FILE COPY

Date Out EFB: DEC 2 1981

To: Product Manager 12 (Ellenberger)
TS-767

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

Attached please find the environmental fate review of:

Reg./File No.: 264-EUP-AN and 264-EUP-AR

Chemical: Thiodicarb [Ethanimidothioic acid, N,N'[thiobis[(methylimino) carbonyloxy]]bis,-dimethyl ester]

Type Product: Insecticide

Product Name: LARVIN 500 and LARVIN 3.2

Company Name: Union Carbide

Submission Purpose: EUP - use on cotton and soybeans

ZBB Code: Sec. 5

ACTION CODE: 705

Date in: 10/16/81

EFB # 13 and 14

Date Completed: DEC 2 1981

TAIS (level II)	Days
52	0.5

Deferrals To:

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

_____ Toxicology Branch

1. INTRODUCTION

1.1 Union Carbide is requesting an EUP for the use of LARVIN 500 and LARVIN 3.2 (both containing thiodicarb as the ai) on cotton and soybeans. LARVIN 500 contains 1.075 pounds ai/qt and LARVIN 3.2 contains 0.8 pounds ai/qt.

1.2 Refer to the March 1, 1979 evaluation of 1016-EUP-LE (Larvin 500 Insecticide) for evaluation of a similar EUP request.

1.3 A 2-year permit (1982 and 1983) is being requested and all of the major cotton producing (14) and soybean producing (18) states are involved. Total quantities of ai are 4171 pounds for 1982 and 8626 pounds for 1983.

2. DIRECTIONS FOR USE

2.1 Cotton - Apply 0.3 - 0.9 lb ai/A and repeat as needed. Do not allow livestock to graze fields. Do not apply less than 28 days before harvest.

2.2 Soybeans - Apply 0.2 - 0.45 lb ai/A and repeat as needed. Do not feed forage to livestock. Do not apply less than 60 days before harvest.

3. RECOMMENDATIONS

3.1 Data previously submitted and reviewed are adequate to support the proposed EUP for thiodicarb on cotton and soybeans. However, a restriction against planting food or feed crops as rotational crops in the treated fields is needed on the label.

3.2 Data to support registration will be needed, in part, at the highest label rates and with the highest number of applications.

Samuel M. Creeger
December 2, 1981
Section #1/EFB
Hazard Evauation Division