



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

APR 25 1994

BETHANY G. HULCY GOWAN COMPANY BOX 5569 YUMA, AZ 853676

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Subject:

Label Amendment Submission of 9/15/93 Response to PR Notice 93-7

EPA Reg. No. 10163-189

BOTRAN 75W (BOTRAN 75WDG)

Dear Registrant:

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

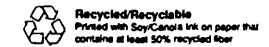
WHAT THIS ACCEPTANCE MEANS:

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

WHAT YOU NEED TO DO NEXT:

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

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



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

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

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

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

Sincerely,

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

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division

Bethany G. Hulcy GOWAN CO BOX 5569 YUMA AZ 85366

Comment for: EPA Reg Nr.10163-189 BOTRAN 75W (BOTRAN 75WDG)

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

Correct the typographical errors circled on your proposed label.

BOTRAN 75W

(BOTRAN 75WDG)

Fungicide

For: Apricot, Carrot, Celery, Cucumber, Endive, Garlic, Grape, Lettuce, Nectarine, Onion, Peach, Plum and Prune, Potato, Rhubarb, Snap Bean, Sweet Cherry, Sweet Potato, Tomato and Ornamentals.

ACTIVE INGREDIENT:

2, 6-dichloro-4-nitroaniline;

INERT INGREDIENTS

Total 100% w/w

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Remove contaminated clothing and wash with soap and water.

IF IN EYES: Flush with water. If eye imitation persists, call a physician.

IF SWALLOWED: Drink warm water and induce vomiting by touching back of the throat with finger and/or by administering syrup of ipecac. Follow with milk and a mild cathartic (Milk of Magnesia). Call a physician or Poison Control Center immediately. Never give fluids or induce vomiting if patient is unconscious or having convulsions.

PRECAUTIONARY STATMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid inhalation of dust or spray mist. Avoid contact with skin or eyes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or uning the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

DO NOT REUSE EMPTY CONTAINER.

IN CASE OF FIRE, LEAKY OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO (800) 424-9300.

BEST AVAILABLE COP

NET CONTENTS

POUNDS

with COMMENTS
in EPA Letter Dated

APR 25 1994

Under the Federal Insecticida, Fundisida, and Radenticide Act as amended, for the pasticide registered andse EPA Res. No.

GOWAN COMPANY P. O. Box 5569 Yuma, AZ 85366-5569

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

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. 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
- Waterproof gloves
- Shoes plus socks

STORAGE AND DISPOSAL

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

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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

CHEMIGATION STATEMENT

Do not apply this product through any type of irrigation system except as described in the Special Local Need registrations use directions.

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 tablespoonful per gallon equals one (1) pound per 100 gallons.

COMPATIBILITY: Botran 75WDG is compatible with wettable powder formulations of captan, Guthion, parathion, carbaryl and endosulfan. Normally Botran 75WDG can be mixed with other fungicides, insecticides or defoliants formulated as wettable powders. It is suggested that such combinations be used on a small number of plants before treating large areas. However, combination sprays of Botran 75WDG and miscible oil formulations of insecticides, particularly organic phosphorous compounds, may cause plant injury. Botran 75WDG may not be compatible for use with all post-harvest fruit and vegetable waxes. Check for compatibility before large scale treatment.

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DIRECTIONS FOR USE ON EDIBLE CROPS

Crop	Disease	Dosage lbs. per 100 gallons of water	Use
Apricot	Fruit decay Monilinia brown rot Rhizopus rot	1 1/3	Apply 10 days and 1 day prior to harvest. Allow 1 day between application and harvest.
	Postharvest decay Monilinia rot (brown rot) Rhizopus stolonifer	1	Apply as a combination of fruit wax plus Botran 75WDG during packing line operations. Mix the combination in a tank equipped with mechanical agitation. Mechanically agitate combination during use. Apply the Botran wax combination to the fruit at the rate of 35-45 gallons per hours. 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. Note: Do not treat fruit packed in containers which do not allow adequate drainage. R. arrhizus control in apricots
Carrot (storage only) (dip)	Postharvest decay Scierotinia scierotiorum	1	may only be in the range of 60% or less. Dip carrots for 10 seconds in well agitated suspension. Do not rinse after treatment. Add 1/2 lb. Botran 75WDG to 100 gallons of dip suspension after 500 bushels are treated. After each 1000 bushels treated, drain and flush tank. Refill with fresh dip suspension.
Celery	Pink rot Sclerotinia sclerotiorum	5 1/3	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. Do not apply within 7 days of harvest. OR If early disease is not likely, make a single application of 5 1/3 lbs. of Botran 75WDG per acre 4 - 8 weeks before harvest. Use sprayer with drop nozzle boom to direct
			spray (100 gallions per acre) to base of plants and adjacent soil.
Cucumber (greenhouse)	White mold Sclerotinia sclerotiorum	1 1/3	Apply to diseased area of plants. Additional applications may be required after 14 days.
Endive (Escarole) (field)	Botrytis gray mold rot Botrytis cinerea	2 2/3	Apply 100 gallons of spray mixture per acre 7 days following transplanting. Repeat application when plants are half mature. Do not apply to wilted plants, seedlings, or later than 14 days before harvest. OR
		2 2/3	Apply Botran 75WDG spray at thinning and repeat application 7 days later. Do not apply within 14 days of harvest. Use sprayer with drop nozzle to direct spray (50 - 100 galllons of water per acre) to the lower portion of plants and surrounding soil.
			Note: Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature. Do not apply more than two applications of Botran 75WDG per season.

Grano	I Runch rot	1 1/3	Botran 75WDG may be applied at onset of bloom to soon
Grape	Bunch rot Botrytis rot Storage rot	1 1/3	after shatter. Use 2 2/3 lbs. per acre of Botran 75WDG in 50 to 400 gallons of water per acre for control of Botrytis bunch rot (Botrytis cinerea). Up to 5 1/3 lbs. of Botran 75WDG may be applied per season. Use Botran dust after cluster tightening. (See Botran dust labels for complete directions for use.) When combining Botran 75WDG with gibberellin, use with last gibberellin application.
			Note: Use is limited to grapes grown west of the Rocky Mountains only.
Lettuce (leaf and head) (field)	Drop or Watery Soft Rot Sclerotinia sclerotiorum	2 to 3 1/3	Apply Botran 75WDG at 2 lbs. preemergence at 20 - 50 gallons of water per acre in a 4 - 6 inch band over the transplanted or seeded row. Make a second application at 3 1/3 lb. immediately after thinning in 50 - 100 gallons of water per acre. Do not use more than 5 1/3 lbs. Botran 75WDG per acre per season.
	S. minor	5 1 <i>/</i> 3	Apply immediately after thinning. Use 50 - 100 gallons of water per acre. Do not apply this product again after this single application.
	Botrytis gray mold rot Botrytis cinerea	2 2/3	Apply prior to thinning (2 to 6 leaf stage) and repeat immediately after thinning. Do not apply within 14 days of harvest. Use sprayer with drop nozzle to direct spray (50 - 100 gallons of water per acre) to the lower portion of plants and surrounding soil.
			Note: Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature.
Lettuce (greenhouse) (leaf only)	Botrytis gray mold rot Botrytis cinerea	2 2/3	Apply 100 gallons of spray mixture per acre 7 days following transplanting. Repeat application when plants are half mature. Do not apply to wilted plants, seedlings, or later than 14 days before harvest.
			Note: Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature.
Nectarine (only)	Postharvest decay Rhizopus rot Moniinia rot (brown rot)	2 2/3	Apply only with fruit wax. Mix Botran 75WDG with wax in a tank equipped with mechanical agitation. The Botran 75WDG/wax combination should be mechanically agitated during use; bypass agitation will not keep Botran 75WDG in suspension. Fruit should be sprayed during packing line operations. Apply the Botran 75WDG/wax combination to the fruit at the rate of 30 - 35 gallons per 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.
			Note: If wax containing OPP is used, the concentration of OPP in the final mixture should not exceed 0.25%.

Onion and Garlic	White rot Scierolium	32 - 40* (broadcast or for 43,560 linear feet of furrow) * Use 6 - 10 lbs. per acre in the North Central	Direct seeding: Mix (broadcast and incorporate) Botran 75WDG in the top 1 1/2 inches of soil 1 - 2 weeks before onions are seeded. Use is restricted to eastern Oregon, eastern Washington and western Idaho. Planting sets or buds- in-furrow: Use low pressure (30 - 40 psi) 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 or buds and the rear nozzle sprays the covering soil as it fills the furrow.
		states.	Broadcast: Use 100 gallons per acre for broadcast treatment. Do not exceed 40 lbs. per acre broadcast. Note: Plow to 8 inches and cross-disk Botran 75WDG treated area prior to seeding sensitive follow-up crops to prevent injury (lettuce). Do not plant spinach as a follow-
Peach and	Blossom blight	1 1/3	up crop in treated soil. Apply at pink bud and full bloom.
Nectarine	Monilinia		
	Fruit decay Monilinia brown rot Rhizopus rot	1 1/3	Apply 18 days, 10 days and 1 day prior to harvest. Allow 1 day between application and harvest.
			Note: When combining with captan, use 1 to 1 1/3 lbs. Botran 75WDG to 1 - 2 lbs. captan 50W or equivalent per 100 gallons of water as recommended.
Peach (only)	Postharvest decay Rhizopus rot Botrytis rot	1	Spray or dip: Immediately after picking, spray or dip peaches with a suspension of Botran 75WDG. Do not recirculate used spray suspension.
			Processing line operations: Botran 75WDG is most effective when applied during or after the defuzzing process, either by brushes, spray or in the hydrocooler.
			Brushes: Apply Botran 75WDG to the brush with traversing feeder nozzle capable of metering approximately 10 gallons of Botran 75WDG 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.
			Spray: Direct a mist spray down upon the rotating peaches. Use pressures between 20 - 25 psi with a delivery system of approximately 45 gallons per hour. TJ80 nozzles are suggested. Agitate spray suspension. Collect spray runoff in a drain tray and discard.
			Hydrocooler: As volume decreases, make up original volume by adding Botran 75WDG suspension of 1 lb. per 100 gallons. Drain and flush daily.
			Note: Do not treat peaches packed in containers which do not allow adequate drainage.

Peach (continued)	Postharvest decay Rhizopus rot	2 2/3	For freezing and canning only. Immediately after picking, dip peaches in a suspension of Botran 75WDG.
	Botrytis rot Monilinia rot		Continuous agitation is necessary. As volume decreases, make up to original volume by adding Botran 75WDG
	(brown rot)		suspension of 2 2/3 lbs. per 100 gallons of water. Drain and flush system daily.
		<u>.</u>	WARNING: Peaches treated with this rate of Botran 75WDG will have residues exceeding the established tolerance of DCNA on peaches. Do not use this fruit for the fresh fruit market. Processing for freezing and canning
Plum and Prune	Blossom blight	1 1/3	removes all excess residue. Apply at popcorn and full bloom.
	Monitinia brown rot		
Plum	Postharvest decay Rhizopus rot Monilinia rot (brown rot)		Apply only with fruit wax. Mix Botran 75WDG with wax in a tank equipped with mechanical agitation. The Botran 75WDG/wax combination should be mechanically agitated during use; bypass agitation will not keep Botran 75WDG 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 runoff in a drain tray and discard.
		2 2/3	For use in conventional applicators (30 - 50 gallons per hour), apply 100 gallons of the diluted Botran 75WDG/wax combination to approximately 50,000 lbs. of fruit.
		10 - 12	For use in low-volume applicators (5 - 8 gallons per hour), apply 100 gallons of Botran 75WDG/wax combination to approximately 500,000 lbs. of fruit.
Potato	Brarytis b! ht V/hite mold	2	Apply 100 gallons per acre beginning at layby. Continue at 10 - 14 day intervals. Do not apply within 14 days of
	Scierotinia scierotiorum		harvest. Do not feed treated potatoes to livestock. LIMIT USE TO NORTH CENTRAL STATES ONLY.
Rhubarb (hothouse)	Botrytis leaf rot	1 1/3	Begin applications when first buds emerge from crowns. Repeat at weekly intervals. Do not use later than 3 days before harvest.
Snap Bean	White mold Scierolinia	4 (pole varieties)	Begin applications when disease is anticipated and continue at 7-day intervals during periods favorable to
	sclerotiorum	1	development of disease. Use 100 gallons (pole varieties)
	(Scleroliniose)	3 (bush varieties)	and 75 gallons (bush varieties) per acre. Do not apply within 2 days of any harvest. Do not feed treated foliage to livestock.
Sweet Cherry	Blossom blight Monitinia	1 1/3	Apply at popcorn, bloom, full bloom and petal fall.
:	Fruit decay Monilinia brown rot Rhizopus rot	1 1/3	Apply 10 days and 1 day prior to harvest.
	Postharvest decay Rhizopus rot	1 1/3	Spray cherries while sorting with a suspension of Botran 75WDG. Do not recirculate used spray suspension.
			Note: When combining with captan, use 1 to 1 1/3 lbs. of Botran 75WDG to 1 - 2 lbs. of captan 50W or equivalent per 100 gallons of water as recommended.

Sweet Potato (postharvest)	Postharvest decay Rhizopus rot (spray)	1	Spray using 8001 fan-shaped nazzle 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 75WDG per 100 gallons of water. Where black rot is a problem, do not recirculate used spray suspension.
		1	Dip roots for 10 - 15 seconds in well agitated suspension of Botran 75WDG. Do not rinse after treatment. Add 1/2 lb. Botran 75WDG to 100 gallons of treating suspension after 500 bushels are treated. After each 1000 bushels treated, drain and flush tank. Refill with fresh dip suspension.
(plantbed, seed	Scurf		
dip, bed spray)	Monilochaetes infuscans		**Seed dip: Dip seed sweet potatoes 10 - 15 seconds in a well-agitated suspension containing 1 lb. Botran 75WDG in 7.5 gallons of water. Drain sweet potatoes and bed promptly. Prepare fresh Botran 75WDG suspension daily.
	Sclerotial blight	***	OR
	Scierotium rolfsii		***Bed spray: Use 3 to 3 3/4 lbs. of Botran 75WDG in 14 gallons of water per 1000 square feet of plantbed. Spray or sprinkle Botran 75WDG suspension over bedded sweet potatoes before covering them with soil.
1			Caution: Do not plant tomatoes as a follow-up crop.
Tomato (greenhouse)	Stem canker Botrytis	1	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.

DIRECTIONS FOR USE ON ORNAMENTAL CROPS

Crop	Disease	Dosage 1 lbs. per 100 gallons of water	Use
Chrysanthemum, Geranium and Rose	Blight Botrytis	1/2 to 3/4	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.
Gladiolus	Dry rot Stromatinia (soil)	20	Spray or dust into furrow at planting time so that treated soil surrounds corms. 20 lbs. will treat one acre in furrows 1 ft wide spaced 3 ft apart (14,520 linear ft of furrow).
	Blight <i>Botrytis</i>	3/4	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 and Hydrangea	Blight Botrytis	1 1/3	Field: Apply Botran 75WDG prior to shipment or storage. Stored: Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods.

¹ Use suggested amount of Botran 75WDG per 100 gallons of water (unless otherwise specified) in full coverage sprays in conventional sprayers (not to exceed a maximum of 500 galions of water per acre) or equivalent amount in concentrate or aerial equipment.

NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

(Botran 75W / WGD WPS label)