

PM 21

10163-221

10/14



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
10163-221

Date of Issuance:
JUL 7 1995

Term of Issuance: Conditional

Name of Pesticide Product:
Botran Flowable
Fungicide

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Robert E. Hawk
Senior Regulatory Scientist
Gowan Company
P. O. Box 5569
Yuma, AZ 85366-5569

Notes: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Declare the net contents for liquid products in terms of volume for the label and supplemental labeling.
3. Revise the container disposal statement on the supplemental labels to be appropriate for the type of container.
4. Revise the supplemental label for postharvest uses. This label is not acceptable because it appears to be intended for a dry product and not a flowable. The product name "ALLISAN" must be changed throughout the label to "Botran Flowable Fungicide" or an additional brand name should be requested and the brand name at the top of the front panel should be changed.
5. Since this product is a liquid, revise the dosage rates on the supplemental labeling for post harvest use to appropriate volume measurements.
6. Submit five copies of the final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Stamped copies of the labels are enclosed for your records. The Confidential Statement of Formula dated 3/20/95 is acceptable.

Signature of Approving Official:
Connie B. Welch
Connie B. Welch, PM 21

Date:
7/7/95

BOTRAN FLOWABLE

Fungicide

ACTIVE INGREDIENT:

Dicloran (2,6-dichloro-4-nitroaniline)

% By Wt.

43.1% w/w

INERT INGREDIENTS

56.9% w/w

Total 100.0% w/w

Contains 4 lbs. of dicloran per gallon.

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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid inhalation of 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.

DO NOT REUSE EMPTY CONTAINER.

IN CASE OF FIRE, SPILL, LEAKY OR DAMAGED CONTAINERS, OR OTHER EMERGENCY,
CALL CHEMTREC AT (800) 424-9300.

ACCEPTED
with COMMENTS
In EPA Letter Dated

NET CONTENTS _____ POUNDS

JUL 7 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

10163-221

Gowan

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

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

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

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

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 FLOWABLE Fungicide when disease pressure is anticipated to be light. Use higher rates for severe disease pressure.

COMPATIBILITY

BOTRAN FLOWABLE Fungicide can normally be mixed with other fungicides, insecticides or defoliants. It is suggested that such combinations be used on a small number of plants before treating large areas. However, combination sprays of BOTRAN FLOWABLE 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 FLOWABLE 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.

USE LIMITATIONS

Do not exceed the maximum rate of BOTRAN FLOWABLE Fungicide per acre or the time limitations specified for the individual crops.

CROP RECOMMENDATIONS

Crop	Disease	Rate quarts/acre	Directions for Use
DIRECTIONS FOR USE ON TREE AND VINE CROPS			
Apricot	Fruit decay <i>Monilinia</i> brown rot <i>Rhizopus</i> rot	1 - 4	Apply 18 days and 10 days before harvest.
Grape	Bunch rot <i>Botrytis</i> rot <i>Botrytis</i> stem rot Storage rot <i>Botrytis cinerea</i>	1½ - 3½	Begin applications when disease is anticipated. Repeat applications at 7-day intervals or as needed. Up to 4 qts. of BOTRAN FLOWABLE Fungicide may be applied per acre per season. BOTRAN FLOWABLE 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.
Peach and Nectarine	Blossom blight <i>Monilinia</i> Fruit decay <i>Monilinia</i> brown rot <i>Rhizopus</i> rot	1 - 4	For Blossom blight, apply at pink bud and full bloom. For Fruit decay, apply 18 days and 10 days before harvest.
Plum and Prune	Blossom blight <i>Monilinia</i> brown rot	1 - 4	Apply at popcorn and full bloom.
Sweet Cherry	Blossom blight <i>Monilinia</i> Fruit decay <i>Monilinia</i> brown rot <i>Rhizopus</i> rot	1 - 4	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			
Celery	Pink rot <i>Sclerotinia sclerotiorum</i>	1½ (multiple applications) OR 4 (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 4 qts. of BOTRAN FLOWABLE 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)	Gray mold rot <i>Botrytis cinerea</i>	2	Apply 7 days following transplanting. Repeat application when plants are half mature. Do not apply to wilted plants or seedlings. May be applied up to 14 days before harvest. 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. May be applied up to 14 days before harvest. Notes: Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature. Two applications of BOTRAN FLOWABLE Fungicide may be applied per season.

Crop	Disease	Rate quarts/acre	Directions for Use
DIRECTIONS FOR USE ON ROW CROPS continued			
Lettuce (leaf and head)	Drop rot Watery soft rot <i>Sclerotinia sclerotiorum</i> <i>Sclerotinia minor</i> Gray mold rot <i>Botrytis cinerea</i>	1½ - 2½ 2½ - 4 2	<p>Apply 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 2½ qts. per acre in 50-100 gals. of water immediately after thinning. Up to 4 qts. of BOTRAN FLOWABLE Fungicide may be applied per acre per season.</p> <p>Apply immediately after thinning. Use 50-100 gals. of water per acre. Do not apply this product again after this single application.</p> <p>Apply prior to thinning (2-6 leaf stage) and repeat immediately after thinning. Use sprayer with drop nozzle to direct spray (50-100 gals. of water per acre) to lower portion of plants and surrounding soil.</p> <p>Notes: Do not apply within 14 days of harvest. 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.</p>
Onion, Garlic, and Shallot	White mold <i>Sclerotinia</i> Leaf blight <i>Botrytis rot</i> <i>Botrytis cinerea</i>	1 - 2	<p>Apply when disease is anticipated. Repeat at 14-day intervals if necessary. May be applied up to 14 days before harvest.</p> <p>Do not plant spinach as a follow-up crop in treated soil.</p>
Potato	<i>Botrytis</i> blight White mold <i>Sclerotinia sclerotiorum</i>	1½	<p>Apply beginning at layby. Continue applications at 10-14 day intervals. May be applied up to 14 days before harvest. Do not feed treated potatoes to livestock.</p> <p>Note: Use is limited to the North Central states only.</p>
Snap Bean	White mold <i>Sclerotinia sclerotiorum</i> (<i>Sclerotiniose</i>)	1 ² / ₃ (bush varieties) 3 (pole varieties)	<p>Begin applications when disease is anticipated and continue at 7-day intervals during periods favorable to the development of disease. May be applied up to 2 days before any harvest. Do not feed treated foliage to livestock.</p>

Supplemental Labeling for Greenhouse/Hothouse, Ornamentals and Ornamental Crops

CROP RECOMMENDATION

Crop	Disease	Rate qts./43,560 sq. ft.	Directions for Use
DIRECTIONS FOR USE ON GREENHOUSE AND HOTHOUSE			
Cucumber	White mold <i>Sclerotinia sclerotiorum</i>	1	Apply when disease first appears to diseased areas of plants. Additional applications may be required after 14 days. May be applied up to 1 day before any harvest.
Lettuce (leaf only)	Gray mold rot <i>Botrytis cinerea</i>	2	Apply 7 days following transplanting. Repeat application when plants are half mature. Do not apply to wilted plants or seedlings. Apply up to 14 days before harvest. Note: Some leaf bronzing may be noted soon after application, but the effect is of a temporary nature.
Rhubarb	<i>Botrytis</i> leaf rot	1	Begin applications when first buds emerge from crowns and repeat at weekly intervals. May be applied up to 3 days before harvest.
Tomato	Stem canker <i>Botrytis</i>	¾	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. May be applied up to 14 days before harvest.

Crop	Disease	Rate qts./43,560 sq. ft.	Directions for Use
DIRECTIONS FOR USE ON ORNAMENTALS AND ORNAMENTAL CROPS			
Chrysanthemum, Geranium and Rose	Blight <i>Botrytis</i>	¾	Apply in 150 to 200 gallons of water to stock cuttings or greenhouse plants. 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	Blight <i>Botrytis</i>	4	For <i>Botrytis</i> control, apply as a foliar treatment to growing plants.
		OR ¾	OR For <i>Botrytis</i> control, mix recommended rate in 150 gals. of water. Spray BOTRAN suspension on flower spikes after cutting and before shipment.
Rose and Hydrangea	Dry rot <i>Stromatinia</i>	¾	Bulb Dip: For Dry rot control, mix recommended rate in 75 gals. of water. Soak bulbs for 20 - 30 seconds in a suspension.
		¾	Mix recommended rate in 75 gals. of water. Field plants: Spray before shipment or storage. Stored plants: Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods.
Conifers, Christmas trees (nursery, greenhouse, container and bare root stock)	Blight <i>Botrytis</i>	1 - 2	Apply as a foliar spray when disease is anticipated or first appears. Use 2 lbs. for severe disease pressure. Repeat at 10 - 14 day intervals. Spray foliage until thoroughly wet. Alternating BOTRAN FLOWABLE Fungicide with other fungicides is recommended. 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 SPRINKLER 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 SPRINKLE 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 FLOWABLE 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 FLOWABLE 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, place away from heat or open flame. Protect from freezing.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

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.

epa -bh-3/95

Supplemental Labeling for Sweetpotato
BOTRAN FLOWABLE
Fungicide

ACTIVE INGREDIENT:	% By Wt.
2,6-dichloro-4-nitroaniline.....	43.1% w/w
INERT INGREDIENTS	56.9% w/w
	Total 100.0% w/w

Contains 4 lbs. of dicloran per gallon.

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.

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.

DO NOT REUSE EMPTY CONTAINER.

**IN CASE OF FIRE, SPILL, LEAKY OR DAMAGED CONTAINERS, OR OTHER EMERGENCY,
CALL CHEMTREC AT (800) 424-9300.**

NET CONTENTS _____ POUNDS



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

CHEMIGATION STATEMENT

Do not apply this product through any type of irrigation system.

GENERAL USE DIRECTIONS

Apply lower rates of BOTRAN FLOWABLE Fungicide when disease pressure is anticipated to be light. Use higher rates for severe disease pressure.

CROP RECOMMENDATIONS

Crop	Disease	Rate quarts	Directions for Use
DIRECTIONS FOR USE ON SWEETPOTATO			
Sweetpotato (plantbed, seed dip, bed spray)	Scurf <i>Monilochaetes infuscans</i>	¾	Seed dip: Mix recommended rate in 7½ gals of water. Dip seed sweet potatoes 10 - 15 seconds in a well-agitated BOTRAN suspension. Drain sweet potatoes and bed promptly. Prepare fresh BOTRAN FLOWABLE suspension daily. OR
	Sclerotial blight <i>Sclerotium rolfsii</i>	2¼ - 2½	Mix recommended rate in 14 gals. of water per 1000 sq. ft. of plantbed. Spray or sprinkle BOTRAN suspension over hedged sweet potatoes before covering them with soil. Caution: Do not plant tomatoes as a follow-up crop.

Crop	Disease	Rate quarts	Directions for Use
DIRECTIONS FOR USE ON SWEETPOTATO continued			
Sweetpotato (postharvest)	Postharvest decay <i>Rhizopus rot</i>	¾	<p>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 FLOWABLE per 100 gals. of water. Where black rot is a problem, do not recirculate used spray suspension.</p> <p>OR</p> <p>Dip roots for 5 - 10 seconds in well agitated suspension of BOTRAN FLOWABLE. Do not rinse after treatment. Add ½ quart BOTRAN FLOWABLE 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.</p>

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.

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.

Supplemental Labeling for Postharvest Uses
BOTRAN FLOWABLE
Fungicide

ACTIVE INGREDIENT:	% By Wt.
2,6-dichloro-4-nitroaniline.....	75% w/w
INERT INGREDIENTS	25% w/w
	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 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.

**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. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

DO NOT REUSE EMPTY CONTAINER.

**IN CASE OF FIRE, SPILL, LEAKY OR DAMAGED CONTAINERS, OR OTHER EMERGENCY,
CALL CHEMTREC AT (800) 424-9300.**

DIRECTIONS FOR USE

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

COMPATIBILITY

ALLISAN Postharvest Fungicide may not be compatible for use with all postharvest fruit and vegetable waxes. Check for compatibility before large scale treatment.

NET CONTENTS _____ LBS.



CROP RECOMMENDATIONS**DIRECTIONS FOR USE ON EDIBLE CROPS**

APRICOT: *Rhizopus stolonifer*, *Monilinia* rot (Brown rot)- Use 1 lb. per 100 gals. of water. Apply as a combination of fruit wax plus ALLISAN during packing line operations. Mix the combination in a tank equipped with mechanical agitation. Mechanically agitate combination during use. Apply the ALLISAN/wax combination to the fruit at the rate of 35-45 gals./hr. Flat-fan or flood jet nozzles should be used. Collect spray runoff in a drain tray and discard. Care should be taken to prevent plugging of nozzles.

Note: Do not treat fruit packed in containers which do not allow adequate drainage. *R. arrhizus* control in apricots may only be in the range of 60% or less.

CARROT: *Sclerotinia sclerotiorum*- Use 1 lb. per 100 gals. of water. Dip carrots for 10 seconds in well agitated suspension. Do not rinse after treatment. Add 1/2 lb. ALLISAN to 100 gals. of dip suspension after 500 bushels are treated. After each 1000 bushels treated, drain and flush tank. Refill with fresh dip suspension.

NECTARINE: *Rhizopus* rot, *Monilinia* rot (Brown rot)- Use 2 2/3 lbs. per 100 gals. of water. Apply only with fruit wax. Mix ALLISAN with wax in a tank equipped with mechanical agitation. The ALLISAN/wax combination should be mechanically agitated during use; bypass agitation will not keep ALLISAN in suspension. Fruit should be sprayed during packing line operations. Apply the ALLISAN/wax combination to the fruit at the rate of 30-35 gals./hour at 18-30 psi. Flat-fan or flood jet nozzles should be used. Collect spray run-off 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%.

PEACH: *Rhizopus* rot, *Botrytis* rot- Use 1 lb. per 100 gals. of water. **Spray or dip:** Immediately after picking, spray or dip peaches with a suspension of ALLISAN. Do not recirculate used spray suspension. **Processing line operations:** ALLISAN is most effective when applied during or after the defuzzing process, either by brushes, spray or in the hydrocooler. **Brushes:** Apply ALLISAN to the brush with traversing feeder nozzle capable of metering approximately 10 gals. of ALLISAN 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 gals. per hour. T-80 nozzles are suggested. Agitate spray suspension. Collect spray runoff in a drain tray and discard. **Hydrocooler:** As volume decreases, make up to original volume by adding ALLISAN suspension of 1 lb. per 100 gals. Drain and flush daily. **Note:** Do not treat peaches packed in containers which do not allow adequate drainage.

PEACH (For freezing and canning only): *Rhizopus* rot, *Botrytis* rot, *Monilinia* rot (Brown rot)- Use 2 2/3 lbs. per 100 gals. of water. Immediately after picking, dip peaches in a suspension of ALLISAN. Continuous agitation is necessary. As volume decreases, make up to original volume by adding a suspension of 2 2/3 lbs. ALLISAN per 100 gals. of water. Drain and flush system daily. **WARNING:** Peaches treated with this rate of ALLISAN 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 removes all excess residue.

PLUM: *Rhizopus* rot, *Monilinia* rot (Brown rot)- Apply only with fruit wax. Mix ALLISAN with wax in a tank equipped with mechanical agitation. The ALLISAN/wax combination should be mechanically agitated during use; bypass agitation will not keep ALLISAN 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. Use 2 2/3 lbs. per 100 gals. of water in conventional applicators (30-50 gals./hr) and apply 100 gals. of the diluted ALLISAN/wax combination to approximately 50,000 lbs. of fruit; or, use 10-12 lbs. per 100 gals. of water in low-volume applicators (5-8 gals./hr.) and apply 100 gals. of ALLISAN/wax combination to approximately 500,000 lbs. of fruit.

SWEET CHERRY: *Rhizopus* rot- Use 1 1/3 lbs. per 100 gals. of water. Spray cherries while sorting with a suspension of ALLISAN. Do not recirculate used spray suspension.

SWEET POTATOES: *Rhizopus* rot- Use 1 lb. per 100 gals. of water. **Spray:** 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. In recirculating systems, as volume decreases, make up to original volume with suspension equivalent to 1 lb. ALLISAN per 100 gals. of water. Where black rot is a problem do not recirculate used spray suspension. **Dip:** Dip roots for 10 to 15 seconds in well agitated suspension of ALLISAN. Do not rinse after treatment. Add 1/2 lb. ALLISAN 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 ORNAMENTAL CROPS

GLADIOLUS: *Botrytis* (Blight)- Use 3/4 lb. per 100 gals. of water. Apply spray mixture with enough pressured to force fungicide between spikes. Apply to bunched cut flower spikes after harvest and before shipment or storage.

ROSE, HYDRANGEA: *Botrytis* (Blight)- Use 1 1/3 lbs. per 100 gals. of water. Field: Apply ALLISAN prior to shipment or storage. Stored: Spray storage area thoroughly. Spray or dip plants. Repeat application during long storage periods.

STORAGE AND DISPOSAL

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

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.

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.

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