Reg # 352 - 341

PM-21

United States Environmental Protection Agency Washington, D.C. 20460

> Office of Prevention, Pesticides and Toxic Substances

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OCT 15 1993

Mary Lou Hawkins E. I. DU PONT DE NEMOURS AND CO, INC. BARLEY MILL PLAZA, WALKER'S MILL WILMINGTON DE 19880

Subject: Label Amendment Submission of 06/23/93 in Compliance with WPS Labeling Requirements BPA Reg No. 352-341 DU PONT MANZATE 200 FUNGICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)

Office of Pesticide Programs (H-7504C) U.S. Environmental Protection Agency 401 M Street SW Washington, DC 20460-0001

Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL) Room 266A Crystal Mall 2 1921 Jefferson Davis Highway Arlington, VA 22202

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

incerely les Tompkins, Deputy Chief Registration Support Branch Registration Division (7505W)

E. I. DU PONT DE NEMOURS AND CO, INC. DU PONT MANZATE 200 FUNGICIDE 352-341 06/23/93 Original Submission

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Delete the following paragraph from the engineering control section: "The [closed systems or enclosed cabs] must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6).] The handler PPE requirements may be reduced or modified as specified in the WPS."

	ACCEPTED	ATE® 200
	vite COMMENTS In RPA Letter Dated OCT 5 1993	FUNGICIDE
ACTIVE INGREDIENT	Under the Foderal Interticide, Fumiloide, and Reducticide Act as amended, for the passicide regimered abolar EPA Rog. No.	WETTABLE POWDER BY WEIGHT
A coordination product of	352-34/	60 4
÷ .	arbamate in which the ingredients are:	
-		
Ethylene bisdithiocarbamate ion (C4H6	5N2S4)	
	•••••	
This product contains the toxic inert ingredi	ent paraformaldehyde.	TOTAL 100%

EPA Reg No. 352-341

KEEP OUT OF REACH OF CHILDREN

CAUTION



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! MAY IRRITATE EYES, NOSE, THROAT AND SKIN. MAY BE HARMFUL IF ABSORBED THROUGH SKIN, INHALED OR SWALLOWED. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing. Keep away from fire or sparks.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLGWED: Dilute by giving two glasses of water to drink and call a physician. Never give anything by m = 10.0 an unconscious person. IF INHALED: Move subject to fresh air. Consult a physician.

IF IN EYES: Flush eyes with large amounts of water for at least 15 minutes. Consult a physician if innution persists.

IF ON SKIN: Wash affected skin areas with soap and water. Consult a physician if irritation persists.

For medical emergencies involving this product, call toll free 1-808-441-3637.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers (other than mixers and loaders) must wear:

Coveralls over long-sleeve shirt and long pants. Waterproof gloves. Shoes plus socks.

Mixers and Loaders must wear:

Coveralls over long-sleeve shirt and long pants. Waterproof gloves. Shoes plus socks. Protective eyewear. Chemical-resistant apron when mixing or loading.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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 is indry.

During aerial application, human flaggers must be in enclosed cabs.

ENGINEERING CONTROL STATEMENTS

When handlers use 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 pesticilies [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 personal protective equipment 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 product is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or incorporate spilled treated seed. Do not contaminate water by disposing of equipment washwaters.

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 over long-sleeve shirt and long pants. Waterproof gloves. Shoes plus socks.

"Manzate" 200 should be used only in accordance with recommendations on this folder or in separate published Du Pont recommendations available through local dealers.

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

"Manzate" 200, a wettable powder containing mancozeb, is recommended for use as a spray for the control of many important plant diseases.

APPLICATION INSTRUCTIONS

AS A SPRAY (Ground or Aerial Equipment)—Apply "Manzate" 200 at the rate shown; use sufficient water to provide thorough coverage, use 20 to 100 gals per acre for ground equipment and no less than 2 gals per acre for aircraft. Add "Manzate" 200 slowly to water in the spray tank with agitation, or premix thoroughly in separate holding tank for concentrate or aircraft sprayers. Continuous agitation is required to keep the product in suspension. Add a spreader-sticker spray adjuvant if needed.

CHEMIGATION

Apply "Manzate" 200 Fungicide only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move irrigation systems only on crops specifically designated in the "Directions For Use" for that particular crop. Do not apply "Manzate" 200 through any other type of irrigation system or on any other crops.

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.

Specific Instructions for Public Water Systems:

- 1. 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.
- 2. 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.
- 3. 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 where 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.
- 7. Do not apply when wind speed favors drift beyond the area intended for treatment.



Specific Instructions for Sprinkler Irrigation Systems:

- 1. 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 value to prevent the flow of fluid back tow ard 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.
- 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5. 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.
- 7. 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 "Manzate" 200 as a continuous injection. In nonmoving systems inject "Manzate" 200 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 "Manzate" 200 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.
- Stop injection equipment after treatment is completed and continue to operate irrigation equipment until all "Manzate" 200 is flushed from system.

RECOMMENDED USES (When this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing season)

CROP	DISEASES CONTROLLED	RATE OF MANZATE 200 PER APPLICATION LBS/ACRE	TIMING/INTERVALS (Also refer to Directions for Use)	RESTRICTIONS/COMMENTS
Apples				······································
(See Pomefruit)				
Asparagus	Cercospora leaf spot	2	Start applications when rust first appears and repeat at 10 day intervals. Four applications are	Apply only on asparagus ferns after spears have been harvested.
	Rust usually sufficient.	Do not apply within 180 days of harvest in all states except CA ant! AZ (120 days).		
				Do not apply more than 8 lbs (6.4 lbs active) per acre per season.
Asparagus Crown (planting stock)	Crown rot	1 lb per 100 gals	Dip clean, loosely packed crowns into continuously agitated tungicide suspension for 5 minutes.	Wash dirty crowns before dip treatment. Replace suspension in clean tank when discolored by soil.
			Drain and plant as soon as possible.	
Bananas	Sigatoka	2 to 3	Apply when leaves first appear and repeat every 14 to 21 days or as required. Use sufficient water to provide adequate coverage.	Dr) not apply more than 30 ibs (24 lbs active) per acre per growing cycle. Minimum preharvest interval
			The addition of a surfactant to spray solutions will improve performance.	(O days).
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RECOMMENDED USES (When this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing season)

CROP	DISEASES CONTROLLED	RATE OF MANZATE 200 PER APPLICATION LBS/ACRE	TIMING/INTERVALS (Also refer to Directions for Use)	RESTRICTIONS/COMMENTS
Barley, Oats, Rye, Wheat	Helminthosporium leaf spot Leaf rust Septoria glume blotch Septoria leaf spot Tan spot	2	Start application at onset of disease or when plants are in the tillering to jointing stage and repeat at 7 to 10 day intervals. The addition of a surfactant to spray solutions will improve performance.	Do not make more than three applications during the season. Do not apply more than 6 lbs (4.8 lbs active) per acre per crop. Do not apply within 26 days of harvest. Do not graze livestock in treated areas prior to harvest.
Caprifig (Non-food use)	Endosepsis (Fusarium) Mold	4 lbs/100 gais	Prepare mamme figs by making a shallow cut through the eye and then hand dividing to avoid wasp injury. Submerge mamme figs in the continuously agitated suspension for at least 15 minutes. Drain before placement in trees.	Use fresh dipping suspension after treating 4 to 5 batches of figs.
Com (sweet com, popcom and sweet com for hybrid seed production), (field and field com for hybrid seed production)	Common rust Helminthosporium leaf blight	1 1/2	Use sufficient water for thorough coverage. Start applications when disease first appears and repeat at 4 to 7 day intervals. The addition of a surfactant to spray solutions will improve performance.	Do not apply within 7 days of harvest. Do not apply more than 22.5 lbs (18 lbs active) per acre per crop east of Mississippi and AR and LA. Do not apply more than 7.5 lbs (6 lbs active) per acre per crop west of the Mississippi except AR and LA. Do not feed treated forage to livestock. Do not apply within 40 days of harvest. Do not apply more than 15 lbs (12 lbs active) per acre per crop.
Cotton (Southwest only)	Rust	1 1/4 to 2	Begin when rust first appears in the area. Repeat at 10 to 14 day intervals.	Do not feed treated forage to livestock. Do not apply after bolls open. Do not apply more than 8 lbs(6.4 lbs active) per acre per crop. Do not apply within 45 days of harvest. Do not feed treated forage to livestock. Do not graze livestock in treated areas. Do not feed gin trash to livestock.

RECOMMENDED USES (When this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing season)

CROP	DIGEASES CONTROLLED	RATE OF MANZATE 200 PER APPLICATION LBS/ACRE	TIMING/INTERVALS (Also refer to Directions for Use)	RESTRICTIONS/COMMENTS
Cranberries	Fruit rot	3 10 6	Start applications at mid-bloom and repeat at 7 to 10 day intervals.	Do not apply within 30 days of harvest. Do not apply more than 18 lbs (14.4 lbs active) per acre per season.
Cucumbers	Anthracnose Cercospora leaf spot Downy mildew Gummy stem blight Scab	2 to 3	Start applications when plants are in the two-leaf stage and repeat at 7 to 10 day intervals. Use sufficient water and direct spray to provide thorough coverage of both upper and lower leaf surfaces.	Do not apply within 5 days of harvest. Do not apply more than 24 lbs (19.2 lbs active) per acre per crop.
Fennel	Early & late blights	2	Begin in plant beds at emergence. Repeat at 7 to 10 day intervals.	Do not apply within 14 days of harvest. Do not apply more than 16 lbs (12.8 lbs active) per acre per crop. Do not graze treated area to livestock.
Grapes (East of the Rocky Mountains)	Black rot Bunch rot Deadarm Downy mildew	1 1/2 to 4	Apply in sufficient water to provide thorough coverage starting when new shoots are 1/2 to 1 1/2 inches long. Repeat when shoots are 3 to 5 inches long, when shoots are 8 to 10 inches long, and then at 7 to 10 day intervals until fruit is set. For late season control of black rot, deadarm and downy mildew the use of other approved and recommended fungicides is suggested.	Do not apply within 66 days of harvest. Do not apply more than 24 lbs (19.2 lbs active) per acre per season.
(West of the Rocky Mountains)		1 1/2 to 2 1/2		Do not apply within 66 days of harvest except in CA where no application can be made after bloom. Do not apply more than 7.5 lbs (6 lbs active) per acre per season.

RECOMMENDED USES (When this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing sesson)

CROP	DISEASES CONTROLLED	RATE OF MANZATE 200 PER APPLICATION LBS/ACRE	TIMING/INTERVALS (Also refer to Directions for Use)	RESTRICTIONS/COMMENTS
Melons Cantaloupes Casaba Crenshaw Honeydew Watermelon	Alternaria leaf spot Anthracnose Downy mildew Gummy stem blight Cercospora leaf spot	2 to 3	Start applications when plants are in the two-leaf stage and repeat at 7 to 10 day intervals. Use sufficient water and direct spray to provide thorough coverage of both upper and kower leaf surfaces. Some varieties are sensitive to Manzate 200 fungicide. Consult State Cooperative Extension Service Specialist prior to use.	Do not apply within 5 days of harvest. Do not apply more than 24 lbs (19.2 lbs active) per acre per crop.
Oats (See barley)				
Onions (dry bułb)	Botrytis leaf blight Downy mildew Neck rot Purple blotch	3	Follow a protective spray schedule starting when diseases are first reported in the areas and repeat at 7 day intervals throughout the season. The addition of a surfactant to spray solutions will improve performance.	Do not apply within 7 days of harvest. Do not apply to exposed bulbs. Do not apply more than 30 lbs (24 lbs active) per acre per crop.
(furrow drench)	Smut		Apply 3 lbs per acre as a furrow drench at time of planting onion seeds. Use 75 to 125 gallons of water per acre.	Do not use more than 2.4 lbs active per acre (?9,000 linear feet of furrow) with an 18 inch row spacing.
Рарауа	Anthracnose (Colletotricum) Phytophthora fruit rot Black spot (Cercospora)	2 to 2.5 (minimum 50 gals per acre)	Begin at flowering; treat central column crown, blossom area and developing fruit. Repeat at 14 to 21 day intervals.	Do not use more than 35 lbs (28 lbs active) per acre per crop. Minimum pre-harvest interval (0 days).
Peanuts	Cercospora leaf spot Rust	1 to 2	Start application when disease first appears or is reported in area. Repeat sprays at 7 to 14 day intervals. Reduce sprays to a 7 day interval during humid weather.	Do not apply within 14 days of harvest. Do not use more than 16 lbs (12.8 lbs active) per acre per crop. Do not feed treated vines to livestock.
Peanuts (T ank mix with "Benlate" Fungicide)	Ascochyta web blotch Cercospora leaf spot Rust	1 1/2 plus 4 ozs "Benlate"	Begin 35 to 40 days after planting or when disease threatens. Repeat at 7 to 14 day intervals (7 to 10 days for rust).	Do not apply within 14 days of harvest. Do not use more than 12 lbs Manzate 200 (9.6 lbs active) per acre per crop. Do not feed treated vines to livestock.
Pears (See Pometruit)				

RECOMMENDED USES (When this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing sesson)

CROP Pineapple (Seed-Piece Treatment Only)	DISEASES CONTROLLED Phytophthora heart rot	RATE OF MANZATE 200 PER APPLICATION BS/ACRE 3.2 lbs/10 gals Use up to 100 gals of suspension to treat clean propagation material for one acre.	TIMING/INTERVALS (Also refer to Directions for Use) Dip planting material in fungicide suspension prior to planting. Stir frequently to prevent settling.	RESTRICTIONS/COMMENTS Prepare new suspension when 2/3 of volume is used or sconer if noticeably discolored by soil from plant material.
Pomefruits Apples Pears Crabapples Quince	Rusts Scab Fabrea leaf spot	6.0 Maximum per acre use rate based on thorough coverage dilute sprays. Use 2 lbs per 100 gal, up to 300 gal per acre Consult State Extension Service if necessary to adjust for variable tree size. 3.0	Pre-Bloom Use: Begin application at 1/4 to 1/2 inch green tip and continue on a 7 to 10 day schedule through bloom. Use either the "Pre-Bloom" or "Extended Application" schedule. DO NOT COMBINE OR INTEGRATE THE TWO TREATMENT SCHEDULES	Do not apply more than 6 lbs (4.8 lbs active) per acre per application. Do not apply after bloom. Do not apply more than 24 lbs (19.2 lbs active) per acre per year. Do not graze livestock in treated areas. It is recommended that this product be used in an Integrated Pest Management Program.
Apples Pears Crabapples Quince	Scab [•] Fabrea leaf spot	Maximum per acre use rate based on thorough coverage dilute sprays. Use 1 lb per 100 gal, up to 300 gal per acre Consult State Extension Service if necessary to adjust for variable tree size.	or for Use I: Tank Mixtures: For implementation of IPM programs, applications based on tree-row volume, or for use as a resistance management tool; begin applications at 1/4 to 1/2 inch green tip and continue applications on a 7 to 10 day schedule through the second cover spray. Use either the "Pre-Bloom" or "Extended Application" schedule. DO NOT COMBINE OR INTEGRATE THE TWO TREATMENT SCHEDULES	bo not apply more than 3 ibs (2.4 ibs active) per acre per application. Do not apply within 77 days of harvest. Do not apply more than 21 ibs (16.8 ibs active) per acre per year. Do not graze livestock in treated areas. It is recommended that this product be used in an Integrated Pest Management Program

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RECOMMENDED USES (when this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing season)

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CROP	DISEASES CONTROLLED	RATE OF MANZATE 200 PER APPLICATION LBS/ACRE	TIMING/INTERVALS (Also refer to Directions for Use)	RESTRICTIONS/COMMENTS
Potatoes	Early blight Late blight	1 to 2	Begin applications when plants are 4 to 6 inches high by applying 1 lb per acre. As the vines increase in size, apply 1 1/2 to 2 lbs per acre at intervals of 5 to 10 days. The addition of a surfactant to spray solutions will improve performance.	Do not apply more than 14 lbs (11.2 lbs active) per acre per crop. Do not use within 3 days of harvest in CT, DE, FL, MA, ME, MI, NH, NY, OH, PA, RI, VT, WI and within 14 days elsewhere. Vine-kill should occur 14 days before harvest. It is recommended that this product be used in an Integrated Pest Management Program.
Seedpiece (treatment)	Fusarium decay Seedborne common scab	1 1/4 per 50 gal	Dip whole or cut potato tubers in 1 1/4 lbs Manzate 200 fungicide per 50 gallons of water. Place treated tubers in a clean container following treatment and plant as soon as possible. Spread treated seedpieces in a cool place if held before planting.	Do not use treated seed potatoes for food or feed purposes.
Squash (Summer squash)	Downy mildew	2 to 3	Start applications when plants are in the two-leaf stage and repeat at 7 to 10 day intervals. Use sufficient water and direct spray to provide thorough coverage of both upper and lower leaf surfaces.	Do not apply within 5 days of harvest. Do not apply more than 24 lbs (19.2 lbs active) per acre per crop.
Sugar Beets	Cercoispora leaf spot	1 1/2 to 2	Begin when disease first threatens. Repeat at 7 to 10 day intervals.	Do not apply within 14 days of harvest. Do not apply more than 14 lbs. (11.2 lbs active) per acre per crop. Do not feed treated sugar beet tops to livestock.
Tomatoes (East of the Mississippi River)	Anthracnose Early blight Gray leaf spot Late blight Leaf mold Septoria leaf spot	1 1/2 to 3	Start application when seedlings emerge or transplants are set and repeat at 7 to 10 day intervals throughout the season. The addition of a surfactant to spray solutions will improve performance.	Do not apply within 5 days of harvest. Do not apply more than 21 lbs (16.8 lbs active) per acre per crop.
(West of the Mississippi River)		1 1,2 to 2		Do not apply within 5 days of harvest. Do not apply more than 8 lbs (6.4 lbs active) per acre per crop.
Watermelon (See Melons)				
Wheat (See Barley)				

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RECOMMENDED USES (When this product is used on a crop, no other product containing a different EBDC active ingre-

FLOWERS, FOLIAGE PLANTS, AND ORNAMENTALS NOT INTENDED FOR USE ON FRUIT TREES BY HOMEOWNERS. TREATED PLANTS MUST NOT BE USED FOR FOOD OR FEED PURPOSES.

Apply in the field, nursery or greenhouse as a thorough coverage spray, using 1 to 2 lbs "Manzate" 200 per 100 gals of water (1-1/2 to 3 tsp per gal). For hard-to-wet plants, add a suitable wetting agent. Begin applications when new growth starts or when disease first threatens and continue at 7 to 10 day intervals between applications. Use higher rate and shorter intervals during periods of excessive wetness and rapid plant growth.

Du Pont "Manzate" 200 is recommended for use on certain flower, follage and ornamental plants listed in the table below for control of the following diseases and pathogens:

Alternaria-leaf spots and flows: slights *Anthracnose—Colletotrichum or L'Isinoe or Glososporium or Glomerella. or Gnomonia Aschochvia Blackapot of rose or elm Sight-Phytophthora Bister-Taphrine bur cepheerie Botry & blights, gray mold Brown rot of Prunus spp.--Monlinia Cephelosporium Carcospora *Collectorichum *Conneum Cunedana Cylindrocladium

Cylindrosporium *Dectylana Dicymetine Diplocarpon Downy mildews-Plesmopera or Peronoscora *Elsince *Entomotiporium Fabrase Flower blights Fusarium Fusiciarium 'Glossoonum 'Goomooia Grav mold-Bolintia Gugnarda

'Gymnosporangium Leespos "Lepicepheere Lophodennium Macrophome "Melampaora 'Melançaondum Monorheatie Myccopheerelle "Pentalche Phomopels-Phragmidium *Phyliosticia Phylophihora Page donacina Pucona Ramulana

Rhizoclonis "Rhytiame "Rusta-Gymnosporangum, Malampsora, Malampa...k.ium, Phragmidium, Puccinia, Uromyces "Scab-Futiclacium or Venturia or Sphacelome Scimba "Septonia "Septonia "Stothole-Coryneum "Spharropsis Stemphylium

LATIN NAME

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*denotes leaf spots

Tanhona

ORNAMENTALS FOR WHICH "MANZATE" 200 IS RECOMMENDED

COMMON NAME

Aircan voiel

Almend Andromedia, Mou Andromedia, Mou Andromedia Andromedia Ash, Mourteen Ash, Mourteen Ash, Mourteen Asha Asha Babya Breath Biothood

Buchaye Burhato Berry Canatian Cartation Cotay, Red Chrysanthamum Carthyime Colloneaster

Crategore

Creton

Cyprus, Anzena Dahla Dalay, Transvall Defundachia Dogwood

Dracaena

Durin Miller Etri Americal Etri Ohnese Evonymus Fam

Santoavia onentha Agleoneme co Prunus amygdalus Prens Ronbunda Anthurum sco. Thuja occide Ovysaktocar luke Fraxmus spp. Surbus spp. Calleseptus chinensis Rhododandron spp. Gypeophie pancy Begonie sep. Bekvie pencivie Busine microphylle Busid semicerwork Associals spp. Shorpordia arganisa Camello japonica Denthus caryophylik Jungerus wromana Zygocachis truncalius Chrysanthemum spp. Dracasma spp. Collegender denn cale Call neaster henzontalis perpusite Maha menes Crassule argenies Codecum vargetum Codeeum puncturum Area in Cypressive spp. Dehie spp. Gartera sep. **Deletache pole** Comes among Comes Planta Contract recommenda Corne series Convis statutions Dracaena menginata **Dracaene sanderiene** Centerine cherane Umis americana Linus canaloia Euonymus japonica Neovoleous esatura Polysichum adansforme

Plank ensilorms

LATIN NAME

COMMON NAME

Ficus Fir, Douglas Fir, Noble Freshon Fatana Garanium Gladous Galdous Galdous Galdous Galdous Hampone Hampone Hampone Hally, Japanse Hally, Japanse Hally Hally, Japanse Hallyock

Lovel, Mourtain Lovender Collon Lity Lity, Easter

Junger

Magnalia Magnalia Magna Magna Magna, Ragar Magna, Sugar Naphalyas Cash

Constitus Paray Paony Paperama Peruna Petuna Photentro Photentro Photentro Photentro Photentro Photentro Photentro LATIN NAME Ficial benamina Ficus pumile Pseudotsuce menziese Abes procera Pyraciantha cocon Fame argyroneura Palargonium In Gladicius sop. an horizon Aucube jeponica Gypeophile pericu Crateegue spp Sanagradina Inf iles spp. iles cernula lles crenata Although roses Alone sop. Annalis honorationet ins spp. Henders helic Junperus chinensis Junperus horizontal 204 nosa Junperus sebina Kaima labita Serialize changes can Lilvin spp. Lihum longitorum Linipe muecon Chryspielocar lute Magnatia statiata Mahama narvosa Acer sep. Acer releven Acer seconerum Vib. -Naphiliyin aleri Quercus bereals Outrout rubrum Output where Comprehes heterophy Vals spp. Pasana 300. Paparoma 308 Vinca sop Petuna hybrida Philder dran suc Phone trasen Tomes menzes Pers soo

COMMON NAME Pine Pine, Nortolk Iek Pine, White Piliceporum Pane Tree Prayer Pla Pronyces Pe Phine Pueso Pyracia Netwood layed Redoclandron Road Sand Chany Seri Schellen Secure, Gent (seedings)

Sapotagons Sapotagons Spinclevee, Winged Spince, Aberts (dwerf) Spince, Rogelmann Spince, Horney Spince, Japanese Statice Itrantitiver Sumar, Shunkbush Sycomore Symponen Vehiot plant Vehiot plant Vehiot plant Vehiot plant

Wahud Wahud, Black Willow Yutca Zebra plant

Zima

Pies son. Anacaciana Prive strobus Pillosponum tobra Platenus acodenta Euphorbie pulche Maranta karcho Phillula spp. Liguation spp Leucosos 006 Prunus spp. Sale babylonica Pyracanina wa Sequoia sempervirons Mododendron spp. Rosa soo. Prones cistena Santoina sop. Schefflera arboncola Schellers actin Sequoia ggente Exercitives allows Pices glauca conica Pices engelmenne Pices ables Pachysanera 10 LINONUS SING Helichrysum brack **Rhus misbata** Petervs sep Syngonum pote Gynura spp. Denese muscip Verbens spp VOLTURE de Viburbullt double Jugiana spp. Jugiana nora Salim spp Yucca elephanisp

Salix sop Yucca elephanispes Yucca Hamenlosa Aphelandra squarrosa Zinnia elegans

* Do not exceed 1.1/2/bs/100 gallons ** Do not exceed 3/4 to/100 gallon hower solves

RECOMMENDED USES (When this product is used on a crop, no other product containing a different EBDC active lingh dient may be used on the same crop during the same growing season)

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CROP	DISEASE/ PEST	RATE	TIMING Interval	LAST APPLICATION TO HARVEST	LIVESTOCK GRAZING/ FEEDING	COMMENTS
Sod Farms	Algen	6 czs in 3 to 5 gdb/1000 sq R (16 lbs in 130-220 gdb/scro).	Begin when algee first appears. Report at 7-day intervals as long as condition periods.		Do not graze inveloci areas or feed clippings to lineatick.	Do not use on grazees grown for seed.
	Laati sharn, shiip nast	3-4 cas in 3 to 5 gab/1000 sq R (8-11 lbs in 130- 220 gab/toxe).	Begin when desease Breature. Report at 7 to 18-day internals as long as desease perside.		Do not graze treated areas or feed clippings to livestock.	Do not use on grasses intended for grazing, such as range or pathire grasses.
	Lasi spot #Isimintosporium spp.) Phasactoria sciarri brown patch	3-4 ccs in 3 to 5 gab/3000 sq R- (8-11 ibs in 130- 220 gab/acre)	Bagin uhan disease Besalaris.		Do not graze treated areas or lead clippings to Breakock.	When conditions at a unusually inversable for disease, use 6-8 cash000 an it (16-22bs/acre) and reduce intervals to 3 to 5 days.

TURF GRASSES - Applications restricted to lawn grasses by professional applicators. Not for homeowner use.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Seed trearments and professional applications to lawn grasses, golf courses, industrial (office park), municipal and residential lawns are not within the scope of the Worker Protection Standard.

Do not enter treated areas without protective clothing until sprays have dried.

RECOMMENDED USES (When this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing season) SEED TREATMENTS -

LABEL TREATED SEED "Do not use for food, feed or oil purposes. This seed treated with 'Manzate' 200 Fungicide."

For seed treatment, a dye must be added to the treating slurry so that an unnatural color will distinguish the seed as treated.

CROP	DISEASES	SEED TREATMENT RATE APPLY AS A SLURRY OED/Bu	Cas/100 lb	
Berley	Bunt, Covered smut, Damping-off, Fake loose smut, Seed decay,			
	Seeding blights	1.3 to 2.0	2.7 10 4.2	
Com	Damping off, seed rol, seeding blight	1.5 to 3.0	2.7 to 5.4	
Cotion Acid Delinted	Demping-off, Seeding blights		3	
Cotion Reginned	Damping-off, Seeding blights	-	6	
Flax	Seed decay, Seeding bights, Demping-off	2.0 to 4.0	3.6 to 7.1	
Oata	Demping-off, Seedling blighte, Seed decay, Smuls	1.3 10 2.0	4.0 10 8.3	
Peenuts (shelled)	Demping-off, Seed role, Seedling blights	20104.0	8.0 to 16.0	
Nce	Achiye, other soil and seedborne lungs clusting seed rot and reduced seedling vigor.	-	2.0 to 4.0 Apply before, during, or after soaking in water.	
Rye	Bunt, Covered smut, Damping-oll, Seed decay. Seedling blights	1.3 to 2.0	2.3 10 3.6	
Selflower	Puccine carthami (which causes loot-and-rot disease and tolege rust disease)	_	2.0	
Sorghum	Covered kernel smut, Damping-off, Seedling blights, Seed rots	1.5 10 2.5	2.7 to 4.5	
Tomeloes	Damping-olf, Seeding bights, Seed rots		20	
Wheel	Bunt, Covered smut, Damping-off, Seed decay, Seeding bights	1.3 10 2.0	22103.3	

CROP	DISEASE/ PEST	RATE	TIMNG INTERVAL	LAST APPLICATION TO HARVEST	LIVESTOCK GRAZING/ FEEDING	COMMENTS
Lawn grasses Gall Courses, Prelessionel Application to incluariel (office part), muncipal, and residential lawns	Algee	6 ags in 3 to 5 gab/1000 sq ft (16 lbs in 130-220 gab/scre).	Begin when algee first appears. Repetit at 7-day intervals at long as condition persists.		Do not graze treated areas or feed clippings to livestack.	Do not use an grasses grawh far seed.
	Lasi shim, ship nat	3-4 ccs in 3 to 5 gale/1000 sq R (8-11 lbs in 130- 220 gale/acre).	Begin when disease threatens. Report at 7 to 10-day intervals as long as disease periods.		Do not graze treated areas or feed clippings to livescock.	Do not use on grasses intended for grazing, such as range or pashare gratees.
	Last spot (Helmmthosponum spp.) Reizoclonis solani brown patch	3-4 czs in 3 to 5 gmb/1000 sq 8- (6-11 Dz in 136- 220 gmb/acre)	Bagin when disease dreaters. Tens and greans: Repart at 7 to 10- day intervals. Fairways: Repart at 7 to 14-day intervals. Home teums: Repart at 14 to 21-day intervals. Continue as long as devese perbits.		Do not graze weeted areas or feed clippings to livestock.	When conducts are unusually leverable for dise 34, use 6-8 cost/000 sign (16 22(batecne) and reduce intervals to 3 to 5 days.

TURF GRASSES - Applications restricted to lawn grasses by professional applicators. Not for homeowner use.

STORAGE AND DISPOSAL

STORAGE: Important---Never allow "Manzate" 200 to become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of "Manzate" 200 as a fungicide and create vapors which may be flammable. Keep container closed when not in use. Store product in original container only, away from other pesticides, fertilizer, food or feed.

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

Du Pont 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 the 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 Du Pont. In no case shall Du Pont 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. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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