-style-type: none"> Note: If wax containing OPP is used, the concentration of OPP in the final mixture should not exceed 0.25%. 		
PEACHES	<i>Rhizopus</i> rot <i>Botrytis</i> rot	1	<p>Make a single application of Botran 75-W.</p> <p>Spray or dip: Immediately after picking, spray or dip peaches with a suspension of BOTRAN 75-W. Do not recirculate used spray suspension.</p> <p>Processing line operations: BOTRAN 75-W is most effective when applied during or after the defuzzing process, either by brushes, spray or in the hydrocooler.</p> <p>Brushes: Apply BOTRAN 75-W to the brush with traversing feeder nozzle capable of metering approximately 10 gals. of BOTRAN 75-W suspension per hour with the valve completely open. Agitate the spray suspension. Unused suspension that drips from the brush should be caught in a drain tray and discarded.</p> <p>Spray: Direct a mist spray down upon the rotating peaches. Use pressures between 20-25 psi with a delivery system of approximately 45 gals. per hour. TJ80 nozzles are suggested. Agitate spray suspension. Collect spray runoff in a drain tray and discard.</p> <p>Hydrocooler: As volume decreases, make up to original volume by adding BOTRAN 75-W suspension of 1 lb. per 100 gals. Drain and flush daily.</p>
	<ul style="list-style-type: none"> Note: Do not treat peaches packed in containers which do not allow adequate drainage. 		

PEACHES (For freezing and canning only)	<i>Rhizopus rot</i> <i>Botrytis rot</i> <i>Monilinia rot</i> (Brown rot)	2 2/3	Make a single application of Botran 75-W. Immediately after picking, dip peaches in a suspension of BOTRAN 75-W. Continuous agitation is necessary. As volume decreases, make up to original volume by adding a suspension of 2 2/3 lbs. BOTRAN 75-W per 100 gals. of water. Drain and flush system daily. WARNING: Peaches treated with this rate of BOTRAN 75-W will have residues exceeding the established tolerance of DCNA on peaches.
			<ul style="list-style-type: none"> Do not use this fruit for the fresh fruit market. Processing for freezing and canning removes all excess residue.
PLUMS	<i>Rhizopus rot</i> <i>Monilinia rot</i> (Brown rot)	2 2/3	<p>Make a single application of Botran 75-W. For rates listed below, apply only with fruit wax. Mix BOTRAN 75-W with wax in a tank equipped with mechanical agitation. The BOTRAN 75-W/wax combination should be mechanically agitated during use; bypass agitation will not keep BOTRAN 75-W in suspension. Use flat-fan or flood jet nozzles to uniformly spray fruit during packing line operations. Care should be taken to prevent plugging of nozzles. Collect spray run-off in a drain tray and discard.</p> <p>Use conventional applicators (30-50 gals./hr.) and apply 100 gals. of the diluted BOTRAN 75-W/wax combination to approximately 50,000 lbs. of fruit.</p>
		10-12	Use low-volume applicators (5-8 gals./hr.) and apply 100 gals. of BOTRAN 75-W/wax combination to approximately 500,000 lbs. of fruit.
SWEET CHERRIES	<i>Rhizopus rot</i>	1 1/3	Make a single application of Botran 75-W. Use per 100 gals. of water. Spray cherries while sorting with a suspension of BOTRAN 75-W.
			<ul style="list-style-type: none"> Do not recirculate used spray suspension.
SWEET POTATOES	<i>Rhizopus rot</i>	1	Mix 1 lb of Botran 75-W 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 1 lb. of Botran 75-W Fungicide per 100 gals. of water. Where black rot is a problem, do not recirculate used spray suspension.
		1	Root Dip: Dip roots for 5 to 10 seconds in well-agitated suspension using 1 lb of Botran 75-W in 100 gallons of water. Do not rinse after treatment. Add 1/2 lb. Botran 75-W 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.

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DIRECTIONS FOR USE ON ORNAMENTAL CROPS

CROP	PEST (Postharvest decay)	DOSAGE LBS./100 GALS. WATER	COMMENTS
GLADIOLUS	<i>Botrytis</i> (Blight)	$\frac{3}{4}$	Make a single application of Botran 75-W. Apply spray mixture with enough pressure to force fungicide between spikes. Apply to bunched cut flower spikes after harvest and before shipment or storage.
ROSE, HYDRANGEA	<i>Botrytis</i> (Blight)	1 $\frac{1}{3}$	Make a single application of Botran 75-W. Field: Apply BOTRAN 75-W prior to shipment or storage. Stored: Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods.

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: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

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 LIABILITY 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.

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EPA Text Pending: Botran 75-W (to EPA 1-15-10)