109801
SHAUGHNESSEY NO.

15
REVIEW NO.

EEB BRANCH REVIEW

DATE: IN 12/13/82 OUT 1/28/83

FILE OR REG. NO. 359-EUP-AG

PETITION OR EXP. PERMIT NO.

DATE OF SUBMISSION 12/2/82

DATE RECEIVED BY HED 12/10/82

RD REQUESTED COMPLETION DATE 3/1/83

EEB ESTIMATED COMPLETION DATE 2/22/83

RD ACTION CODE/TYPE OF REVIEW 750/EUP

TYPE PRODUCT(S): I, D, H, F, N, R, S Fungicide

DATA ACCESSION NO (S).

PRODUCT MANAGER NO. H. Jacoby (21)

PRODUCT NAME (S) Rovral

COMPANY NAME Rhône Poulenc, Inc.

SUBMISSION PURPOSE Proposed EUP for use on lettuce

SHAUGHNESSEY NO.	CHEMICAL, & FORMULATION	% A.I.
109801	Iprodione	50%

Rovral

100 Experimental Use Label Information

100.1 Pesticide Use

Fungicide for use experimentally on lettuce.

100.2 Formulation Information

Rovral® is 50% Iprodione.

100.3 Application Methods, Directions, Rates

In Arizona and California, Rovral is to be applied once per season at 1.5 to 2 lbs. per acre. This is equivalent to 1 lb a.i. per acre. In Florida, New York and Wisconsin, Rovral is to be applied three times per season at 1.5 to 2 lbs per acre. This is equivalent to 1 lb. a.i. per application per acre. Application should be made with tractor mounted boom sprayers. Do not apply within 14 days prior to harvest. Do not rotate with other crops besides lettuce.

100.4 Target Organisms

Bottom Rot (Rhizoctonia solani)
Botrytis (Botrytis sp.)
Lettuce Drop (Sclerotinia sp.)

100.5 Precautionary Labeling

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

100.6 Proposed EUP Program

100.6.1 Objectives

The major stated objectives of this program are to obtain:

1. Efficacy data for Rovral against bottom rot (Rhizoctonia solani) and Botrytis sp. when using commercial equipment.
2. Residue data for Rovral from lettuce when using commercial equipment.

100.6.2 Date, Duration

April, 1983 to December, 1984

100.6.3 Amount Shipped, Geographical Distribution

State	Rate*	No. of Tests	Total Acreage	Average # of applications	Total lbs a.i.
AZ	1	55	2,750	1	2,750
CA	1	55	2,750	1	2,750
FL	1	60	3,000	3	9,000
NY	1	20	1,000	3	3,000
WI	1	10	500	3	1,500

* lbs. a.i. per acre

101 Physical and Chemical Properties

See previous EEB reviews (1/21/82 by J. Felkel)

102 Behavior in the Environment

See previous EEB reviews (1/21/82 by J. Felkel)

103 Toxicological Properties

For details see EEB review by J. Felkel dated 1/21/82

Summary:

Species	Test Material	Results	Category
Rat	Tech.	LD50 = 3700 mg/kg (M) LD50 = 3200-6100 (F)	TB[1]/
Dog	Tech.	LD50 > 2000 mg/kg	TB[1]/
Bobwhite	Tech.	LD50 = 930 mg/kg	Core
Mallard	Tech.	LD50 > 10,400 mg/kg	Suppl.
Bobwhite	Tech.	LC50 = 9200 ppm	Core
Mallard	Tech.	LC50 > 20,000 ppm	Core
Rainbow Trout	95%	LC50 = 4.2 ppm	Suppl.
Bluegill	95%	LC50 = 6.3 ppm	Core
Daphnia	94.5	LC50 = 7.2 ppm	Core
"	"	LC50 = 0.43 ppm	Core
Bobwhite	Tech.	Chronic NEL >114 ppm	Suppl.
Bobwhite	95%	No Rep. Impairment at 1000 ppm	Core
Mallard	95%	No Rep. Impairment at 300 ppm	Core

1/ From Toxicology Branch

104 Hazard Assessment

104.1 Discussion

The use of Iprodione (a.i. of Rovral) in one formulation or another on numerous crops has been reviewed by EEB.

Crop	Type of Submission	Review Date	Conclusions
Stone Fruits	Conditional Reg.	1/21/82	Significant increase in acreage but no substantial hazards.
Almonds	Conditional Reg	9/3/82	"
Turfgrass	Registration	12/4/78	no adverse effects expected

104.2 Likelihood of Adverse Effects to Non-target Organisms

Iprodione is usually persistent in soils and sometimes persistent in water, so fish and wildlife in the areas where it would be used could be exposed to it. However, it is slightly toxic, to practically non-toxic, to mammals and birds, so hazard to terrestrial organisms should be minimal. Iprodione is moderately toxic to aquatic organisms, but the limited acreage proposed for this EUP would , at worst, result in minimal risks to this animal group.

104.3 Endangered Species Considerations

This EUP program should have no adverse effect on endangered species.

104.4 Adequacy of Toxicity Data

The toxicity data that were available were adequate for this risk assessment.

105 Conclusions

105.6 Recommendations

The EEB has reviewed this proposed EUP and has determined that experimentally using Rovral on lettuce will result in no significant hazards to non-target organisms.

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