

ROVRAL® Fungicide

Reg no : 264-453

PM-21

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ACTIVE INGREDIENT

Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolecarboxamide50.0%

INERT INGREDIENTS:

ACCEPTED

NOV 21 1973

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

264-453

EPA Reg. No. 264-453

EPA Est. No.35982-TX-1

For **PRODUCT USE** Information Call 1-800-334-9745
For **EMERGENCY** Information **ONLY** Call 24 Hours A Day 1-800-334-7577

PRECAUTIONARY STATEMENTS**CAUTION****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Avoid contact with skin, eyes, or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

STATEMENT OF PRACTICAL TREATMENT

IN CASE OF CONTACT: Wash skin with soap and water.

IF IN EYES: Flush with water for 15 minutes and get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. DO NOT apply directly to water or wetlands. DO NOT contaminate water when disposing of equipment washwater. Drift or run-off from treated areas are hazardous to aquatic invertebrates in neighboring areas.

GENERAL INFORMATION: ROVRAL® is a wettable powder formulation of iprodione for the control of certain diseases on Almonds and Stone Fruits (Apricots, Cherries, Nectarines, Peaches, Plums, and Prunes), Garlic, Lettuce, Grapes, Ginseng, Carrots, Broccoli, Beans, Peanuts, Potatoes, Raspberries, and Dry Bulb Onions.

NOTE TO USER: DO NOT graze animals in treated orchards. DO NOT feed cover crops grown in treated orchards to livestock.

DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through sprinkler irrigation systems including microjet, drip, solid set and center pivot. DO NOT apply this product through any other type of irrigation system.

SPRAY PREPARATION: Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS: First prepare a suspension of ROVRAL® Fungicide in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of ROVRAL® Fungicide, and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label of ROVRAL® Fungicide per 1 to 4 gallons of water are recommended) Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of ROVRAL® Fungicide into the irrigation water line so as to deliver the desired rate per acre. The suspension of ROVRAL® Fungicide should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State

Extension Service specialists, equipment manufacturers or other experts.

NOTE: When treatment with ROVRAL® Fungicide has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. 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. 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, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from nonuniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

DO NOT connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system

unless the label-prescribed safety devices for public water supplies are in place.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

FUNGICIDE RESISTANCE STATEMENT

ROVRAL® Brand Fungicide is a dicarboximide fungicide. Resistance developed to other dicarboximides, such as RONILAN may result in resistance to ROVRAL®. Therefore, **DO NOT EXTEND THE TOTAL NUMBER OF APPLICATIONS PER CROP ON THIS LABEL WITH RONILAN.**

REENTRY STATEMENT

DO NOT apply this product in such a manner as to directly or through drift expose workers or other persons. The area being

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treated must be vacated by unprotected persons. **DO NOT** enter treated areas without protective clothing until sprays have dried.

HOW TO USE ROVRAL® FUNGICIDE

Partially fill the spray tank with clean water. Measure the required amount of ROVRAL® Fungicide and pre-mix with a small volume of water, add this to the tank. Agitate to ensure thorough mixing while filling tank with remaining water. Maintain agitation during application and apply with properly calibrated application equipment. **DO NOT** allow spray mixture to stand overnight or for prolonged periods, as some chemical breakdown may occur, particularly in water with a high pH.

HOW MUCH ROVRAL® FUNGICIDE TO USE

The rate chosen will depend on the severity of disease pressure and weather conditions at the time of application (if conditions are severe, use the highest rate). Apply ROVRAL® Fungicide in accordance with the directions in the following tables.

Iprodione/Sweet Cherry
(Adding Postharvest Use)

CROP	HOW TO USE	DISEASE	DOSAGE RATE		WHEN TO USE
			LBS. PRODUCT/100 GAL.	LBS. PRODUCT/ACRE	
SWEET CHERRIES* (Foliar and Postharvest Applications)	Apply ROVRAL ^R as an overall spray in sufficient water to obtain THOROUGH COVERAGE of bloom, foliage, and/or fruit (20-400 gallons per acre by ground equipment and in a minimum of 15 gallons per acre by air). Aerial applications are only recommended during the BLOOM PERIOD.	Brown Rot Blossom Blight (Monilinia sp.)	0.25	1.0	The rates of ROVRAL ^R per 100 gallons are based on a standard of 400 gallons per acre dilute spray for mature trees. For less than mature trees, apply the rate per 100 gallons until run-off. If less than 400 gallons of spray solution per acre is applied to mature trees, refer to the rate per acre to insure that the proper amount of material is applied.
		Fruit Brown Rot (Monilinia sp.)	to 0.50	to 2.0	
	For postharvest disease control apply ROVRAL ^R once to the fruit as a dip or spray treatment without rinsing as follows -	Fruit Brown Rot (Monilinia sp.)	2.0	—	Brown Rot Blossom Blight Apply first at early bloom (approximately 5% bloom). If conditions are favorable for disease development, apply again at full bloom and at petal fall.
	<u>Postharvest Spray Treatment:</u> Sweet cherries are provided a postharvest spray treatment in the commercial stem cutting, sizing & sorting equipment using a wash of potable water with chlorine followed by the ROVRAL ^R treatment spray. Incorporate ROVRAL ^R into the spray using conventional spray equipment. Treat 25,000 lbs. or more of fruit with 100 gallons of ROVRAL ^R spray solution.				Fruit Brown Rot. An application should be made whenever temperatures and moisture conditions favor disease infection in the five week period prior to harvest.
	-OR-				If these conditions persist or reoccur, a second application should be made. This second application should be made no sooner than 7 days following the first preharvest application.
	<u>Postharvest Dip Treatment:</u> Sweet cherries are provided a post-harvest dip treatment in conventional treaters (stem cut & fruit sorted before hydrocooling and ROVRAL ^R dip treatment). Incorporate ROVRAL ^R into the dip tank using conventional dipping equipment. Treat 25,000 lbs. or more of fruit with 100 gallons of ROVRAL ^R dip solution with a dipping time of up to 15 minutes. Recharge dipping tank with fresh solution to maintain the necessary level for good operation.				Preharvest applications may be made up to and including the day of harvest. Do not apply more than 2.0 lbs. of ROVRAL ^R per acre per application. Do not make more than 5 foliar applications of ROVRAL ^R per season plus one postharvest application as a spray or dip.
	Do not reuse treated run-off solution.				
	ROVRAL ^R may be tank mixed with DCA products registered for use on sweet cherries.				

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* NOTE TO USER: Do not graze animals in treated orchards. Do not feed cover crops grown in treated orchards to livestock.
PETITION NOTE: For additional product information refer to Section A.

CROP	HOW TO USE	DISEASE	DOSAGE RATE		WHEN
			LBS. PRODUCT/100 GAL.	LBS. PRODUCT/ACRE	
NECTARINES, PEACHES, PLUMS (Foliar and Postharvest Applications)	Apply ROVRAL [®] as an overall spray in sufficient water to obtain THOROUGH COVERAGE of bloom, foliage, and/or fruit (20-400 gallons per acre by ground equipment and in a minimum of 15 gallons per acre by air). Aerial applications are only recommended during the BLOOM PERIOD.	Brown Rot Blossom Blight (Monilinia sp.) Fruit Brown Rot (Monilinia sp.)	0.25 to 0.50	1.0* to 2.0	The rates of ROVRAL [®] are based on a standard per acre dilute spray For less than mature rate per 100 gallons than 400 gallons of spray acre is applied to mature to the rate per acre proper amount of material Brown Rot Blossom Blight Apply first at early 5% bloom). If conditions for disease development at full bloom and at
	For postharvest disease control apply ROVRAL [®] once to the fruit as a wax spray. Incorporate ROVRAL [®] into the wax spray using conventional waxing equipment. Treat 200,000 lbs of fruit with 100 gallons of ROVRAL [®] wax solution. Do not reuse run-off solution from brushes or spray. ROVRAL [®] may be tank mixed with DCA products registered for use on nectarines, peaches and plums.	Fruit Brown Rot (Monilinia sp.)	2.0	—	Fruit Brown Rot An application should be made over temperatures and conditions favor disease five week period prior If these conditions prevail second application should This second application made no sooner than the first preharvest Do not apply more than of ROVRAL [®] per acre per application. Do not foliar applications plus plus one post harvest postharvest application.

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* 1 lb. ROVRAL 50W = 0.5 lb. a.i.

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