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Date Out EFB: AUG 27 1979

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To: Product Manager
TS-767

Through: Dr. Gunter Zweig, Chief
Environmental Fate Branch

From: Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 201-401 9F2210/9H5222

Chemical: Pydrin Cyano (3-phenoxyphenyl) methyl-4-chloro-alpha-(1-methylethyl)benzeneacetate

Type Product: Insecticide

Product Name: Pydrin

Company Name: Shell

Submission Purpose: Add use on pears

ZBB Code: Sec. 3

Date in: 6-29-79

Date Completed: 8-9-79

Deferrals To:

☐ Ecological Effects Branch

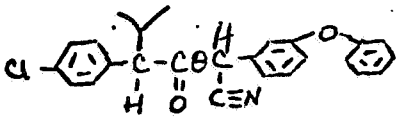
☐ Residue Chemistry Branch

☐ Toxicology Branch

1.0 Introduction

1.1 Pydrin® is the trademark for an insecticide produced by the Shell Oil Company. Conditional registration of this product was recently (3/13/79) approved by EPA for use on cotton. The current submission concerns addition of use on pears to product use registration.

1.2 The chemical name for the active ingredient (30% by weight) in Pydrin is Cyano (3-phenoxyphenyl)methyl-4-chloro-alpha-(1-methylethyl) benzeneacetate. The structure is as follows:



2.0 Directions for Use

2.1 For application to crops, mix required amounts of PYDRIN in sufficient water to provide uniform coverage. Application may be by ground or by air. Do not rotate to root crops within 12 months or all other crops within 60 days after last treatment.

2.2 Application to pears (including pears interplanted with apples)

- Insect: Pear Psylla
- LB.AI/A: 0.2-0.4
- LB.AI/100 gal: 0.5 - 0.1
- Fl. oz./100 gal: 2 2/3 - 5 1/3
- Number Acres treated with
  - quart: 3-1.5
  - gallon: 12-6

-Further Use Instructions: Apply during dormant to pre-bloom (white bud) stage only. Do not apply more than 2 applications (0.8 lb/A) per dormant season (or 600 gal. finished spray).

3.0 Discussion of Data

No additional data was submitted. It is assumed from the P.M. note that all data submitted to support registration for use on cotton (3/12/79) was referenced.

4.0 Recommendations

4.1 EFB notes that adequate data to meet the field dissipation study data requirement have not submitted.

4.2 All other environmental chemistry data pertinent to this use has been previously submitted and deemed adequate.

Ron E. Ney, Jr.

Cee Ann Davis

Cee Ann Davis

Review Section #1
Hazards Evaluation Division
Environmental Fate Branch