

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

359-724

DATE OF ISSUANCE

8-17-87

TERM OF ISSUANCE

Conditional

NAME OF PESTICIDE PRODUCT

Rovral 4 Flowable

NOTICE OF PESTICIDE: ☐ REGISTRATION
☒ REREISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Rhone-Poulenc, Inc.
Agrochemical Division
P.O. Box 125
Monmouth Junction, NJ 08852

ASG 161
199956 18
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198991 161
1 18

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

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

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

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

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

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 359-724."

b. The label claim that the product is used on "certain field crops" should be deleted (under general information) since there are no field crop uses on the proposed labeling.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 5(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Lois A. Rossi
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosures

rovra

4
Flowable

FUNGICIDE

ACTIVE INGREDIENT:

Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)

-2,4-dioxo-1-imidazolidinecarboxamide ?

INERT INGREDIENTS

* Equivalent to 4 lbs. Iprodione per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

STATEMENT OF PRACTICAL TREATMENT

In case of contact, wash skin with soap and water; for eyes flush with water
minutes and get medical attention.

See Back Panel for Additional Precautionary Statements

EPA Reg. No. 358-

EPA Est.

0786

ACCEPTED
with COMMENTS
by EPA Letter Dated:

AUG 17 1987

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
this product has been determined to be
registered under FIFRA Reg. No.

359-724

Manufactured by

RHÔNE-POULENC INC.

AGROCHEMICAL DIVISION

Monmouth Junction, New Jersey 08852

40F6

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

CAUTION

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTION FOR USE

GENERAL USE

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

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 treated must be vacated by unprotected persons.

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

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or Oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers and given in a language customarily understood by the workers.

Oral and Written warning must include the Statement of Practical Treatment and Reentry Statements as they appear on the label.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

4 Flowable is a flowable.

GENERAL INFORMATION

Flowable formulation of iprodione for the control of certain diseases on Stone Fruits and Nuts, Grapes, Leafy Vegetables, Vegetables and Certain Field Crops.

HOW TO USE ROVRAL

4 Flowable

Partially fill the spray tank with clean water. Measure the required amount of Rovral 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 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 in accordance with the directions in the following tables.

4 Flowable

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STONE FRUITS and NUTS:

CROP	HOW TO USE	DISEASE	DOSAGE RATE		WHEN TO USE
			PINTS / 100 GAL.	PINTS / ACRE	
APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS, and PRUNES*	Apply Flowable 4 as 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 (Monilia sp.) Fruit Brown Rot (Monilia sp.)	0.25 to 0.50	1.0 to 2.0	4 Flowable The rates of Flowable 4 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. 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. Fruit Brown Rot An application should be made whenever temperatures and moisture conditions favor disease infection in the two week period prior to harvest. 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. Preharvest applications may be made up to and including the day of harvest. Do not apply more than 2.0 gal. of Flowable 4 per acre per application. Do not make more than 5 applications of Flowable 4 per season.
ALMONDS*	Apply Flowable 4 as overall spray in sufficient water to obtain THOROUGH COVERAGE of bloom and foliage (100-400 gallons per acre by ground equipment and in a minimum of 20 gallons per acre by air). The use of aerial equipment is not recommended after petal fall.	Brown Rot Blossom Blight (Monilia sp.) Shothole (Blumeria carposphaera)	0.25	1.0	4 Flowable The rates of Flowable 4 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. Brown Rot Blossom Blight: Shothole Apply first at petal fall and, if conditions favorable for disease development persist or reoccur, up to 2 subsequent applications can be made at 14 full bloom, 2 petal fall, 2 up to 8 weeks after petal fall. NOTE TO USER: Do not make more than 4 applications of Flowable 4 per season.

*NOTE TO USER: Do not graze animals in treated orchards. Do not feed cover crops grown in treated orchards to livestock.

GRAPES:

CROP	HOW TO USE	DISEASE	DOSAGE RATE		WHEN TO USE
			PINTS / 100 GAL.	PINTS / ACRE	
GRAPES	Flowable 4 Flowable 4 is a fungicide formulation for the control of Bunch Rot on GRAPES. Apply as a foliar spray in sufficient water to obtain THOROUGH COVERAGE (20-400 gallons per acre). The spray mixture should not be allowed to stand overnight as some breakdown of the product may occur from prolonged contact with water. Maintain thorough coverage during spray operations and apply uniformly with ground or aerial equipment. Do not make more than 4 applications of Flowable 4 per season.	Bunch Rot (Botrytis sp.)	—	1.5 - 2.0	4 Flowable Apply Flowable 4 according with directions provided in the table: SPRAY SCHEDULE 1. Early - midbloom 2. Prior to bunch closing 3. Beginning of fruit ripening (harvest) 4. Final application prior to harvest as needed. The last application may be made up to and including the day of harvest. Thorough coverage of the bunches is essential. Under severe disease conditions the higher rate is recommended. Flowable 4 may be used in conjunction with good cultural practice designed to minimize conditions conducive to bunch rot (Botrytis cinerea). It should be applied with equipment calibrated and adjusted to direct the spray at the bunches to ensure thorough bunch coverage.

LEAFY VEGETABLES:

CROP	HOW TO USE	DISEASE	DOSAGE RATE		WHEN TO USE
			0 PINTS/ 100 GAL.	0 PINTS/ ACRE	
HEAD LETTUCE*	Apply as a leafy spray in sufficient water to obtain thorough coverage (25-100 gallons per acre).	Lettuce Drop (Botrytis sp.) Bottom Rot (Fusarium solani)	—	1.5 - 2.0	Application should be made with tractor mounted boom sprayers equipped with flat fan or hollow cone nozzles directed to insure thorough coverage of the lower portion of the plants and the surrounding soil surface. Do not drench. The higher rate should be used under severe disease conditions. Apply at the 3 leaf stage of growth and again 10 days later. If conditions still favor disease development, a third application should be made 10 days after the second spray. Do not apply within 14 days of harvest. Do not make more than 3 applications of Rovex per season. 4 Flowable

VEGETABLES and CERTAIN FIELD CROPS:

CROP	HOW TO USE	DISEASE	DOSAGE RATE		WHEN TO USE
			0 PINTS/ ACRE	GALLONS/WATER PER ACRE	
BROCCOLI	Application should be made with a tractor mounted boom sprayer with 2 flat fan nozzles per row (one on either side) directed at the base of the plant and the adjacent soil surface. Position nozzles to insure thorough coverage of the lower portion of the stem. Do not drench.	Black Leg (Phoma lingam)	2.0	—	Apply immediately after thinning (2-4 leaf stage) as a directed spray to the base of the plant and the adjacent soil surface. If disease conditions persist or recur, a second application may be made up to the day of harvest. Apply in 40- 200 gallons of spray solution per acre.
DRY BULB ONIONS*	A single, flat fan, or cone nozzle should be centered and adjusted to provide correct coverage of each row. Up to 10 applications can be made per season. Do not apply within 7 days of harvest. 4 Flowable Apply Rovex using ground equipment in accordance with the directions in the table.	Botrytis leaf blight (Botrytis squamosa) Purple Blotch (Alternaria porii)	1.5	10 - 100 2 - 14	Apply as a leafy spray as soon as conditions become favorable for disease. Continue applications at 10 day intervals as long as conditions favor disease development. Under severe disease conditions the shorter interval should be used. 4 Flowable
GARLIC*	Apply as an in furrow spray in sufficient water to obtain thorough coverage. 4 Flowable	White Rot (Sclerotium cepivorum)	4.0*	50 - 100	Apply Rovex in the furrow at planting. Position nozzles to treat the cloves and the cover- ing soil used to fill the furrow. **Using a 30-40 inch bed spacing.
PEANUTS*	Apply Rovex using a tractor mounted boom sprayer equipped with two pressure nozzles (e.g., 8015 LP, 8015 LP, etc.) directed at the base of the plant. Nozzle position should be centered and adjusted to provide complete coverage of the row.	Sclerotinia blight (Sclerotinia)	2.0	40	Make an initial application when conditions first become favorable for disease develop- ment. Up to 3 subsequent applications of 0-100 can be made at 10 week intervals. Do not apply within 10 days of harvest.

*NOTE TO USER: The following crops may be rotated after harvest: Garlic, Dry Bulb Onions, Leafy Vegetables and Peanuts.

The following crops may be rotated the year following treatment: Root Crops, Cereal Grains, Soybeans and Tomatoes.

CONDITION OF SALE, WARRANTY, LIMITATION OF LIABILITY

This product conforms to the chemical description on the label thereof and to the representation as to the purpose stated on such label only when used in accordance with directions under normal use conditions. Further directions concerning timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other information bearing on the use of this product are beyond the control of Rhone-Poulenc or its dealer. Buyer assumes all risks of use, storage, or handling of this product, not in strict accordance with directions given hereon. In no case shall Rhone-Poulenc or its dealer be liable for damages, if caused or induced directly or indirectly by use of or failure to use this product.