

**IMPORTANT: READ BEFORE USE**

By using this product, user accepts the following conditions, warranty, disclaimer of warranties and limitations of liability

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible.

**DISCLAIMER OF WARRANTIES:** THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS.

**LIMITATIONS OF LIABILITY:** In no event shall NOR-AM Chemical Company's liability for damages arising out of the use of this product exceed the purchase price of the product used.

NOR-AM Chemical Company, 1985

**Regional Offices**

**REGION 1**

720 Sunrise Boulevard  
Suite 251  
Roseville, CA 95661  
(916) 782-9606/9627

**REGION 2**

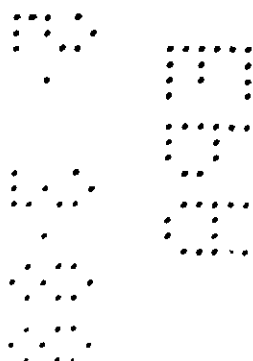
14041 Burnhaven Drive  
Suite 102  
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(612) 435-2575

**REGION 3**

Murray Lanes Office Village  
6262 Poplar Avenue, Suite 201  
Memphis, TN 38119  
(901) 683-1535  
685-1594

**REGION 4**

134 West University Drive  
Rochester, MI 48063  
(313) 656-1000



**NOR-AM**  
NOR-AM CHEMICAL COMPANY  
1000 Sovereign Road, P.O. Box 200  
Wilmington, DE 19801

**SPECIMEN LA 3E**

ACCEPTED

MAY 1981

EPA Reg. No. 45639-110

# Botran 75W

## 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.

See folder in bottom flap of bag for usage directions.

### ACTIVE INGREDIENT

2,6-Dichloro-4-nitroaniline

75% w/w

### INERT INGREDIENTS

25% w/w

Total

100% w/w

EPA Reg. No. 45639-110

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que el etiqueta haya sido explicado ampliamente.

## KEEP OUT OF REACH OF CHILDREN CAUTION — PRECAUCION 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 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

SEE OTHER PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

**NOR-AM**  
NOR-AM CHEMICAL COMPANY

3509 Silverside Road, P.O. Box 7495  
Wilmington, DE 19803

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

**HARMFUL IF SWALLOWED. AVOID INHALATION OF DUST  
OR SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES.**

#### ENVIRONMENTAL HAZARDS

Toxic to fish. Do not apply directly to water or wetlands. 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.

## 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.

**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 COPY**

## 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 such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

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 pounds as found in 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 75W is compatible with wettable powder formulations of captan, zineb, Guthion, parathion, carbaryl, and endosulfan. Normally BOTRAN 75W 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 75W and miscible oil formulations of insecticides, particularly organic phosphorous compounds may cause plant injury.

**REENTRY STATEMENT:** Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

## DIRECTIONS FOR USE ON EDIBLE CROPS

Crop	Disease	Dosage <sup>1</sup> Lb Per 100 Gal of Water	Use
Apricot	Fruit decay Monilia Brown Rot Rhizopus rot	1 1/2	Apply 10 days and 1 day prior to harvest. Allow 1 day between application and harvest.
	Postharvest decay Rhizopus moniliformis Monilia rot Brown rot	1	Apply as combination of fruit wax plus Botran 75W plus Benlate 50W (0.5 lb per 100 gal of water) during packing line operations. Mix the combination in a tank equipped with mechanical agitation. Mechanically agitate combination during use. Apply the Botran Benlate-wax combination to the fruit at the rate of 35-45 gal/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.
<b>Note:</b> Do not treat fruit packaged in containers which do not allow adequate drainage. R. arrhizus control in apricots may only be in the range of 60% or less.			
Carrot	Postharvest decay Botrytis rot	1	Dip carrots for 10 seconds in well agitated suspension. Do not rinse after treatment. Add 1 lb Botran 75W to 100 gallons of dip suspension after 500 bushels are treated. Allow each 1000 bushels treated drain and flush tank. Refill with fresh dip suspension.
Cucumber	White mold Sclerotinia Botrytis	1	Apply to diseased areas of plants. Additional applications may be required after 14 days.
Grape	Bunch rot Botrytis rot Storage rot	1 1/2	Botran 75W may be applied at onset of bloom to soon after shatter. Use 2 1/2 lb/acre of Botran 75W in 50 to 400 gallons of water per acre for control of Botrytis bunch rot (Botrytis cinerea). Up to 5 1/2 pounds of Botran 75W may be applied per season. Use Botran dust after cluster tightening (see Botran dust labels for complete directions for use). When combining Botran 75W with gibberellin, use with last gibberellin application.
<b>Note:</b> Use limited to grapes grown west of the Rocky Mountains only.			
Peach and Nectarine	Blossom blight Monilia Fruit decay Monilia Brown rot Rhizopus rot	1 1/2	Apply at pink bud and full bloom.
		1 1/2	Apply 18 days, 10 days and 1 day prior to harvest. Allow 1 day between application and harvest.
<b>Note:</b> When combining with captan, use 1 to 1 1/2 lb Botran 75W to 1 1/2 to 2 lbs captan 50W or equivalent per 100 gallons of water as recommended.			

## DIRECTIONS FOR USE ON EDIBLE CROPS

Crop	Disease	Dosage <sup>1</sup> Lb Per 100 Gal of Water	Use
Peach only	Post-harvest decay <i>Rhizopus</i> rot <i>Botrytis</i> rot	1	<b>Spray or dip</b> —Immediately after picking, spray or dip peaches with suspension of Botran 75W. Do not recirculate used spray suspension. <b>Processing line operations</b> —Botran 75W is most effective when applied during or after the defuzzing process, either by brushes, spray, or in the hydrocooler. <b>Brushes</b> —Apply Botran 75W to the brush with traversing feeder nozzle capable of metering approximately 10 gallons of Botran 75W suspension per hour with the valve completely open. Agitate the spray suspension. Unused suspension that drops from the brush should be caught in a drain tray and discarded. <b>Spray</b> —Direct a mist spray down upon the rotating peaches. Use pressures between 20-25 psi with delivery system of approximately 45 gallons per hour. 1/80 nozzles are suggested. Agitate the spray suspension. Collect spray runoff in a drain tray and discard. <b>Hydrocooler</b> —As volume decreases, make up to original volume by adding Botran 75W suspension of 1 lb per 100 gal. Drain and flush daily. <b>Note:</b> Do not treat peaches packed in containers which do not allow adequate drainage.
	Post-harvest decay <i>Rhizopus</i> rot <i>Botrytis</i> rot <i>Monilinia</i> rot (brown rot)	2 2/3	For freezing and canning only. Immediately after picking dip peaches in suspension of Botran 75W. Continuous agitation is necessary. As volume decreases, make up to original volume by adding Botran 75W suspension of 2 2/3 lb per 100 gal of water. Drain and flush system daily.
<b>WARNING:</b> Peaches treated with this rate of Botran will have residues exceeding the established tolerance of Botran on peaches. Do not use this fruit for the fresh fruit market. Processing for freezing and canning removes all excess residue.			
Nectarine only	Post-harvest decay <i>Rhizopus</i> rot <i>Monilinia</i> rot (brown rot)	2 2/3	Apply only with fruit wax. Mix the Botran with wax in a tank equipped with mechanical agitation. The Botran-wax combination should be mechanically agitated during use. By-pass agitation will not keep the Botran in suspension. Fruit should be sprayed during packing line operations. Apply the Botran-wax combination to the fruit at the rate of 30-35 gal/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.
<b>NOTE:</b> If wax containing OPP is used, the concentration of OPP in the final mixture should not exceed 0.25%.			
Pump and Prune	Blossom blight <i>Monilinia</i> Brown rot	1 1/3	Apply at popcorn and full bloom.
Pump	Post-harvest decay <i>Rhizopus</i> rot <i>Monilinia</i> rot (Brown rot)	2 2/3	Apply only with fruit wax. Mix Botran 75W with wax in a tank equipped with mechanical agitation. The Botran-wax combination should be mechanically agitated during use. By-pass agitation will not keep the Botran 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.
		10-12	For use in conventional applicators (30-50 gal/hr), apply 100 gallons of the diluted Botran-wax combination to approximately 50,000 pounds of fruit.
			For use in low volume applicators (5-8 gal/hr), apply 100 gallons of the Botran-wax combination to approximately 500,000 pounds of fruit.
Rhubarb hot house	<i>Botrytis</i> 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.
Sweet Cherry	Blossom blight <i>Monilinia</i>	1 1/3	Apply at popcorn, bloom, full bloom and petal fall.
	Fruit decay <i>Monilinia</i> Brown rot <i>Rhizopus</i> rot	1 1/3	Apply 10 days and 1 day prior to harvest.
	Post-harvest decay <i>Rhizopus</i> rot	1 1/3	Spray cherries while sorting with a suspension of Botran 75W. Do not recirculate used spray suspension.
<b>Note:</b> When combining with captan, use 1 to 1 1/3 lb Botran 75W to 1 to 2 lbs captan 50W or equivalent per 100 gallons of water as recommended.			
Tomato	Stem canker <i>Botrytis</i> greenhouse	1	Spray stem of plant from ground level up to a height of 18 to 24 inches. Repeat weekly or as necessary. Seedlings or newly set transplants may be injured by drenching.
Sweet potato Post-harvest	Post-harvest decay <i>Rhizopus</i> rot (Spray)	1	Spray using 8001 fan-shaped nozzle at 50 to 70 psi immediately after washing while the potatoes are conveyed on chain rollers or belts. Do not rinse after treatment. Recirculating systems as volume decreases, make up to original volume with suspension equivalent to 1 lb Botran 75W per 100 gal of water. Where black rot is a problem, do not recirculate used spray suspension.
	Dip	1	Dip roots for 10 to 15 seconds in well agitated suspension of Botran 75W. Do not rinse after treatment. Add 1 lb Botran 75W 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.
Flanbed	Sclerotia blight <i>Sclerotium rolfsii</i>	1	Seed Dip: Dip seed sweet potatoes 10 to 15 seconds in well agitated suspension containing 1 lb Botran 75W in 7.5 gal of water. Drain sweet potatoes and bed promptly. Prepare fresh Botran 75W suspension daily.
Seed Dip	Scut <i>Monilochaetes</i> <i>fulvicans</i>	1	OR Bed Spray: Use 3 to 3 1/4 lb of Botran 75W in 14 gal of water per 1,000 square feet of plant bed. Spray or sprinkle Botran 75W suspension over bedded sweet potatoes before covering them with soil.
Red Sprig		1	<b>Caution:</b> Do not plant tomatoes as follow up crop.

**BEST AVAILABLE COPY**

## DIRECTIONS FOR USE ON EDIBLE CROPS

Crop	Disease	Dosage lb. Per 100 Gal. of Water	Use
Celery	Rot Botrytis Sclerotinia	2	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.
		5	OR If early disease is not likely, make a single application of 5 lbs. of Botran 75W per acre 4 to 8 weeks before harvest. Use sprayer with drop nozzle boom to direct spray 100 gal. per acre to base of plants and adjacent soil.
Potato	Botrytis blight White mold Sclerotinia Sclerotium	2	Apply 100 gallons per acre beginning at layby. Continue at 10 to 14 day intervals. Do not apply within 14 days of harvest. Do not feed treated potatoes to livestock. <b>DO NOT USE IN NORTH CENTRAL STATES ONLY.</b>
Lettuce Field (Leaf and Head)	Drop or Water Soft Rot Sclerotinia Sclerotium Sclerotium	2 3/4	Apply BOTRAN 75W at 2 lbs. per acre preemergence in 20-50 gallons of water in a 4-6 inch band over the transplanted or seeded row. Make a second application at 3 1/3 lbs. per acre immediately after thinning in 50-100 gallons of water. Do not use more than 5 1/3 lbs. BOTRAN 75W per acre per season.
		5 1/3	OR 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 water per acre) to lower portion of plants and surrounding soil.
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.
<b>Note:</b> Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature.			
Endive (Escalope) Field	Botrytis gray mold rot Botrytis cinerea	2 1/4	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.
		2 1/4	OR Apply Botran 75W spray at thinning and repeat application 7 days later. Do not apply within 14 days of harvest. Use sprayer with drop nozzle boom to direct spray (100 gal. per acre) to lower portion of plants and surrounding soil.
<b>Note:</b> 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 75W per season.			
Onion and Garlic	White rot Sclerotium	32-40*** broadcast or 43-560 per foot of furrow	<b>Direct seeding</b> —mix (broadcast-incorporate) Botran 75W <del>into soil</del> inches <del>deep</del> 2 weeks before onions are seeded. Use restricted to Eastern Oregon, Eastern Washington and Western Idaho. <b>Planting sets or buds</b> —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 spray strikes the soil around the sets or buds and the rear nozzle sprays the covering soil as it is the furrow. <b>Broadcast</b> —Use 100 gallons per acre for broadcast treatment. Do not exceed 40 lb. per acre broadcast.
<b>Note:</b> Row to 8 inches and cross disc Botran 75W treated area prior to seeding sensitive follow up crops to prevent injury (lettuce). Do not plant spinach <del>or other</del> up crop in treated soil. ***Use 6-12 lb. per acre in North Central States.			
Snap Bean	White mold Sclerotinia Sclerotium	4 (pole varieties) 3 (bush varieties)	Begin applications when disease is anticipated and continue at 7 day intervals during periods favorable to development of disease. Use 100 gallons (pole varieties) and 75 gallons (bush varieties) per acre. Do not apply within 2 days of any harvest. Do not feed treated foliage to livestock.

## DIRECTIONS FOR USE ON ORNAMENTAL CROPS

Crop	Disease	Dosage lb. Per 100 Gal. of Water	Use
Rose	Botrytis	2	<b>Field</b> —Apply Botran 75W prior to shipment or storage. <b>Stored</b> —Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods.
Hydrangea	Botrytis	2	
Chrysanthemum	Botrytis	2 to 4	<b>Stock cuttings or greenhouse plants</b> —Begin when disease is anticipated or when it appears. Spray to age and flowers at 7 to 14 day intervals. During prolonged damp, cool periods apply every 5 to 7 days.
Rose	Botrytis	2	
Madagascar	Botrytis	2	Spray or dust into furrow at planting time so that treated soil surrounds roots. 20 lb. will treat one acre in furrows 1 ft. wide spaced 3 ft. apart (14,520 linear ft. of furrow).
	Botrytis	2	Apply spray mixture with enough pressure to force fungicide between spikes. Apply to bunched cut lower spikes after harvest and before shipment or storage.
Use suggested amount of Botran 75W per 100 gallons water, unless otherwise specified. In full coverage sprays in conventional sprayers (not to exceed 100 gallons per acre) or equivalent amount in concentrate or area equipment.			

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## **SPECIAL LOCAL NEED REGISTRATIONS**

### **POTATOES**

Control of White Mold (*Sclerotinia sclerotiorum*) with BOTRAN 75W

EPA SLN Numbers: CA-790042 (Amended 7/3/84) ID-800030, OR-800013, WA-860026 and NV-860006

**FOR USE IN: CALIFORNIA, IDAHO, OREGON, WASHINGTON, AND NEVADA.**

For control of White mold (*Sclerotinia sclerotiorum*), use from **2 to 6 pounds of BOTRAN 75W Fungicide per acre** in the first application. Begin treatment when vines are within 6 to 8 inches from closing of rows just prior to layby. If disease persists, subsequent applications of 2 pounds per acre may be applied at 7 to 10 day intervals, do not exceed 10 pounds per season. Do not apply within 20 days of harvest. Do not feed treated potatoes to livestock.

#### **APPLICATION WITH THE FOLLOWING EQUIPMENT:**

##### **1. Sprinkler Irrigation:**

See "Application Through Sprinkler Irrigation Equipment (Potatoes and Carrots)" below for specific instructions

##### **2. Ground Equipment:**

Use 100 gallons per acre of water

##### **3. Aerial Equipment:**

Use at least 10 gallons per acre as the minimum spray volume

### **CARROTS**

Control of White Mold (*Sclerotinia sclerotiorum*) with BOTRAN 75W

EPA SLN NUMBER CA-860002

**FOR USE IN CALIFORNIA ONLY**

**LOCATION:** Sandy soils located in Kern County

**CROP/SITE/COMMODITY:** Carrots

**TARGET PEST/PROBLEM:** *Sclerotinia sclerotiorum* (white mold)

**DOSAGE:** Apply 3 to 6 lbs. of product per acre (2.5-4.50 lbs active ingredient)

**DILUTION RATE:** Not applicable

**METHOD OF APPLICATION:** Ground application through sprinkler irrigation equipment **only**. See "Application Through Sprinkler Irrigation Equipment (Potatoes and Carrots)" below for specific use instructions.

**FREQUENCY/TIMING OF APPLICATION:** Begin treatment just prior to row closure or when disease is anticipated. Maximum of 9 lbs. of product can be applied per growing season. Make one application of 6 lbs. followed by 3 lbs. **OR** three applications at 3 lbs. each.

**FIELD REENTRY AFTER APPLICATION:** Do not enter treated areas without protective clothing until sprays have dried.

**PREHARVEST INTERVAL:** 21 days

**OTHER REQUIREMENTS:** (1) Do not feed treated carrots or carrot tops to livestock, and (2) Carrot tops and Crop residues must be disced under within two weeks following completion of harvest.

Valid until withdrawn, suspended or cancelled by the EPA, the Kern County Agricultural Commissioner, NOR-AM Chemical Company, or the Department of Food and Agriculture.

Authorization must be obtained from the county agricultural commissioner prior to this use. This does not constitute a recommendation of the Department of Food and Agriculture and will not prevent quarantine action if illegal residues are found on or in the crop. Neither the Department nor the county agricultural commissioner, the manufacturer or formulator makes any warranty of merchantability, fitness of purpose, or otherwise, expressed or implied, concerning the use of a pesticide in accordance with these provisions. The user and/or grower

acknowledges the preceding disclaimer and accepts liability for any possible damage resulting from this use. Do not use in mixture with other pesticides unless provided for in the labeling. Trial on a small area to check out unanticipated problems is suggested.

24(c) Registrant: Kern County Agricultural Commissioner

#### **APPLICATION THROUGH SPRINKLER IRRIGATION EQUIPMENT (POTATOES AND CARROTS)**

Apply this product only through sprinkler including center pivot, solid-set, or portable (wheel 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 non-uniform 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.

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.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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.

#### **CALIBRATION AND APPLICATION TECHNIQUES WHEN USING CENTER-PIVOT, SOLID-SET, OR PORTABLE (WHEEL MOVE) SPRINKLER IRRIGATION EQUIPMENT:**

**A. Center-pivot Irrigation Equipment.** Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank of injection equipment with water. Operate system for one complete circle, measuring time required, amount of water injected, and acreage contained in circle. Mix recommended amount of BOTRAN 75W Fungicide for acreage to be covered into same amount of water used during calibration.

and inject into system continuously for one revolution. Shut off injection equipment after one revolution but continue to operate irrigation system until BOTRAN 75W Fungicide has been cleared from last sprinkler head

**B. Solid-set and Portable (wheel move) Irrigation Equipment.** Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a 10 to 30 minute period. Mix desired amount of BOTRAN 75W Fungicide for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. BOTRAN 75W 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 BOTRAN 75W Fungicide has been cleared from last sprinkler head

DO NOT run irrigation system without safety valves or other devices to prevent back-siphoning of BOTRAN 75W Fungicide into water source. Irrigation water treated with BOTRAN 75W Fungicide should be maintained on the treated area until the water is absorbed into the soil. The tank containing BOTRAN 75W Fungicide should be connected to the suction side of the irrigation pump or other pressurized equipment attached to the irrigation line

Agitation of the diluted BOTRAN in the chemical source (or slurry) tank should be maintained during the entire application period

### GREENHOUSE SEED POTATOES

Control of Botrytis blight and white mold (*Sclerotinia sclerotiorum*) with BOTRAN 75W  
EPA SLN NUMBER CA-860042

**FOR USE IN CALIFORNIA ONLY**

**LOCATION:** Santa Cruz County

**CROP/SITE/COMMODITY:** Greenhouse Grown Seed Potatoes or Transplants

**TARGET PEST/PROBLEM:** Botrytis blight, white mold

**DOSAGE:** Apply two level tablespoons of product per gallon of water

**DILUTION RATE:** Not applicable

**METHOD OF APPLICATION:** Handsprayer. Spray vegetation to the point of drip

**FREQUENCY/TIMING OF APPLICATION:** Apply at 7-10 day intervals as necessary. Maximum of 9 applications per crop

**FIELD REENTRY AFTER APPLICATION:** Do not enter treated area until spray residue has dried

**PREHARVEST INTERVAL:** Not applicable

**OTHER REQUIREMENTS:** Treated potatoes shall not be used for human or livestock consumption

Valid until withdrawn, suspended or cancelled by the EPA, the NOR-AM Chemical Company, the Santa Cruz County Agricultural Commissioner, or the Department of Food and Agriculture. Authorization must be obtained from the county agricultural commissioner prior to this use. This does not constitute a recommendation of the Department of Food and Agriculture and will not prevent quarantine action if illegal residues are found on or in the crop. Neither the Department nor the county agricultural commissioner, the manufacturer or formulator makes any warranty of merchantability, fitness of purpose, or otherwise expressed or implied, concerning the use of a pesticide in accordance with these provisions. The user and/or grower acknowledge the preceding disclaimer and accepts liability for any possible damage resulting from this use. Do not use in mixture with other pesticides unless provided for in the labeling

Trial on a small area to check out unanticipated problems is suggested

24(c) Registrant: Santa Cruz County Agricultural Commissioner

### FENNEL

Control of White Mold (*Sclerotinia sclerotiorum*) with BOTRAN 75W

EPA SLN Number CA-800185

**FOR USE IN CALIFORNIA**

**DOSAGE:** See registered label for directions for use on celery

**DILUTION RATE:** Refer to label for directions for use on celery

**METHOD OF APPLICATION:** Ground

**FREQUENCY/TIMING OF APPLICATION:** As needed

**FIELD REENTRY SAFETY INTERVAL:** When spray dries

**PREHARVEST INTERVAL:** 7 days

**OTHER REQUIREMENTS:** None

A special permit must be obtained from the county agricultural commissioner prior to this use. This does not constitute a recommendation of the Department of Food and Agriculture and will not prevent quarantine action if illegal residues are found on or in the crop. Neither the Department nor the county agricultural commissioner, the manufacturer or formulator makes any warranty of merchantability, fitness of purpose, or otherwise expressed or implied, concerning the use of a pesticide in accordance with these provisions. The user and/or the grower acknowledges the preceding disclaimer and accepts liability for any possible damage resulting from this use. Do not use in mixture with other pesticides unless provided for in the labeling. Trial on a small area to check out unanticipated problems is suggested

24(c) Registrant: Monterey County Department of Agriculture

### CONTAINER, BAREROOT, AND GREENHOUSE GROWN CONIFER : NURSERY STOCK

Control of Botrytis with BOTRAN 75W

EPA SLN Numbers: CA-800176, ID-820006, MT-820001, OR-800076, and WA-800065

**FOR USE IN: CALIFORNIA, IDAHO, MONTANA, OREGON AND WASHINGTON**

BOTRAN 75W may be applied to conifer seedlings of Douglas fir, hemlock, noble fir, Sitka spruce, Western red cedar and Redwood to prevent or control blight (*Botrytis*)

Use 1-3 pounds of BOTRAN 75W per 100 gallons of water as foliar spray. Begin treatment when disease is anticipated or first appears. Spray foliage until thoroughly wet. Repeat treatment at 10-14 day intervals. Rate may be increased to 2-6 pounds of BOTRAN 75W to control especially heavy Botrytis outbreaks. Alternating BOTRAN 75W with other fungicides EPA-registered for use on these sites may be done in order to minimize buildup of tolerance of Botrytis to any one fungicide

### IMPORTANT: READ BEFORE USE

By using this product, user accepts the following conditions, warranty, disclaimer of warranties and limitations of liability

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible.

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**LIMITATIONS OF LIABILITY:** In no event shall NOR-AM Chemical Company's liability for damages arising out of the use of this product exceed the purchase price of the product used.

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**NOR-AM**  
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Replaces 532-BN-5M Rev 9/87

Revisions include:

Environmental Hazards

Container Disposal - Non-reuse

Chemtrac Statement

Crop Table - Lettuce

SLN-Potatoes - Delete Maine

DISCARD PREVIOUS LABELS

532-BN-1B 5M Rev 9 88