

05-JUN-1999

DUPONT(R)

Benlate(r)

fungicide

DIRECTIONS FOR USE - ARE ADHERED TO THE BACK OF THIS BAG

WETTABLE POWDER

FOR:

FRUIT - VEGETABLES - CANOLA - TOBACCO - CONIFERS - EDIBLE BEANS

AGRICULTURAL

READ THE LABEL AND BROCHURE BEFORE USING

GUARANTEE: Benomyl 50%

REGISTRATION NO. 11062 PEST CONTROL PRODUCTS ACT

PRECAUTION: **Keep out of reach of children.** MAY IRRITATE EYES, NOSE, THROAT AND SKIN. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, and clothing. Keep away from fire or sparks. Wear protective clothing such as coveralls, goggles or face shield, and suitable chemical resistant gloves during mixing and loading.

IMPORTANT--Never allow BENLATE(R) to become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of BENLATE(R) as a fungicide.

DUPONT CANADA INC.
AGRICULTURAL PRODUCTS
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1-800-667-3925

NET CONTENTS: 1 KG

FIRST AID:

EYE CONTACT: In case of contact, immediately flush eyes with plenty of

water for at least 15 minutes. Contact a physician or poison control centre.

SKIN CONTACT: In case of contact, immediately wash skin with soap and water. Wash contaminated clothing before reuse.

INGESTION: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult physician if necessary.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Contact a physician or poison control centre.

DIRECTIONS FOR USE

DuPont BENLATE Fungicide should be used only in accordance with recommendations on this label, or in separate DuPont Agricultural Bulletins.

BENLATE is a systemic fungicide recommended for the control of certain diseases of canola, fruit, vegetables, tobacco, mushrooms, and conifers. It is highly effective for control of many fungus diseases, providing good residual protective action.

Except where noted on this label, always use BENLATE tank mixed with other suitable fungicides such as DuPont MANZATE(R) 200 Fungicide or as indicated. APPLY MIXTURES THE SAME DAY. DO NOT LEAVE OVERNIGHT.

If treatment is not effective following use of BENLATE as recommended, a resistant strain of the fungus may be present. If treatment is ineffective due to the presence of a BENLATE resistant strain, then neither BENLATE, nor any other benzimidazole or thiophanate type fungicide will effectively control that disease; consideration should be given to prompt use of other types of suitable fungicides.

The repeated exclusive use of BENLATE may lead to a buildup of resistant strains of fungi and loss of disease control. A treatment program using other fungicides may delay resistant strain buildup. Consult your provincial extension specialist for recommendations or guidance on your particular crop and disease control situation.

Note: Do not tank mix or alternate BENLATE with thiophanate products such as Easout(R).

Do not use alkaline pesticides such as basic copper sulfate, Bordeaux mixture or lime sulphur as a tank mix with BENLATE.

MIXING INSTRUCTIONS

1. Wear protective clothing such as coveralls, goggles or face shield, and suitable chemical resistant gloves during mixing and

loading.

2. Fill spray tank half full with clean water and engage agitation. Use sufficient volume of water to provide thorough coverage.
3. Add the required amount of BENLATE to the spray tank. USE 500 g BENLATE PER 1000 L WATER UNLESS OTHERWISE SPECIFIED. For small quantities, 5 g BENLATE per 10 L water is equivalent to 500 g per 1000 L. Continuous agitation is required to keep material in suspension.
4. If tank mixing with MANZATE or another fungicide, add the required amount to the spray tank while maintaining agitation.
5. Complete the filling of the spray tank with water. Apply the mixture the same day. Do not leave overnight.

Do not make more than two applications per crop unless otherwise specified.

Do not make drench treatments or chemigation applications.

Not for use on hydroponically grown greenhouse tomatoes.

CROP	DISEASE	RATE	USE INSTRUCTIONS
APPLES CRABAPPLES	Scab, Sooty Blotch Powdery Mildew, Cedar Apple Rust	Use 550 g BENLATE plus 3.25 kg MANZATE 200 per ha.	Apply tank mixtures in sufficient water to spray 1 ha. Amount of water increases with tree size and foliage density. Begin sprays at green tip to 1 cm green (tight cluster for powdery mildew) and repeat at 7 to 14 day intervals (or as needed) through cover sprays. If an application is missed, and an infection period has occurred, apply as soon as possible to deactivate scab and prevent further infection. Increase the BENLATE plus Captan or Polyram mixtures to 850 g BENLATE plus 4.0 kg Captan 50w or Polyram per ha. On varieties susceptible to powdery mildew, use 1.1 kg BENLATE per ha.
	Scab, Powdery Mildew	Use 550 g BENLATE plus 3.35 kg Polyram or Captan 50W (2.25 kg of 80W) per ha.	
	Sooty Blotch	BENLATE - Captan only (see use rate above)	
	Pin Point Scab	Use 550 g BENLATE/ha. Apply mid-August and repeat if necessary.	

May cause russetting on sensitive varieties such as Golden Delicious, Rome or Stayman apples. Do not graze treated areas or feed crop refuse to livestock. Do not apply MANZATE 200 within 30 days of harvest, or Captan or Polyram within 7 days of harvest. BENLATE may be applied up to 1 day of harvest. NOTE: See Captan compatibility statement following Peach instructions.

PEARS	Scab, Sooty Blotch	Apply 550 g BENLATE plus 3.25 kg/ha MANZATE 200	Apply as directed under Apples above.
PEACHES APRICOTS NECTARINES PLUMS	Blossom Blight, Brown Rot	Apply 850 g BENLATE plus 4.0 kg Captan 50W per ha.	For blossom blight, apply at early bloom (20% of blossoms open) and at full bloom. In B.C., apply at pink and full bloom. For Fruit Brown Rot, apply during cover sprays and just before picking. Under unusually heavy disease conditions, intervals may be shortened to 7 days. May be applied up to 2 days before harvest.
CAPTAN COMPATIBILITY STATEMENT: SPRAY INJURY MAY RESULT IF THIS FUNGICIDE IS USED IMMEDIATELY BEFORE OR CLOSELY FOLLOWING AN OIL SPRAY			
SWEET AND SOUR CHERRIES	Brown Rot, Leaf Spot	Apply 1.1 kg BENLATE plus 4.5 kg Captan 50W per ha (850 g plus 3.5 kg for Sour Cherries)	Apply just before blossom buds open and repeat at shuck through cover sprays. For Leaf Spot apply a post harvest spray. May be applied to Sour Cherries up to 5 days before harvest or to Sweet Cherries up to 2 days before harvest.

SOUR CHERRIES	Powdery Mildew	Apply BENLATE at 1.75 kg/ha.	Apply at first sign of foliage infection. A second spray 10-14 days later may be needed to control mildew on terminal growth. May be applied up to day before harvest.
CHOKECHERRY SEEDLINGS	Chokecherry Leaf Spot (Coccymces lutescens)	Apply BENLATE at 2.2 kg/ha in 565 L water/ha as a foliar application.	Make 5 applications per season. Begin when leaves first appear and repeat once every three weeks during the growing season. Apply only to first or second year seedlings.
STRAWBERRIES	Powdery Mildew, Grey Mold (Botrytis), Fruit Rots	Apply 1.1 kg BENLATE plus 6.5 kg Captan 50W per ha and repeat every 7 days.	Under favourable fruit rot conditions, continue applications up to 2 days before harvest. For after harvest Powdery Mildew control, use BENLATE alone at 1.1 kg/ha for 3 or 4 sprays at 14 day intervals commencing at first sign of disease. For Strawberries the rate may be increased to 1.75 kg/ha
RASPBERRIES BLACKBERRIES	Powdery Mildew, Grey Mold (Botrytis), Fruit Rots	Apply 1.1 kg BENLATE plus 4.0 kg Captan 50W per ha.	Use the higher rate under severe disease conditions. Do not apply within 7 days of harvest.
GRAPES	Powdery Mildew, Black Rot	Apply BENLATE in pre-bloom, post-bloom and cover sprays at 0.85 kg - 1.5 kg/ha.	

	Downy Mildew	Add 3.25 kg/ha MANZATE 200 to the spray mixture above.	Do not apply MANZATE 200 within 30 days of harvest.
ASPARAGUS	Fusarium, Rhizoctonia and Violet Root Rot of Asparagus Crowns	Mix 2 g BENLATE per litre of water.	Dip 3000 crowns in 100 L solution for 15-20 minutes before planting.
CANOLA (RAPESEED)	Sclerotinia Stem Rot	Apply BENLATE at 0.75, 1.0-1.5 kg/ha. Use the higher rates for application after 30% bloom, or under severe or prolonged disease conditions (i.e. heavy crop canopy, high humidity, and/or excessive soil moisture).	BENLATE may be applied up to the 50% bloom stage. Optimal protection is from 20-30% bloom stage, which is before first petals begin to fall and when there is maximum number of petals and buds which can be covered with the spray application.
			GROUND APPLICATION: Apply BENLATE in minimum 80-100 L water per ha with a high clearance boom. Hollow cone nozzles or disc core cone nozzle tips provide small droplets capable of uniform coverage of plant surfaces.
			AERIAL APPLICATION: Apply BENLATE via properly calibrated aerial equipment using a minimum of 40 L of water per ha.

CARROTS (CANNING)	White Mold (Sclerotinia)	Apply BENLATE at 0.25-1.1 kg/ha in sufficient water (1000 L/ha) to obtain thorough coverage.	Begin applications when disease first appears and repeat at 7-10 day intervals. Under severe disease conditions, use the higher rate and shorter interval. Do not apply more than 3 times per crop. Do not apply within 15 days of harvest.
FIELD CUCUMBERS MELONS SQUASH PUMPKINS	Powdery Mildew, Anthracnose, Alternaria Leaf Spot, Downy Mildew, Gummy Stem Blight, Scab	Apply 550-850 g BENLATE plus 2.25-3.25 kg MANZATE 200 in 500-1000 L water per ha.	Begin when disease first appears and repeat at 7-14 day intervals as needed. Do not apply more than 3 times per crop. For severe disease pressure on susceptible varieties, use the higher rate on a 7 day schedule. Do not apply within 14 days of harvest.
GREENHOUSE CUCUMBERS	Gummy stem blight, Powdery Mildew	Apply 550-850 g BENLATE plus 2.25-3.25 kg MANZATE 200 in 500-1000 L water per ha.	Begin when disease first appears and repeat in 7-14 days if needed. Do not apply within 14 days of harvest.

<p>DRY (WHITE) AND SNAP COMMON BEANS</p>	<p>White mold (Sclerotinia), Grey Mold (Botrytis)</p>	<p>Apply BENLATE at 1.75-2.25 kg/ha.</p>	<p>Apply between 25%- 50% bloom with enough water to obtain thorough coverage. Under severe disease conditions, use the high rate. Use BENLATE as a protectant treatment following a program to monitor potential infection periods. In narrow-row beans or where foliage prevents thorough penetration of BENLATE to the stems only partial control of white mold may result. Do not apply within 14 days of harvest. Do not graze or feed treated bean hay to livestock.</p>
<p>LIMA BEANS</p>	<p>White Mold</p>		
<p>DILL</p>	<p>Phoma Blight</p>	<p>Apply 1.1 kg BENLATE per ha.</p>	<p>Apply at first bloom, and two weeks after bloom.</p>

FIELD TOMATOES	Septoria Leaf Spot	Apply 840 g/ha BENLATE when disease first appears. Repeat 4-13 days later.	Use the shorter spray interval when weather conditions favour disease development and spread. Do not apply BENLATE nor BENLATE/MANZATE mixtures within 7 days of harvest. Do not make more than 2 applications of BENLATE or BENLATE/MANZATE mixtures per crop.
	Early Blight Anthracnose	Apply 840 g/ha BENLATE plus 1.75-3.25 kg/ha of MANZATE 200.	
GREENHOUSE TOMATOES	Leaf Mold (Cladosporium), Botrytis Stem Rot (Grey Mold)	Apply 1.1 kg BENLATE plus 2.25 kg/ha MANZATE 200.	Apply every 7-12 days to keep new growth protected. Spray to runoff at first infection. For Botrytis control, start sprays 10-15 days after transplanting. Do not apply within 7 days of harvest. Do not make more than 2 applications per crop.
MUSHROOMS	Wet Bubble, Dry Bubble	Use 60 g per 100 sq. m. in 140 L water after casing.	A second application may be made up to first pinning. Do not apply within 2 days of harvest.

<p>TOBACCO SEEDLINGS</p>	<p>Damping Off (Rhizoctonia)</p>	<p>Mix 125 g BENLATE in 230-320 L water per 100 sq. m. of seedbed area.</p>	<p>Apply at first sign of disease. Repeat if necessary in 10-14 days. Do not make more than 2 applications per crop.</p>
<p>SPRUCE, BALSAM FIR (Forestry stock only)</p>	<p>Snow Blights (L. hyperboreum, P. albietis)</p>	<p>Apply 2-3 kg BENLATE in 1000 L water per ha during the last week in September.</p>	<p>Do not apply to ornamental trees or seedlings. For ground application on areas under 500 ha only. Treatment will control L. hyperboreum on Norway, black, red and white Spruce, and P. albietis on Balsam Fir. Treat young stock in nurseries, plantations, and natural regeneration areas. Do not apply more than 2 times per year.</p>
<p>CEDAR (THUJA SP.) (Forestry stock only)</p>	<p>Snow Blight (Phacidium albietis)</p>	<p>Apply 3.0 kg BENLATE in 1000 L water per ha during the last week of September.</p>	<p>Do not apply to trees or seedlings grown for ornamental purposes. For ground application on areas under 500 ha only. Treat young stock in nurseries, plantations and natural regeneration areas. Do not apply more than 2 times per year.</p>

AUSTRIAN PINE RED PINE	Diplodia Tip Blight	Use 100 g BENLATE per 100 L water.	Apply by ground using a high pressure sprayer on susceptible trees. Apply at first bud burst, wait 2 weeks before next application. Make a maximum of 3 applications per year. Not for use on ornamental trees or ornamental nurseries.
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NOTICE TO BUYER/USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the use described below were developed by persons other than DuPont Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. DuPont Canada Inc. itself makes no representation or warranty with respect to product performance (efficacy) and crop tolerance (phytotoxicity) of this product when used on the crop listed. Accordingly, the Buyer and User assume all liability arising, and agree to hold DuPont Canada Inc. harmless from any claims based on efficacy or phytotoxicity in connection with this use.

CROP	DISEASE	RATE	USE INSTRUCTIONS
Mushrooms	Green mold	Mix 0.5 g BENLATE with 22 g gypsum per 1 kg spawn.	Apply at spawning. Do not apply within 30 days to harvest.
Alfalfa grown for seed	Sclerotinia and Botrytis	Apply BENLATE at 1.5 kg/ha.	Apply at early bloom through to full bloom. Do not make more than 2 applications per year. DO NOT GRAZE OR FEED TREATED HAY TO LIVESTOCK.

STORAGE AND DISPOSAL

STORAGE:

Store product in original container only, away from fertilizer, food, or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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