

<b>Active Ingredient</b> 2,6-Dichloro-4-nitroaniline	75% W/W
<b>Inert Ingredients</b>	25% W/W
	<hr/> 100% W/W

**Warning:** Keep out of the reach of children.

Harmful if swallowed. Avoid inhalation of dust or spray mist. Avoid contact with skin and eyes. In case of contact, remove contaminated clothing and wash skin with soap and water; for eyes, flush with water and call a physician.

**Compatibility:** BOTRAN 75w is compatible with wettable powder formulations of captan, zineb, DDT, Guthion, parathion, carbaryl, and endosulfan. Normally BOTRAN 75w can be mixed with other fungicides, insecticides or defoliant formulations as wettable powders. However, combination sprays of BOTRAN 75w and miscible oil formulations of insecticides, particularly organic phosphorous compounds may cause plant injury. It is suggested that such combinations be used on a small number of plants before treating large areas.

**Precaution:** Toxic to fish. Do not contaminate water by cleaning of equipment or disposal of waste or containers. Do not use on germinating seeds or annual seedlings except as suggested. Do not feed treated forage to livestock. A variety of extreme environmental conditions may have effects on fungicide treatments. The grower should watch to note that the treatment is working and in case of poor control should take appropriate measures.

Do not reuse empty container. Destroy it by burying with waste or by burning. Stay away from smoke or fumes.

**Equivalents:** One and one-third pounds as found in Directions for Use equals one 4 pound bag in 300 gallons. One (1) tablespoonful per gallon equals one (1) pound per 100 gallons.

**Complete Directions for Use Inside.**

**For: Apricot, Blackberry, Boysenberry, Carrot, Celery, Cotton, Cucumber, Garlic, Grape, Lettuce, Nectarine, Onion, Peach, Plum and Prune, Potato, Red Raspberry, Rhubarb, Snap Bean, Sweet Cherry, Sweetpotato, Tomato, and Ornamentals.**

**TUCO**

**Botran<sup>®</sup> 75w**  
Fungicide

ACCEPTED  
OCT 25 1972  
UNDER THE FEDERAL PESTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC PEST CONTROL  
REGISTERED UNDER NO. 100000 SUBJECT  
TO ATTACHED COMMENTS

Sizes Available	Packed	Suggested Retail Price
4 lb.	12	
50 lb.	Single Bag	

**Directions for use on edible crops**

Crop	Disease	Dosage <sup>1</sup> Lb Per 100 Gal of Water	Use
Apricot	Fruit decay <i>Monilinia</i> Brown rot <i>Rhizopus</i> rot	1 1/3	Apply 10 days and 1 day prior to harvest. Allow 1 day between application and harvest.
Blackberry, Boysenberry, Raspberry (red)	Fruit decay <i>Botrytis</i> rot	1 1/3	Use a maximum of 4 applications. Begin applications (not to exceed 250 gallons per acre) just prior to bloom and continue at 10 day intervals. Allow 1 day between last treatment and harvest. LIMIT USE TO PACIFIC NORTHWEST ONLY.
Carrot (Storage only)	Post-harvest decay <i>Sclerotinia</i> <i>sclerotiorum</i> (dip)	1	Dip carrots for 10 seconds in well agitated suspension. Do not rinse after treatment. Add 1/2 lb BOTRAN 75w to 100 gallons of dip suspension after 500 bushels are treated. After each 1,000 bushels treated, drain and flush tank. Refill with fresh dip suspension.
Cucumber (greenhouse)	White mold <i>Sclerotinia</i> <i>sclerotiorum</i>	1 1/3	Apply to diseased areas of plants. Additional applications may be required after 14 days.
Grape	Bunch rot <i>Botrytis</i> rot Storage rot	1 1/3	Apply BOTRAN 75w spray soon after shatter. Use 200 gallons per acre. Follow with applications of BOTRAN dust after cluster tightening (see BOTRAN dust label for directions). When combining BOTRAN 75W spray with gibberellin, use with last gibberellin application.
Peach and Nectarine	Blossom blight <i>Monilinia</i>	1 1/3	Apply at pink bud and full bloom.
	Fruit decay <i>Monilinia</i> Brown rot <i>Rhizopus</i> rot	1 1/3	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 1/3 lb BOTRAN 75w to 1-2 lbs captan 50w or equivalent per 100 gallon of water as recommended.			
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 drips 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. TJ80 nozzles are suggested. Agitate the spray suspension. Collect spray run-off 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; bypass 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 run-off 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%.			
Plum and Prune	Blossom blight <i>Monilinia</i> Brown rot	1 1/3	Apply at popcorn and full bloom.
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 1-2 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.

Crop	Disease	Dosage <sup>1</sup> Lb Per 100 Gal of Water	Use
Sweet potato Post harvest	Post-harvest decay <i>Rhizopus</i> rot (Spray)	1	Spray, using 8001 fan-shaped nozzle at 50 to 75 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 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 1/2 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.
Plantbed	Sclerotial blight <i>Sclerotium rolfsii</i>		*Seed Dip. Dip seed sweetpotatoes 10 to 15 seconds in well agitated suspension containing 1 lb BOTRAN 75w in 7.5 gal of water. Drain sweetpotatoes and bed promptly. Prepare fresh BOTRAN 75w suspension daily.
Seed Dip	Scurf <i>Monilochaetes</i> <i>infuscans</i>		**Bed Spray. Use 3 to 3 1/4 lb of BOTRAN 75w in 14 gal of water per 1,000 square feet of plantbed. Spray or sprinkle BOTRAN 75w suspension over bedded sweetpotatoes before covering them with soil.
Bed Spray			<b>OR</b> <b>Caution:</b> Do not plant tomatoes as follow-up crop.
Celery	Pink rot <i>Sclerotinia</i> <i>sclerotiorum</i>	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 1/3	<b>OR</b> If early disease is not likely, make a single application of 5 1/3 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.
Cotton	Boll rot <i>Rhizopus</i>	2-2 1/3	Use sufficient water to cover. Spray prior to or as first bolls begin to open; repeat application 14 days later. <b>Caution:</b> Treated cotton and gin trash should not be grazed by or fed to livestock.
Potato	<i>Botrytis</i> blight White mold <i>Sclerotinia</i> <i>sclerotiorum</i>	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. LIMIT USE TO NORTH CENTRAL STATES ONLY.
Lettuce (leaf only)	Blight <i>Botrytis</i> rot (greenhouse)	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.
(head)	Wilt <i>Botrytis</i> rot <i>Sclerotinia</i> wilt (field)	5 1/3	Apply immediately after thinning.
		2 2/3	<b>OR</b> 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 base of plants and adjacent soil.
<b>Note:</b> Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature.			
Onion and Garlic	White rot <i>Sclerotium</i>	32-40*** (broadcast, or 43,560 linear feet of furrow)	<b>Direct seeding</b> —mix (broadcast-incorporate) BOTRAN 75w in top 1 1/2 inches of soil 1-2 weeks before onions are seeded. Use restricted to Eastern Oregon, Eastern Washington, and Western Idaho. <b>Planting sets or buds—In Furrow:</b> Use low pressure (30 to 40 p.s.i.) 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 fills the furrow. <b>Broadcast:</b> Use 100 gallons per acre for broadcast treatment. Do not exceed 40 lbs per acre broadcast.
<b>Note:</b> Plow 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 as follow-up crop in treated soil. ***Use 6-10 lb per acre in North Central States.			
Snap Bean	White mold <i>Sclerotinia</i> <i>sclerotiorum</i> ( <i>Sclerotiose</i> )	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 <sup>1</sup> Lb Per 100 Gal of Water	Use
Rose, Hydrangea	Blight <i>Botrytis</i>	1 1/3	<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.
Chrysanthemum, Geranium, Rose	Blight <i>Botrytis</i>	1/2 to 3/4	<b>Stock cuttings or greenhouse plants</b> —Begin when disease is anticipated or first appears. Spray foliage and flowers at 7- to 14-day intervals. During prolonged damp, cool periods, apply every 5 to 7 days.
Gladiolus	Dry rot <i>Stromatium</i> (soil)	20	<b>Spray or dust into furrow at planting time</b> , so that treated soil surrounds corms. 20 lb will treat one acre in furrows 1 ft wide spaced 3 ft apart (14,520 linear ft of furrow).
	Blight <i>Botrytis</i>	1 1/3	Apply spray mixture with enough pressure to force fungicide between spikes. Apply to bunched cut flower spikes after harvest and before shipment or storage.

<sup>1</sup>Use suggested amount of BOTRAN 75w per 100 gallons water (unless otherwise specified) in full coverage sprays in conventional sprayers (not to exceed a maximum of 500 gallons per acre) or equivalent amount in concentrate or aerial equipment.

**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 TUCO's control, it is impossible for TUCO to eliminate all risks associated with use of this product. As a result, crop injury or ineffectiveness is always possible.

**Warranty and Disclaimer of Warranties:** TUCO warrants that this material conforms to the chemical description on the label and is reasonably fit for use under the directions and conditions on this label. TUCO AND SELLER MAKE NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS, MERCHANTABILITY OR OTHERWISE.

**Limitations of Liability:** The liability of TUCO or Seller for damages arising from the use of this product is limited to the replacement cost of the product used and shall not include any consequential damages such as loss of profits or other values.

**No Changes Authorized:** No one (other than an authorized agent of TUCO) is authorized to make any other warranty, or change the above conditions, disclaimer or limitations and then only if in writing and with a specific reference to this label.

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