

4/24/81
FILE COPY

Date Out: EFB: APR 24 1981

To: Product Manager 12 Ellenberger
TS-767

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

Attached please find the environmental fate review of:

Reg./File No: 464-448

Chemical: Chlorpyrifos

Type Product: Insecticide

Product Name: Lorsban

Company Name: Dow

Submission Purpose: use on tomatoes

ZBB Code: 3(c)(7)

ACTION CODE: 335

Date ^{In:} Completed: 3/24/81

EFB # 793

Date Completed: APR 24 1981

TAIS (level II) 63 Days 1

Deferrals To:

 Ecological Effects Branch

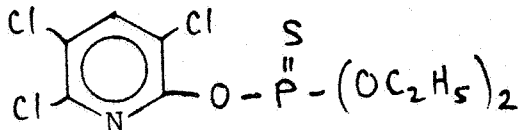
 Residue Chemistry Branch

 Toxicology Branch

1. INTRODUCTION:

1.1 This is a request for the conditional registration of chlorpyrifos on tomatoes to be added to the 464-448 label (Lorsban 4E)

1.2 Structure and chemical name



0,0-diethyl 0- (3,5,6-trichloro-2-pyridyl) phosphorothioate

2. DIRECTIONS FOR USE:

2.1 Apply 1 lb ai/A by air at first fruit set or when insects appear on the foliage. Repeat at 10-14 day intervals or as needed not exceeding 4 applications per season. Do not apply within 14 days before harvest.

2.2 There is no rotational restriction.

3. DISCUSSION OF DATA:

3.1 New data was not submitted.

4. RECOMMENDATION:

4.1 Use, as proposed by this conditional registration, will not alter the environmental fate of the active ingredient.

4.2 It is not clear why we have not received an anaerobic soil metabolism study. Our evaluation of July 26, 1978 notes that the registrant planned to start this study in August 1977. The study is needed to fully assess the environmental fate of chlorpyrifos.

4.3 Lorsban 4E lists aromatic petroleum derivative solvent as an active ingredient on the specimen label. No environmental fate data have been submitted for this active ingredient.

Samuel M Creeger April 24, 1981

Samuel M. Creeger, Chemist

April 23, 1981

Review Section No.1

Environmental Fate Branch

Hazard Evaluation Division (TS-769)