

10/63-189

2/15/2000

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BOTRAN[®] 75-W**Fungicide**

(Wettable Powder or Water-Soluble Bags)

ACTIVE INGREDIENT:

2,6-dichloro-4-nitroaniline

% By Wt.

75%

INERT INGREDIENTS

25%

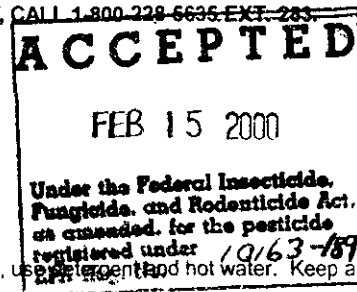
TOTAL 100%**KEEP OUT OF REACH OF CHILDREN
CAUTION****STATEMENT OF PRACTICAL TREATMENT****IF ON SKIN:** Remove contaminated clothing and wash with soap and water.**IF IN EYES:** Flush with water. If eye irritation persists, call a physician.**IF SWALLOWED:** Drink warm water and induce vomiting by touching 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.**FOR EMERGENCY MEDICAL RESPONSE AND HAZARD COMMUNICATIONS ONLY, CALL 1-800-228-6635 EXT-283.****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.

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****Users should:**

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

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.

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 interval. 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

NET CONTENTS _____ POUNDS**Gowan**EPA Reg. No. 10163-189
EPA Est. No. 67545-AZ-1Gowan Company
P. O. Box 5569
Yuma, AZ 85366-5569**NOT FOR MANUFACTURING OR POSTHARVEST USE EXCEPT AS RECOMMENDED ON THE LABEL.
THIS PRODUCT CONTAINS ADDITIVES NOT APPROVED FOR POSTHARVEST USE ON FOOD CROPS.**

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 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 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.

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 under CROP RECOMMENDATIONS, 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.

PREHARVEST INTERVAL

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

CROP RECOMMENDATIONS 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 | 1 1/3 - 5 1/3 | Apply 18 days and 10 days before harvest. |
| GRAPES | Bunch rot <i>Botrytis</i> rot <i>Botrytis</i> stem rot Storage rot <i>Botrytis cinerea</i> | 2 - 4 1/3 | Begin applications when disease is anticipated. Repeat applications at 7-day intervals or as needed. Up to 5 1/3 lbs. of Botran 75-W Fungicide may be applied per acre per season. |
| | <ul style="list-style-type: none"> • 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 | 1 1/3 - 5 1/3 | For Blossom blight, apply at pink bud and full bloom. For Fruit decay, apply 18 days and 10 days before harvest. |
| PLUMS, PRUNES | Blossom blight <i>Monilinia</i> brown rot | 1 1/3 - 5 1/3 | Apply at popcorn and full bloom. |
| SWEET CHERRIES (10) | Blossom blight <i>Monilinia</i> Fruit decay <i>Monilinia</i> brown rot <i>Rhizopus</i> rot | 1 1/3 - 5 1/3 | For Blossom blight, apply at popcorn, bloom, full bloom and petal fall. For Fruit decay, apply 10 days before harvest. |

DIRECTIONS FOR USE ON ROW CROPS

| CROP | PEST | RATE LBS./ACRE | COMMENTS |
|---|--|---|--|
| CELERY, FLORENCE FENNEL (See text for PHI) | Pink rot <i>Sclerotinia sclerotiorum</i> | 2 (multiple applications) OR 5 1/3 (single application) | 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 If early disease is not likely, make a single application of 5 1/3 lbs. of Botran 75-W Fungicide per acre 4 - 8 weeks before harvest. Use a sprayer with a drop nozzle boom to direct spray to the base of plants and adjacent soil. |
| 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. |
| <ul style="list-style-type: none"> 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 season. | | | |
| LETTUCE (Leaf and Head) (14) | Drop rot | 2 - 3 1/3 | Apply 2 lbs. per acre preemergence in 20 - 50 gals. of water per acre in a 4 - 6 inch band over the transplant or seed row. Make a second application of 3 1/3 lbs. per acre in 50 - 100 gals. of water immediately after thinning. Up to 5 1/3 lbs. of Botran 75-W Fungicide may be applied per acre per season. |
| | Watery soft rot <i>Sclerotinia sclerotiorum</i> <i>Sclerotinia minor</i> | 3 1/3 - 5 1/3 | Apply immediately after thinning. Use 50-100 gals. of water per acre. Do not apply this product again after this single application. |
| | Gray mold rot <i>Botrytis cinerea</i> | 2 2/3 | Apply prior to thinning (2 - 6 leaf stage) and repeat immediately after thinning. Use a sprayer with drop nozzle to direct spray (50 - 100 gals. of water per acre) to lower portion of plants and surrounding soil. |
| <ul style="list-style-type: none"> Notes: When applying in a band, do not reduce the per acre rate. Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature. | | | |
| ONIONS, GARLIC, SHALLOTS (14) | White rot <i>Sclerotium cepivorum</i> | 5 1/3 | Direct seeded: For white rot control, apply a 5 inch band over seed row/bed and incorporate in top 1 1/2 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 1/2 - 2 2/3 * *In California, use 2 2/3 lbs./acre. | For <i>Botrytis</i> , apply when disease is anticipated. Repeat at 14-day intervals if necessary. Up to 5 1/3 lbs. of Botran 75-W Fungicide may be applied per acre per season. |
| <ul style="list-style-type: none"> Note: Do not plant spinach as a follow-up crop in treated soil. | | | |
| POTATOES (14) | <i>Botrytis</i> blight White mold <i>Sclerotinia sclerotiorum</i> | 2 | Apply beginning at layby. Continue applications at 10 - 14 day intervals. |
| <ul style="list-style-type: none"> Note: Use is limited to the North Central states only. | | | |
| SNAP BEANS (2) | White mold <i>Sclerotinia sclerotiorum</i> (<i>Sclerotiniose</i>) | 2 1/4 (bush varieties) 4 (pole varieties) | 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 feed treated foliage to livestock. | | | |

DIRECTIONS FOR USE ON ROW CROPS (continued)

| CROP | PEST | RATE LBS. | COMMENTS |
|-------------------|--|-----------------------|---|
| SWEET POTATOES | Scurf <i>Monilochaetes infusans</i> Sclerotial blight <i>Sclerotium rolfsii</i> | 1 OR 3 - 3½ | Seed dip: Mix recommended rate 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. OR Plantbed spray: Mix recommended rate in 14 gals. of water per 1000 sq. ft. of plantbed. Spray or sprinkle Botran suspension over bedded sweet potatoes before covering them with soil. |
| | • Caution: Do not plant tomatoes as a follow-up crop. | | |
| | Postharvest decay <i>Rhizopus</i> rot | 1 | Postharvest: Mix recommended rate in 100 gals. of water. Mix recommended 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 1 lb. of Botran 75-W Fungicide per 100 gals. of water. Where black rot is a problem, do not recirculate used spray suspension. OR Dip roots for 5 to 10 seconds in well-agitated suspension of Botran 75-W Fungicide. 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./43,560 SQ. FT. | COMMENTS |
|-----------------------------|---|--------------------------------|--|
| CUCUMBERS (1) | White mold <i>Sclerotinia sclerotiorum</i> | 1½ | Apply when disease first appears to diseased areas of plants. Additional applications may be required after 14 days. |
| LETTUCE (LEAF ONLY) (14) | Gray mold rot <i>Botrytis cinerea</i> | 2½ | Apply 7 days following transplanting. Repeat application when plants are half-mature. • 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 | 1½ | Begin applications when first buds emerge from crowns and repeat at weekly intervals. |
| TOMATOES (10) | Stem canker <i>Botrytis</i> | 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. • Do not make more than 4 applications per crop. |

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. | 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. |
| GLADIOLUS | Blight <i>Botrytis</i> | 1½ per 100 gals. | Foliarfield: For <i>Botrytis</i> control, apply spray mixture with enough pressure to force fungicide between spikes. Use full coverage spray. |
| | | ¾ per 100 gals. | 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. | Bulb Dip: For dry rot control, mix recommended rate in 75 gals. of water. Soak bulbs for 20 - 30 seconds in a suspension. |
| | | 5½ 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). |
| ROSES, HYDRANGEAS | Blight <i>Botrytis</i> | 1½ per 100 gals. | Field plants: Spray before shipment or storage. Stored plants: Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods. |
| CONIFERS, CHRISTMAS TREES (nursery, greenhouse, container and bare root stock) | Blight <i>Botrytis</i> | 1½ - 2½ 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. Use 2½ for severe disease pressure. Repeat at 10 - 14 day intervals. Spray foliage until thoroughly wet. Alternating Botran 75-W Fungicide with other fungicides is recommended. |
| | | 1½ per 100 gals. | Stored plants: Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods. |

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 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 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 CHEMIGATION SYSTEMS must be followed.

SPRINKLER 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 75-W Fungicide 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 75-W Fungicide has been cleared from the last sprinkler head.

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.

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 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.

CA Text Pending: Botran 75-W (sent to CA 9-18-98)

EPA Text: Botran 75-W (notification to EPA 9-23-98)

EPA Text – Botran 75-W(10-11-99) Feeding Restriction Removal