

US EPA ARCHIVE DOCUMENT

FILE COPY

Data Out: EFB: 29 JUN 1981

TO: Product Manager 12 Ellenberger
TS-767

FROM: Willa Garner ^{III}
Chief, Review section No.1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 464-523

Chemical: Chlorpyrifos

Type Product: Insecticide

Product Name: Dursban

Company Name: DOW

Submission Purpose: Crop rotation protocol

ZBB Code: Other

ACTION CODE: 450

Date in: 6/26/81

EFB # 877

Date Completed: 29 JUN 1981

TAIS (level II) _____

Deferrals To: 67 1/2

_____ Ecological Effect Branch

_____ Residue Chemistry Branch

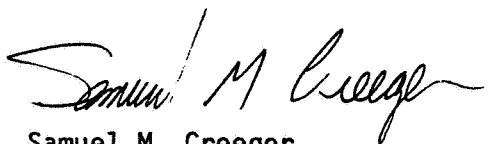
_____ Toxicology Branch

1. INTRODUCTION

1.1 This is a review of a rotational crop protocol for chlorpyrifos.

2. COMMENTS

- 2.1 The submitted protocol is very general. Additional information and details are needed.
- 2.2 Provide exact dates of application, planting of treated and rotational crops and harvest of rotational crops.
- 2.3 Record climatological data (rainfall, cloud cover, temperature, etc.).
- 2.4 Provide soil analyses of the test plots (% sand, % silt, % clay, % organic matter, pH, cation exchange capacity and field moisture capacity at 1/3 bar). Are the test soils representative of the soils in the proposed use areas?
- 2.5 Include a leafy vegetable (lettuce or spinach, for example) as a rotational crop to be studied.
- 2.6 Are treatments A.1 and A.2 to be applied to different plots or are both treatments to be made to the same plot?
- 2.7 Be sure pesticide application and other cultural practices simulate actual use conditions.
- 2.8 Sample wheat at 1/4, 1/2 and full maturity.
- 2.9 The registrant may want to plant the rotational crops at more than one rotational interval after pesticide application. Note that no detectable residue (NDR) at a 6 month rotational interval does not mean there will necessarily be NDR at a less than or greater than 6 month rotational interval.
- 2.10 Submit all raw data including recovery data and a complete description of the analytical methods used.



Samuel M. Creeger
June 29, 1981
Section #1/EFB
Hazard Evaluation Division

