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MAR 23 1998

Dr. Richard A. Carver
E.I. DuPont de Nemours and Company
Agricultural Products
P.O. Box 80038
Wilmington; DE 19880-0038

Dear Dr. Carver:

Subject: Benlate Fungicide

EPA Reg. No. 352-354 Benlate SP Fungicide EPA Reg. No. 352-564

Your Submissions of February 26, 1998

The amendments referred to above, submitted in connection with registration under section 3(c)(7)(A) for the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) are acceptable provided that you:

- 1. Submit/cite all data required for registration and reregistration of your product under section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.
- 2. Submit one (1) copy of your final printed labeling before you release the label for shipment.

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 supplemental labels bearing the amended labeling constitutes acceptance of these conditions.

Stamped copies of the labels are included for your records.

Sincerely yours,

Mary J. Waller

Mary L. Waller

Acting Product Manager (21)

Fungicide Branch

Registration Division (7505C)

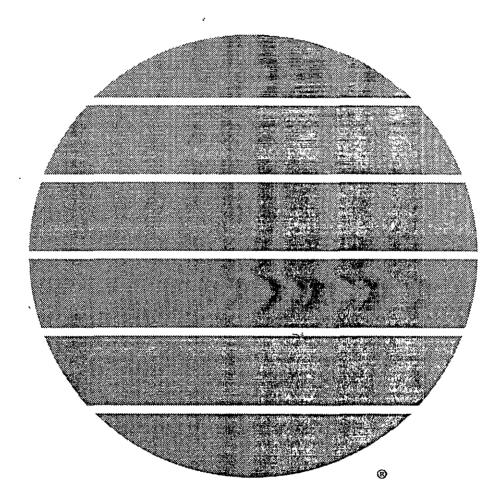
Enclosure

7505C:C.Grable:cg:3/18/98



# **Benlate**®

fungicide



"...... A Growing Partnership With

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## Benlate®

### fungicide

#### Wettable Powder

Active Ingredient 5	By Weight
Benomyl	
Methyl 1-(butylcarbamoyl)-2-	
benzimidazolecarbamate	50%
Inert Ingredients	50%
TOTAL	100%

EPA Reg. No. 352-354

# KEEP OUT OF REACH OF CHILDREN CAUTION

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! MAY IRRITATE EYES, NOSE, THROAT AND SKIN.

Avoid breathing dust or spray mist. Avoid contact with skin, eyes, and clothing.

This product may cause a temporary allergic skin reaction in a few susceptible persons. This condition should be treated as an allergic dermatitis. There is no evidence of after effects or permanent injury.

First Aid: In case of contact, flush skin or eyes with plenty of water, for eyes, get medical attention.

For medical emergencies involving this product, call toll free 1-800-441-3637.

PRECAUTIONARY STATEMENTS
(continued in next column)

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAR 23 1998

Under the Federal Inserticide, Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 352-354

## PRECAUTIONARY STATEMENTS (continued) PERSONAL PROTECTIVE EQUIPMENT

Handlers who may be exposed to the dilute through application or other tasks must wear:

Long-sleeved shirt and long pants.

Waterproof gloves.

Chemical-resistant footwear plus socks.

Chemical-resistant apron when cleaning equipment.

Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear:

Long-sleeved shirt and long pents.

Waterproof gloves.

Chemical resistant footwear plus socks.

Chemical-resistant apron when mixing or loading.

For exposures in enclosed areas, a respirator with either an organic vapor-removing carnidge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

For exposures outdoors, a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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.

#### **ENGINEERING CONTROL STATEMENTS**

Human flaggers must be in enclosed cabs.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

#### **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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark, except for the registered aquatic use on rice. Do not apply where runoff is likely to occur. Drift and runoff from treated areas may be hazardous to fish in adjacent areas. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from areas treated.

For registered aquatic uses: Aquatic organisms may be killed at recommended application rates.

#### PHYSICAL OR CHEMICAL HAZARDS

Keep away from fire or sparks.

#### **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 24 hours.

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.

Chemical-resistant footwear plus socks.

BENLATE should be used only in accordance with the recommendations on this label, or the recommendations in separate DuPont publications available through local dealers.

DuPont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by DuPont. User assumes all risk associated with such nonrecommended use.

#### **GENERAL INFORMATION**

BENLATE is a systemic fungicide recommended for the control of many important plant diseases. Apply as a spray with ground equipment, except as otherwise directed in the "Crop/Rate Table", using sufficient water to obtain thorough coverage of plants. Application by air or chemigation is permitted for some crops. Under severe disease conditions, use the higher treatment rate and shorter interval for repeat applications as specified on the label for each crop. Large mature trees will also require the higher labeled rate. Use only in commercial or farm plantings. Not for use in home plantings nor once any commercial crop is turned into "U-Pick", "Pick Your Own" or similar operation.

#### Resistance Management

If treatment with BENLATE is not effective, a benomylresistant strain of the fungus may be present. If this is the case, neither BENLATE nor any other benzimidazole- or thiophanate-type fungicide will effectively control that disease. Consider prompt use of other types of suitable fungicides. Repeated, exclusive use of BENLATE may lead to buildup of resistant strains of fungi and loss of disease control. A spray program alternating BENLATE use with other fungicides may delay buildup of resistant strains. For guidance on your particular crop and disease control situation, consult your state extension specialist or official state recommendations.

#### Preparation of Spray Mixture

Add the required amount of BENLATE to the necessary volume of water in the spray tank; continuously agitate the tank by hydraulic or mechanical means to keep the material in suspension. Do not tank mix BENLATE with lime or alkaline pesticides such as Bordeaux mixture or lime sulfur.

When the use of a spray oil is recommended (for crops such as apples, peanuts, pecans, and stone fruits), use a nonphytotoxic superior-type spray oil (60 to 70 second viscosity); add oil as last ingredient to spray tank. Consult product labels before applying other pesticides in conjunction with spray oil or immediately before or after an oil application. Follow label instructions for each product used in tank mixtures; observe all precautions and restrictions.

#### Notes

Do not tank mix or alternate BENLATE with benzimidazole or thiophanate products such as Mertect' or Topsin<sup>2</sup>.

Do not use on greenhouse crops, including hydroponically grown crops.

Do not use on any container-grown crops.

Do not use on ornamentals.

#### **CHEMIGATION**

Apply BENLATE only through sprinkler irrigation, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move irrigation systems only on beans, carrots, celery, cucurbits, peanuts, strawberries or tomatoes. Do not apply BENLATE to any other crops using chemigation unless permitted by supplemental labeling.

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 used for pesticide application to a public water system unless the pesticide labelprescribed 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.

#### Specific Instructions for 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.

- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4. The pesticide injection pipeline must 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.
- 5. 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.
- 6. 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.

#### Specific Instructions for Sprinkler Irrigation 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.
- 3. 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.
- 6. 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.
- 8. Good agitation is required in the injection tank.

- 9. In moving systems, apply specified dosage of BENLATE as a continuous injection. In nonmoving systems inject BENLATE for 15 to 30 minutes at end of cycle. Use the least amount of water possible consistent with uniform coverage.
- 10.Mix the amount of BENLATE needed for acreage to be treated into the quantity of water determined during prior calibration. For moving systems inject into the system continuously for one complete revolution of the field. For nonmoving systems inject into system for the time established during calibration.
- 11. Stop injection equipment after treatment is completed and continue to operate irrigation equipment until all BENLATE is flushed from system.

#### SPRAY DRIFT MANAGEMENT

The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

#### IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

#### Controlling Droplet Size - General Techniques

- Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure Use the lower spray pressures recommended for the nözzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- Nozzle Type Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

#### Controlling Droplet Size - Aircraft

- Number of Nozzles Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- Nozzle Orientation Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.
- Nozzle Type Solid stream nozzles (such as disc and core
  with swirl plate removed) oriented straight back produce
  larger droplets than other nozzle types.
- Boom Length The boom length should not exceed 3/4 of the wing or rotor length - longer booms increase drift potential.
- Application Height Application more than 10 ft above the canopy increases the potential for spray drift.

#### **BOOM HEIGHT**

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### WIND

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. AVOID GUSTY AND WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they effect spray drift.

#### TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

#### TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

#### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

#### AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

### AIR ASSISTED (AIR BLAST) TREE AND VINE SPRAYERS

Air assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream.

In addition to the general drift management principles already described, the following specific practices will further reduce the potential for drift:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy.
- Block off upward pointed nozzles when there is no overhanging canopy.
- Use only enough air volume to penetrate the canopy and provide good coverage.
- Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

#### CROP/RATE TABLE

Сгор	Disease	Limit /Acre /Crop	Rate, Manimura Gailonage	Application Timing	Last Application (days to harvest)
Almonds	Brown Rot Blossom Blight (Monitinia)	48 oz (3 lb)	16 to 24 <b>cz/A</b> 10 gal/A zir	Apply at pink bud. If needed, repeat during half to full bloom or 10 days after initial application, whichever comes first.	50
		•		beled nonbenzimidazole fungicide. rieties, make a second application during half to	ŕ
Apples .	See POME FRUITS.				
Apricots '	See STONE FRUITS.				,
Avocados (FL and PR only)	Scab (Sphaceloma) Cercospora Spot Anthracnose	96 oz (6 <b>lb)</b>	16 to 32 rz/A 10 gal/A air	Apply at bud swell. Repeat at 3 to 4 week intervals.	30
-•	Do not use BENLATE alone program with a labeled nonbe	in a spray progra enzimidazole fun	am. Use only in a gicide.	combination or in an alternating application	
BEANS Dry Succulent	White Mold (Sclerotinia) Gray Mold (Botrytis)	64 oz (4 lb)	24 to 32 cz/A 25 gal/A 3 gal/A air	Apply from 10% bloom through 7 days after 10% bloom. During severe disease conditions, repeat 7-10 days later. Pacific NW: Apply prior to first petal fall/row fill. Repeat 7 to 10 days later.	Dry/Snap 14 Other Succulent
	Anthracnose (except CA)	1	8 to 24 02 A		28
-	May be used through irrigate     For narrow-row (20 to 40") p     repeat 7 to 10 days later. BE	lantings of irrigat	ed dry bears in a only partial cont	MT, NE. CO, WY, apply at initial bloom, and sol of white mold.	
Dry (band spray)	White Mold (Sclerotinia) Gray Mold (Botrytis)	64 oz (4 lb)	32 oz/A 25 gal/A	Apply from 10% bloom through 7 days after 10% bloom.	
	During severe disease cond arrangement used at high pre-			application 7-10 days later. A 3-rozzle-per-row	
Snap	Fusarium Root Rot	64 oz (4 lb)	12 to 16 cz/A 15 gal/A	Apply in-furrow at planting.	NA*
	BENLATE does not control	Pythium sp.	<u></u>		
Blackberries	See CANEBERRIES.				
Blueberries Bot Mu	Botrytis Blossom Blight Mummy Berry	Before harvest: 48 oz (3 lb) After harvest: 32 oz (2 lb)	16 oz/A 5 gal/A air	Apply at green tip. Repeat at 7 to 10 day intervals through petal fall.	21
	Anthracnose Leaf Spot	Totzi: 80 oz (5 <b>b</b> )		Apply when disease appears. Receat 14 days later. After harvest, make 2 applications at 14 day intervals as needed.	
	Do not make more than 3 applications at 16 oz/A before isavest.  Do not use BENLATE alone in a spray program. Use only in combination or in an alternating application program with a labeled nonbenzimidazole fungicide.				
: , ,	Do not use on container-gro		<b></b>		
Boysenberries	- See CANEBERRIES.		***************************************		
Broccoli	See BRASSICA.		<del></del>		<del>                                     </del>

<sup>&</sup>quot;NA = Not Applicable

- Стор	,				
	Disease	Limit /Acre /Crop	Rate, Minimum Gallonage	Application Timing	Last Application (days to harvest)
(seed crops) Broccoli	White Mold (Sclerotinia)	96 oz (6 lb)	32 oz/A 5 gal/A air	Apply at first petal fall. Repeal at 14 day intervals.	NA*
Brussels Sprouts Cabbage Chinese Cabbage Caulillower		·			•
Collard Kale Kohlrabi Mustard Greens					
Rutabagas Tumips	Add a spreader sticker to aid	in wetting plants			
1	<ul> <li>Do not graze livestock in trea</li> <li>Do not use treated seed or p</li> </ul>	ited areas.			
Brussels Sprouts	White Mold (Sclerotinia) Gray Mold (Botrytis) Anthracnose Ring Spot	96 oz (6 lb)	32 oz/A 3 gal/A air	Apply when disease appears. Repeat at 7 day intervals.	7
	<ul> <li>Do not make more than 3 ap</li> <li>White Mold (Sclerotinia)</li> </ul>	plications per cro 48 oz	op per season. 8 oz/A	Apply when disease appears. Repeat at 7 to 10	
	Do not make more than 6 an	(3 lb)	L SOLOGO	day intervals.	
Turnip Greens (AL, AR, FL, GA, KY, LA, MS, NC, OK, SC, TN, TX.	Do not make more than 6 ap Cercospora / Cercosporella Leaf Spots Anthracnose Powdery Mildew (Erysiphe)	24 oz (1.5 lb)	8 oz/A 3 gal/A air	Apply when disease appears. Repeat at 14-day intervals.	14
	<ul> <li>Do not make more than 3 ap</li> </ul>	plications per cr	op per season.		
Brussels Sprouts	See BRASSICA.				
Cabbage	See BRASSICA.				
Blackberries	Botrytis Powdery Mildew Penicillium Rots	60 oz (3.75 lb)	12 oz/A	Apply at 5 to 10% bloom. Repeat at full bloom, followed by 14 day intervals.	3
·	Do not make more than 5 ap	plications per cr	op per season.		
<u>-</u>	Endosepsis	4 oz (0.25 lb)	4 oz/25 gai	Immerse figs into solution.	NA*
. ]	White Mold (Sclerotinia)  May be used through irrigation	48 oz (3 ib)	4 to 16 oz/A 5 gat/A air	Apply when disease appears. Repeat at 7 to 10 day intervals.	4

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-		Limit /Acre	Rate, Minimum	Application	Last Application (days to	
Стор	Disease	/Crop	Gallonage	Timing	harvest)	
Celery	Early Blight (Cercespora)  Late Blight (Septoria)	48 oz (3 lb)	4 to 8 cz/A 5 gal/A air	Apply when disease appears. Repeat at 7 to 10 day intervals.	7	
	May be used through imigation	n systems.				
Cherries	See STONE FRUITS.					
CITRUS	Scab (Elsinoe)	96 oz	24 to 48 oz/A	For light disease, apply once at 2/3 petal fall.	. 2	
•		(6 lb)		For heavy disease, apply at pinhead stage. Repeat at 2/3 petal fall.		
	Greasy Spot (Mycosphaerella)			Apply once from mid-June to mid-July.		
	Fruit Decay (Green or Blue Mold, Stem-and Rot)	· <b>.</b>	16 to 32 oz/A	Apply once from 3 weeks to 2 days before harvest.		
-	Do not use BENLATE alone. with copper sprays.     Do not graze livestock in treater.	·	nbination with a la	beled nonbenzimidazole fungicide or alternate		
Collard	See BRASSICA.					
CONIFERS (PINE) Austrian Red Soots	Tip Blight (Diplodia)	48 oz (3 lb)	16 oz/A 100 gal/A	Apply at bud break. Repeat 10 to 14 days later, just before needles emerge from sheath; repeat again 10 to 14 days after needle emergence.	NA*	
(FIR) Douglas	Swiss Needle Cast (Phaecryptopus Rhabdodine Neede Cast	80 oz (5 lb)	16 oz/A 50 gal/A	Apply initially in early May. Repeat at 4 week intervals.		
	Add a spreader sticker to imp     Use minimum pallonage with     Do not graze livestock in treater.	mist-blower typ	es of sprayers ar	nd higher gallonage with conventional sprayers.		
CONIFERS (seedling treatment) Longleaf	Brown Needle Blight (Scirrhia)	NA*	1 oz/9.5 oz dry Kacilnite clay for seedling roots	Wet seedling roots in clean water, then apply BENLATE/Kaolinite mixture to wet roots.	NA*	
Loblolly Longleaf Slash	Fusarium and Rhimotonia Root Rot		2 oz/50 oz Kaolinîte clay, plus enough water to make a slurry	Thoroughly cover seedling roots with BENLATE/Kaolinite slurry.		
	Do not apply mixture to seedling foliage.  During treatment, avoid excessive drying of roots or exposure to temperatures greater than 90 °F or less than 32 °F.  BENLATE does not control <i>Pythium</i> or <i>Phytophthora</i> .					
Cucumbers	See CUCURBITS.					
CUCURBITS Cucumber	Anthracnose (Colletotrichum) Powdery Mildew	32 oz (2 lb)	ground: 4 to 8 ez/A 50 gal/A	Apply when disease appears or when runners form. Repeat at 7 to 14 day intervals.	1	
Melon Pumpkin	Target Spot (Connespora)		air: 8 oz/A		, i	

		-				,
-		- :	• .			- ///
Crop	Disease	Limit /Acre /Crop	Raie, Misimum Gallonage	Application Timing	Last Application (days to harvest)	7
CUCURBITS	Cephalosporium Wilt	8oz	SozA	Apply in-furrow at planting.	NA*	
(continued) Melans		(0.5 lb)				
	Do not use less than 10 gallo	ons of solution <b>p</b> e	xacre.	,	_	٠.
Currants	Powdery Mildew (Sphaerotheca)	60 oz (3.75 lb)	12 <i>szl</i> A	Apply at early bloom. Repeat at full bloom, followed by 7 to 14 day intervals.	21	
Dandelions (FL only)	White Mold (Sclerotinia)	32 oz (2 lb)	8oz/A	Apply when disease appears. Repeat at 7 day intervals.	7	
Dewberries	Sée CANEBERRIES.					
Fir	See CONIFERS.					
Garlic (CA only)	Penicillium Clove Rot	16 oz (1 lb)	16 ez/100 gal	Completely immerse garlic cloves in suspension for at least 5 minutes.	NA*	
-4	Continuously agitate the solu     After treatment, remove clov     Dry cloves after treatment ar	es from solution	and chain over sa			
Grapes	Botrytis Bunch Rot	96 oz (6 lb)	16 to 24 oz/A 15 gaVA air	Apply at first bloom (1 to 5%). Repeat 14 days after first bloom. If conditions favor disease, repeat again 14 days later.	50	
	Anthracnose ( Elsinoe) Isariopsis Leaf Spot		24 ozlA 15 gallA air	Apply at 4 to 10" shoot growth. Repeat at 10 to 14 day intervals. After harvest, apply to vines at 4 week intervals.		
Grapes (East of Rockies)	Powdery Mildew (Uncinula) Black Rot (Guignardia) Bitter Rot (Melanconium)		12 io 24 oz/A 15 gal/A air	Apply at foliar emergence. Repeat at 14 to 21 day intervals.		
	<ul><li>high temperature areas such</li><li>Do not use BENLATE alone</li></ul>	n as the San Joz in a spray progra	quin and Sacram arr. Use only in o	bunch Rots. These rots occur most frequently in ento Valleys of California.  combination or in an alternating application		
Grapes	program with a labeled nonb Eutypa Dieback	penzimidazole fur NA*	igode. 3.2 ozágal	Paint or spray on immediately after pruning, before rain, dew, and spores come in contact with fresh wood.	NA"	
Kale	See BRASSICA.	<u> </u>				
Kohlrabi	See BRASSICA.		<del></del>			
		·· <del>·</del>	<u> </u>		<u> </u>	
Loganberries	See CANEBERRIES.					
Macadamia Nuts (HI only)	Botrytis Blossom Blight  Do not make more 3 applica	84 oz (5.25 lb)	23 oz/A	Apply 7 to 14 days before bloom. Repeat at 7 to 14 day intervals through bloom.	NA*	
(HI only)	Do not make more 3 applica	(5.25 lb) tions per season		to 14 day intervals through bloom.		
(HI only)	Do not make more 3 applica     Anthracnose	(5.25 lb) tions per season 96 oz (6 lb)	16 to 32 oz/A	Apply at panicle emergence (2"). Repeat at 7 day intervals through fruit set, followed by 3 to 4 week intervals.	NA*	
(HI only) Mangoes	Do not make more 3 applica     Anthracnose     Do not use BENLATE alone program with a labeled nonbu	(5.25 lb) tions per season 96 oz (6 lb) in a spray progra	16 to 32 oz/A	to 14 day intervals through bloom.  Apply at panicle emergence (2"). Repeat at 7 day intervals through fruit set, followed by		
(HI only) Mangoes	Do not make more 3 applica     Anthracnose     Do not use BENLATE alone	(5.25 lb) tions per season 96 oz (6 lb) in a spray progra	16 to 32 oz/A	Apply at panicle emergence (2"). Repeat at 7 day intervals through fruit set, followed by 3 to 4 week intervals.		
	Do not make more 3 applica     Anthracnose     Do not use BENLATE alone program with a labeled nonbu	(5.25 lb) tions per season 96 oz (6 lb) in a spray progra	16 to 32 oz/A	Apply at panicle emergence (2"). Repeat at 7 day intervals through fruit set, followed by 3 to 4 week intervals.		
(HI only) Mangoes Melon Mushrooms	Do not make more 3 applica     Anthracnose     Do not use BENLATE alone program with a tabeled nonb     See CUCURBITS.	(5.25 lb)  10 yes season  10 yes oz (6 lb)  10 a spray progra enzimidazole fir  4 oz (0.25 lb)/ 1000 sq fi/crop	16 to 32 oz/A  16 to 32 oz/A  Em. Use only in orapicate.  16 ozz/100 gal (use 12.5 gal per 1000 sq ft	Apply at panicle emergence (2"). Repeat at 7 day intervals through fruit set, followed by 3 to 4 week intervals. combination or in an alternating application  New bed: Apply after casing. Repeat 3 to 4 days before harvest.  Production bed: Apply after picking. Repeat 10	14	
(HI only) Mangoes Melon Mushrooms	Do not make more 3 application     Anthracnose     Do not use BENLATE alone program with a tabeled nontering the see CUCURBITS.  Verticillium Spot (Dry Bubble)	(5.25 lb)  10 yes season  10 yes oz (6 lb)  10 a spray progra enzimidazole fir  4 oz (0.25 lb)/ 1000 sq fi/crop	16 to 32 oz/A  16 to 32 oz/A  Em. Use only in orapicate.  16 ozz/100 gal (use 12.5 gal per 1000 sq ft	Apply at panicle emergence (2"). Repeat at 7 day intervals through fruit set, followed by 3 to 4 week intervals. combination or in an alternating application  New bed: Apply after casing. Repeat 3 to 4 days before harvest.  Production bed: Apply after picking. Repeat 10	14	

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					,				
Crop	Disease	Limit /Acre /Crop	Rate, Minimum Gallonage	Application Timing	Last Application (days to harvest)				
Onions (seed crop; CA only)	Botrytis	NA*	16 oz/A	Apply when disease appears. Repeat at 7 day intervals.	NA*				
		Do not use treated onions for food or feed.							
Oranges	See CITRUS.								
Papaya	Anthracnose Powdery Mildew	96 oz (6 lb)	16 to 32 oz/A	Apply at bud expansion. Repeat at 3 to 4 week intervals.	14				
Peaches	See STONE FRUITS.								
Peanuts	Rust ( <i>Puccinia</i> ) Ascochyfa Web Blotch	48 oz (3 lb)	4 oz/A 5 gal/A air	Apply 35 to 40 days after planting or when disease appears.	14				
				Rust: Repeat at 7 to 10 day intervals.					
<b>→</b>				Web Blotch: Repeat at 7 to 14 day intervals.	<u>i</u>				
	Blackhull (Thielaviopsis)		4 oz/A	Apply in-furrow at planting.	]				
	DuPont MANZATE® 200 Fu	ngicide at 1.5 lb		abeled nonbenzimidazole fungicide such as					
•	<ul> <li>May be used through irrigati</li> <li>Do not graze livestock in tre</li> </ul>	-	ed livestock treate	ed vines hav or hulls					
Pears	See POME FRUITS.		00 117000011 110011	a mooyacy, or manor					
Pecans	Scab (Fusicladium)	48 oz	8 to 16 oz/A	Apply at bud break or leaf unfolding. Repeat at	15				
	Brown Leaf Spot (Cercospora) Downy Spot (Mycosphaerella) Powdery Mildew (Microsphaera) Liverspot Zonate Leaf Spot Fungal Leaf Scorch	(3 lb)	10 gal/A air	nut formation and 3 to 4 week intervals thereafter.					
	Do not use BENLATE alone in a spray program. Use only in combination or in an alternating application program with a labeled nonbenzimidazole fungicide.								
	Use the higher treatment rate on trees over 30 ft tall.								
	Spray oils may be added to the tank mix.								
	Do not apply after shuck spl	it.							
Pine	See CONIFERS.	T	T 00 400 1		<u> </u>				
Pineapple (seed piece)	Pineapple Butt Rot ( <i>Thielaviopsis paradoxa</i> )	NA*	20 oz/100 gal	Immersa seed pieces in solution and wet thoroughly; remove and allow to drain.	NA*				
Pistachio (CA only)	Shoot Blight (Botrytis, Botryosphaeria)	32 oz (2 lb)	24 to 32 oz/A 100 gal/A	Apply at first bloom.	NA*				
Plums	See STONE FRUITS.								
POME FRUITS	Scab (Venturia)	80 oz	6 to 12 oz/A	Apply at 1/2" green tip. Repeat at 7 to 14 day	14				
Apples	Powdery Mildew (Podosphaera)	(5 lb)	2 to 3 oz/100 gal dilute spray	intervals.					
	Fly Speck ( Schizothyrium) Sooty Blotch ( Gloeodes) Black Rot (Botryosphaeria)			Apply at petal fall, or when disease threatens. Repeat at 14 to 21 day intervals.					
	Fruit Rots ( <i>Botrytis</i> spp., <i>Penicillium</i> spp.,		6 oz/100 gal	Apply once 2 to 3 weeks before harvest.					
(continued on	Gloeosporium spp.)		MOTEO ON NEW	T DAOF					
next page)		SEE	NOTES ON NEX	T PAGE					

Crop	Disease	Limit /Acre /Crop	Rate, Minimum Gallonage	Application Timing	Last Application (days to harvest)		
POME FRUITS (continued) Pears	Scab (Venturia) Powdery Mildew (Phyllactinia)	80 oz (5 lb)	12 to 24 oz/A	Apply at 1/2" green tip. Repeat at 7 to 14 day intervals.	14		
	Fly Speck Scoty Blotch		4 to 6 oz/100 gal dilute spray	Apply at petal fall or when disease threatens. Repeat at 14 to 21 day intervals.			
	Fruit Rots (Botrytis spp., Penicillium spp., Gloeosporium spp.)		6 oz/100 gai	Apply once 2 to 3 weeks before harvest.			
	<ul> <li>program with a labeled nonbe</li> <li>Under severe disease conditi intervals for repeat application</li> </ul>	enzimidazole fu ions or on disea ns.	ngicide. ise-susceptible va	combination or in an alternating application arieties, use higher treatment rates and shorter			
<b>-</b>	Spray injury may result if Car spray. (Apples)     Do not graze livestock in trea		s a tank mix partn	er immediately before or closely following an oil			
Prunes	See STONE FRUITS.						
Pumpkin	See CUCURBITS.	<del></del>			<u></u>		
Raspberries	See CANEBERRIES.		<del></del>		<u> </u>		
Rice (excludes CA)	Sheath Blight (Rhizoctonia)	64 oz (4 lb)	16 to 32 oz/A 3 gat/A air	Scout at 1/2" internodes, spray at 5 to 15% infection. Repeat 10 to 14 days later.	21		
	Blast ( <i>Pyricularia</i> )			Apply at late boot stage (just prior to head emergence). Repeat 7 to 10 days later or at 90% head emergence from boot.			
	Stem Rot (Scientium) Narrow Brown Leaf Spot (Cercospora)			Apply between 1/2 to 3/4" internodes and late booting. Repeat 14 days later.			
	Leaf Smut (Entyloma) Sheath Rot (Acrocylindrium)						
	To ensure adequate coverage when disease is severe, use higher treatment rates, higher gallonage, and make additional BENLATE applications.						
				a preventive treatment program. Visual ter infection occurs. Field scouting is highly			
<u> </u>	<ul> <li>Do not apply to fields where</li> <li>Do not drain treated water in:</li> </ul>	•		are farmed.			
	Do not use treated water to it		-				
	Do not apply to stubble rice.						
	<ul> <li>BENLATE is toxic to fish. Ke drift from treated areas.</li> </ul>	ep out of lakes,	streams, or pond	s. Do not apply when weather conditions favor			
Rutabagas	See BRASSICA.						

- Стор	Disease	Limit /Acre /Crop	Rate, Minimum Gallonage	Application Timing	Last Application (days to harvest)
SEED CROPS (grown for seed; CA only) Anise Brussels Sprouts Cabbage	Powdery Mildew	NA⁺	16 oz/A 5 gal/A air	Apply when disease appears. Repeat at 7 to 14 day intervals.	NA*
Cardoon Cauliflower Chickory Com Cucumbers Dill Melons					
Peas Peppers, Bell Squash	Do not use treated seed or pl	ont parts for too	l or food		
Soybeans (seed or food crop)	Diaporthe Pod and Stem Blight Anthracnose ( Glomerella) Septoria Brown Spot Frogeye Leaf Spot (Cercospora) Purple Seed Stain		8 to 16 oz/A 5 gal/A air	Apply at early pod set (pods 1/8 to 1/4" long at 1 of 4 main stem upper nodes). Repeat 14 to 21 days later (as needed).	35
	Aerial Blight ( Rhizoctonia)		16 oz/A 5 gal/A air	Apply when disease threatens.	
Squash	Do not graze livestock in trea     See CUCURBITS.	ited areas or fee	a livestock treate	o vines or nay.	
STONE FRUIT Apricots Nectarines Peaches Plums Prunes	Brown Rot Blossom Blight (Monilinia) Powdery Mildew Peach Scab (Venturia)	64 oz (4 lb)	East of Rockies: 16 to 32 oz/A West of Rockies: 24 to 32 oz/A 10 gal/A air	Apply at early bloom before infection occurs.  Apricots: early red bud  Peaches/Nectarines: pink bud  Plums/Prunes: green tip  Blossom Blight;  Repeat at full bloom or 10 days later.  Powdery Mildew or Peach Scab:  Repeat at full bloom or 10 days later. At shuck fall and 14 days later use a nonbenzimidazole fungicide.	3
Divers	Fruit Brown Rot (Monilinia)		104-04-04	Apply 3 to 21 days before harvest. Use additional nonbenzimidazole sprays as needed.	
Plums Prunes	Black Knot ( Dibotryon)		12 to 24 oz/A 10 gal/A air	Apply at early bloom (green tip). Repeat at 7 to 10 day intervals through mid-June.	
Peaches (continued on	Cytospora Canker	NA*	2 Tbsp/16 oz wound dressing	As a wound dressing, apply to pruned or cut surface.	NA*
next page)		SEE N	OTES ON NEXT	T PAGE	

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		g and Signer 2			به الله الله الله الله الله الله الله ال	
Скор	Disease	Limit /Acre /Crop	Rate, Minimum Gallonage	Application Timing	Last Application (days to harvest)	The second secon
STONE FRUIT (commued) Chemies	Brown Rot Blossom Blight ( <i>Monilinia</i> ) Powdery Mildew	96 oz (6 lb)	East of Rockies: 16 to 32 oz/A West of	Apply at early popoorn stage.  Blossom Blight. Repeat at full bloom or 10 days later.	3	4
	Cherry Leaf Spot (Mycosphaerella)		Rockies: 24 to 32 oz/A 10 gal/A air	Powdery Mildew: Repeat at full bloom or 100 days later. At shuck fall and 14 days later use a nonbenzimidazole fungicide.		
	F-110			Cherry Leaf Spot: Repeat at 10 to 14 day intervals; make one application 2 to 3 weeks after harvest.	-	-
	Fruit Brown Rot	0.0000000000000000000000000000000000000	m Hos colvin o	Apply 3 to 21 days believe harvest.		
	program with a labeled nonbe			computation or m sm smsmmanifications		
	<ul> <li>For aerial application, fly ove</li> </ul>	r every row or ce	enter.			'
	and Alternaria spp.		Shot Hole, bacte	rial Blast, or fruit rets caused by <i>Phizopus</i> spp.		
	<ul> <li>Do not graze livestock in trea</li> <li>BENLATE is not labeled for I</li> </ul>		t of the Rocky Me	ountains.		1
Strawcerries	Powdery Mildew	80 oz	8 to 16 oz/A	Apply at 16 oz/A at 10% bloom and at full	1	
	Leaf Scorch	(5 lb)	10 gal/A air	bloom. Repeat at 8 oz/A at 10 to 14 day intervals		
	Leaf Blight			Intervals		
	Mycosphaerella Leaf Spot					
	Anthracnose		16 oz/A 10 gal/A air	Apply when plants are established. Repeat at 7 day intervals.		
	Do not use BENLATE alone program with a labeled nonbi     May be used through irrigation.	enzimidazole fun	m. Use only in o	combination or in an alternating application		
Tomatoes	Gray Mold (Botrytis)	80 oz	8 to 16 oz/A	Apply when disease appears. Repeat at 7 to 14	1 1	<u> </u> 
Julianes	Leaf Mold (Cladosporium) White Mold (Sclerotinia)	(5 lb)	50 gal/A	day intervals.		
, ,	Cercospora Leaf Spot Phoma Leaf Spot Target Spot (Corynespora)	in the state of th	5 gal/A air		•	
		in a spray progra enzimidazole fun	m. Use only in o	combination or in an alternating application	Julianing Street	
	May be used through irrigation	n systems.	San			
Ternips and Turnip Greens	See BRASSICA.					
Wheat	Strawbreaker Foot Rot (Pseudocercosporella)	48 oz (3 lb)	12 to 32 oz/A	Apply once at full illering but before elongation.	21	LETTER ATTENDED TO STATE OF THE
÷	C		15 gal/A 5 gal/A air	A STATE OF THE STA		
	nonbenzimidazole fungicide.			BENLATE alone. Use only in combination with a		
	Do not allow livestock to graz		<u>,</u>		h-e-marks.	د. د د د معیده د د د مگ
	Powdery Mildew (Erysiphe) Leaf Rust (Puccinia) Helminthosporium Leaf Blight	48 oz == (3 lb)	4 to 8 oz/A 15 gal/A	Apply at boot stage to early heaving. Repeat 14 days later.		
(confinued on		diseases tank i	5 gal/A air	oz/A of MANZATE 200. Time the applications to		A STATE OF THE STA
bextbade)	keep the flag leaf free of dise	ase. Do not use	BENLATE alone	OCH OF INDICATE E COO. SENSO SEC CAMPOUND IO		

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Стор	Disease	Limit /Acre /Crop	Rate, Minimum Gallonage	Application Timing	Last Application (days to harvest)
Wheat (continued)	Septoria Leaf Glume Blotch Powdery Mildew (Erysiphe) Leaf Rust	45 oz (7 lb)	4 oz/A 15 gal/A 5 gal/A air	Apply at boot stage. Repeal 14 days later.	21
	<ul> <li>For effective control of these diseases, tank mix with 2 to 4 oz/A of Bayleton<sup>4</sup>. Time the applications to keep the flag leaf free of disease.</li> </ul>				
Yams (PR only)	Anthracnose (Colletotrichum)	96 oz (51b)	16 to 32 oz/A	Apply when disease appears. Repeat at 3 to 4 week intervals.	90

#### SEED TREATMENT TABLE

			8 12 12 1	
Crop	Disease	Rete	Application Timing	Further Use Information
Beans, Snap	Fusarium Root Rot     BENLATE does not control	6 ou/50 lb seed	Apply dry in planter box.	All Crops:  Label treated seed as follows: "Do not use treated seed for food, feed, or oil purposes. This seed treated with BENLATE Fungicide."  Dry Treatment:
BRASSICA  Broccoli  Brussels Sprouts  Cabbage  Chinese Cabbage  Cauliflower  Collard  Kale  Kohlrabi  Mustard Greens  Rape (Canola)  Rutabagas  Turnips	Seed-borne Blackleg ( Phoma)	8 out 100 lb seed in 1/2 to 3 pit water	Use slurry treatment.	<ul> <li>Sprinkle BENLATE over the seed surface, and stir until seed is thoroughly covered.</li> <li>Slurry Treatment:</li> <li>Make a slurry of BENLATE in sufficient water to uniformly treat seed.</li> <li>An EPA-approved dye that imparts an unnatural color to the treated seed must be used with the treatment.</li> <li>Use a slurry-type treater specifically designed and approved for this purpose.</li> <li>Allow seeds to dry before planting; seeds may be planted any time after being well cured.</li> </ul>
Chickpeas (ID and WA only)	Seed-borne Ascochyta rabiei  BENLATE does not control s		Use slurry treatment.	
Spinach	Fusarium Wilt	16 to 32 oz/100 lb seed in 1/2 to 2 pt water	Use slurry treatment.	
Wheat, Barley, Oats, Rye	Bunt and Common Bunt Flag Smut, Loose Smut, and Covered Smut.	1 in 2 ozlavshel sæd	Use either dry or slurry treatment.	:
	Do not allow livestock to graz	e on plans-grown from	n veated seed.	

#### STORAGE AND DISPOSAL

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

STORAGE: Never allow "Benlate" to become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of "Benlate" as a fungicide. Keep container tightly closed when not in use. Store product in original container only.

**PRODUCT DISPOSAL:** Do not contaminate water, food or feed by storage or 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 OF WARRANTY

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of DuPont. In no case shall DuPont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. DUPONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

- 1 Registered trademark of Merck & Company.
- 2 Registered trademark of Nippon Soda Company, Japan.
- 3 Rregistered trademark of Drexel Chemical Co.
- 4 Registered trademark of Bayer AG, Germany.

SL - 256-1 9087 12/15/95

3/23/98

MAR 23 1998

Dr. Richard A. Carver E.I. DuPont de Nemours and Company Agricultural Products P.O. Box 80038 Wilmington, DE 19880-0038

Dear Dr. Carver:

FM 21

Subject: Benlate Fungicide EPA Req. No. 352-354

Your Submission of January 23, 1998

The supplemental labeling referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) is acceptable provided that you:

- Submit/cite all data required for registration and reregistration of your product under section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.
- 2. Submit one (1) copy of your final printed labeling before you release the supplemental labeling for shipment.

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 supplemental label bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the supplemental label is enclosed for your records.

Sincerely yours,

Mary J. Walley

Mary L. Waller

Acting Product Manager (21)

Fungicide Branch

Registration Division (7505C)

Enclosure

7505C:C.Grable:cq:3/18/98



# DuPont Agricultural Products

"..... A Growing Partnership With Nature"



### SUPPLEMENTAL LABELING

BENLATE® FUNGICIDE CONTROL OF SEEDBORNE FUSARIUM ON LONG LEAF PINE SEEDS IN NC

#### BENLATE® FUNGICIDE

EPA Reg. No. 352-354

#### CONTROL OF SEEDBORNE FUSARIUM ON LONG LEAF PINE SEEDS IN NORTH CAROLINA

#### **DIRECTIONS FOR USE**

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

DuPont BENLATE Fungicide is recommended as a seed treatment for the control of seedborne Fusarium on long leaf pine in North Carolina.

#### HOW TO USE

Mix 0.66 lb Benlate in 1 gallon of water. Dip seeds in this solution for 3-9 minutes prior to sowing. The seeds should be repositioned or stirred while in the solution during the exposure time to allow for even fungicide distribution on seed coat.

Note: Seeds must be handled properly prior to seed treatment. If seed coat is damaged prior to treatment, reduction in seed germination can result. Long leaf pine seeds should not be crushed or fully de-winged prior to treatment.

#### **IMPORTANT**

BEFORE USING 'BENLATE', READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA REGISTERED LABEL.

This bulletin contains new or supplemental recommendations for use of this product which do not appear on the EPA registered package label. Follow the instructions carefully.

This bulletin must be in the possession of the user at the time of pesticide application.

ACCEPTED
with COMMENTS
In EPA Letter Dated

WWo 3.3 103e

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended. for the positivide registered under EPA Reg. No. 352 -354 D-112597

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