

US EPA ARCHIVE DOCUMENT

FILE COPY

Date Out EFB: JAN 20 1982

To: Product Manager 21 Jacoby
TS-767

From: Dr. Willa Garner *WJ*
Chief, Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 359-TNU

Chemical: Iprodione

Type Product: Fungicide

Product Name: Rovral

Company Name: Phone-Poulene

Submission Purpose: Use on stone fruits

ZBB Code: ?

ACTION CODE: 180

Date in: 11/17/81

EFB # 67

Date Completed: JAN 20 1982

TAIS (level II)

Days

Deferrals To:

62

1.5

 Ecological Effects Branch

 Residue Chemistry Branch

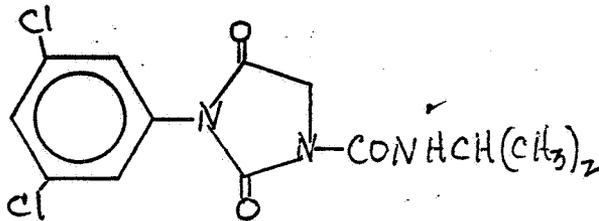
 Toxicology Branch

1.0 Introduction

Chemical Name and Type Pesticide: Iprodione, 3(3,5-dichlorophenyl)-N-(1-methyl)-2,4-dioxo-1-imidazolidinocarboxamide, 50% Fungicide.

Trade Name: Rovral (also chipco 26019, Glycophene 26019, RP 26019).

Chemical Structure:



The applicant requests the addition of stone fruits (apricots, cherries, nectarines, peaches, plums, and prunes) to the label.

2.0 Directions for Use

See attached pages.

3.0 Discussion of Data

3.1 FISH ACCUMULATION

- 3.1.1. Accumulation of ¹⁴C-RP-26019 in Bluegill Sunfish Exposed in Dynamic Flow Systems Containing 0.01 and 1.0 ppm of the Fungicide, Contract Laboratory: Cannon Laboratories (Reading, PA), 30 May 1978, Lab # 7E-7934, Tab D-1 Acc. # 070443.

Experimental Procedure

The sunfish were exposed to 0.01 and 1.0 ppm of ¹⁴C-RP-26019 fungicide in water for a 28-day period. The exposure period was followed by a 14-day depuration period. Fish were sampled throughout the study and total ¹⁴C-residues in whole fish, edibles, and viscera were determined. Analysis was by LSC.

Results

The data (Tables 2-5) show that maximum residue levels and bioaccumulation were attained between 3 and 10 days for viscera and edibles. The residue levels rapidly decreased after the exposure to the chemical was discontinued. On the 14th day of dissipation the ¹⁴C levels were less than 0.025 ppm.

Conclusion

No significant bioaccumulation in Bluegill Sunfish was observed.

The study satisfies this data requirement.

4.0 Recommendation

EEB concurs with the proposed addition of stone fruits to the Rovral label, since the environmental fate data requirements have been satisfactorily met. The Bluegill sunfish fish accumulation study was the only one submitted with this petition. The other required studies were previously submitted and considered acceptable.

Herbert L. Manning
Herbert L. Manning Ph.D.
Review Section #1
EFB/HED

RIN 5721

IPRODIONE EF REVIEWS

109801

Page is not included in this copy.

Pages 4 through 10 are not included.

The material not included contains the following type of information:

- Identity of product inert ingredients.
- Identity of product impurities.
- Description of the product manufacturing process.
- Description of quality control procedures.
- Identity of the source of product ingredients.
- Sales or other commercial/financial information.
- A draft product label.
- The product confidential statement of formula.
- Information about a pending registration action.
- FIFRA registration data.
- The document is a duplicate of page(s) .
- The document is not responsive to the request.

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.
