

FILE COPY

Date Out EFB: NOV 13 1980

To: Product Manager 17 Gee
TS-767

From: Dr. Willa Garner 5. Creeger (Acting Chief)
Chief, Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 201-401

Chemical: Pydrin

Type Product: Insecticide

Product Name: Pydrin

Company Name: Shell

Submission Purpose: Amend registration to add field corn, pears, dry beans,
dry peas, & celery

ZBB Code: 3(c) (7)

ACTION CODE: 216

Date in: 9/10/80

EFB # 620

Date Completed: NOV 13 1980

Time (days) 1

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

GENERAL DIRECTIONS

PYDRIN Insecticide 2.4 Emulsible Concentrate contains 2.4 pounds of active ingredient per gallon. For applications to crops, mix the required amount of PYDRIN in sufficient water to provide uniform coverage. PYDRIN may be applied by ground or aerial application equipment. Do not enter treated areas before spray is dry. Rotation crops may be planted immediately after harvest.

DIRECTIONS FOR APPLICATION

CROP	INSECT	DOSAGE		NUMBER ACRES TREATED WITH		FURTHER USE INSTRUCTIONS	DAYS TO HARVEST
		LB AI/ ACRE	FL OZ/ ACRE	QUART	GALLON		
Field Corn	Cutworms	0.1 - 0.2	5-1/3 - 10-2/3	6-3	24-12	Repeat as necessary to maintain control. Do not exceed 2 sprays per season.	90 - Grain 60 - Forage
Pears	Pear Psylla Codling moth	0.1 to 0.3	3 1/3 - 16	2-6	8-24	Repeat as necessary to maintain control. Do not exceed 3 sprays per year, not more than 3 sprays between bloom and harvest. Do not feed or graze livestock on treated orchard floors.	28

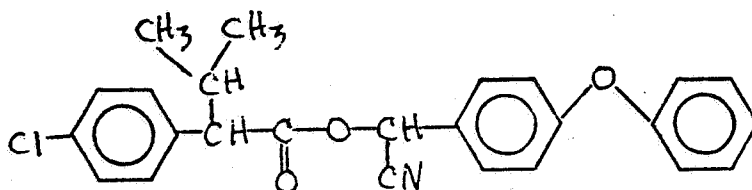
CROP	INSECT	DOSAGE		NUMBER ACRES TREATED WITH		FURTHER USE INSTRUCTIONS	DAYS TO HARVEST
		LB AI/ ACRE	FL OZ/ ACRE	QUART	GALLON		
Dry Beans	Mexican bean beetle	0.05- 0.1	2-2/3 - 5-1/3	12-6	48-24	Repeat as necessary to maintain control. Do not exceed 4 sprays per season. Do not feed or graze live- stock on treated vines.	21
	Corn earworm	0.1 - 0.2	5-1/3 - 10-2/3	6-3	24-12		
Dry Peas	Pea Aphid Cowpea Curculio Pea Leaf Weevil	0.1 - 0.2	5-1/3 - 10-2/3	6-3	24-12	Repeat as necessary to maintain control. Do not exceed 4 sprays per season. Do not feed or graze live- stock on treated vines.	21
Celery	Cabbage Looper	0.05- 0.1	2-2/3 - 5-1/3	12-6	48-24	Repeat as necessary to maintain control. Do not exceed 2 lb. active ingredient per acre per season. Do not feed or graze livestock on treated crop refuse.	1
	Leafminers	0.1 - 0.2	5-1/3 - 10-2/3	6-3	24-12		

1. Introduction

Chemical Name and Type Pesticide: Pydrin [cyano(3-phenoxyphenyl)methyl-4-chloro-alpha-(1-methylethyl) benzene acetate] 30% a.i., Insecticide.

Trade Name: PYDRIN Insecticide 2.4 EC

Structure



The applicant requests an amended registration of the insecticide PYDRIN 2.4 EC to add field corn, pears, dry beans, dry peas, and celery. The product is currently registered on cotton.

2. Directions for Use

See the attached sheets.

3. Discussion of Data

No new data submitted.

4. Recommendations

EFB concurs with the proposed added use of field corn, pears, dry beans, dry peas, and celery to the PYDRIN insecticide, since the environmental fate data required is now complete. (Previous data gaps were evaluated in a forthcoming review).

The rotational crop restriction that is currently recommended by EFB (12 months for root crops, 9 months for all others) should remain.

Herbert L. Manning
Herbert L. Manning, Ph.D.
Review Section #1
Environmental Fate Branch
Hazard Evaluation Division