Fo. Doc -

May 18, 1973

Evaluation of Environmental Data for Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate] (Dursban, Lorsban), PP # 3F1370, Dow Chemical Co.

Coordination Branch

I. Introduction

1. This is the second environmental review for chlorpyrifos, see evaluation by R. Ney, dated 2/15/72. This review is a result of the petitioner's request for a new registration of Lorsban 5G (Granular Insecticide) and Polyethylene-D (Polyethylene Containing Chlorpyrifos Insecticide) for use to control Banana Root Borer on bananas in Honduras and Ecuador.

2. We have no control over the use of pesticides in countries outside the U.S. We have no standards for the type of environmental data needed for uses outside the U.S.

II. Direction for use

1. Lorsban 5G Granular Insecticide

Apply in a uniform band (barrier) 6 inches wide around the base of each banana plant at the rate of 3 grams per plant (equivalent to 60 grams of formulation). Apply when needed but not more than once every 6 months.

2. Polyethylene-D Polyethylene Containing Chlorpyrifos Insecticide

Install the bags around the stems after all of the fruit bunches have formed and allow to remain there until harvest (about 80 days).

A single bag is used per stem. Bags are not replaced if damaged.

Each bag contains approximately 1/3 gram of chlorpyrifos.

III. Conclusions

1. For uses outside of the U.S., there have not been any standards set for what environmental data are needed.

2. We do not know of any crops rotated with banana; therefore, a crop rotation restriction is not required.

IV. Recommendation

1. We can go along with registration.

2. Environmental (70-15) data have been requested in evaluation dated 2/15/73 for 3F1306, 464-ULN, UUA, UUI, UUO, and UUT.

Samuel F. Howard

Ronald E. Mey, Jr.