

Shaugh. No. 109702

EFB Log Out Date: 22 AUG 1984

Init.: JUL

To: T. Gardner

Product Manager 17

Registration Division (TS-767)

From: Joe Reinert *Re: HED for*  
Chief, Environmental Chemistry Review Section #2  
Exposure Assessment Branch, HED (TS-767)

Attached, please find the environmental fate review of:

Reg./File No.: 279-GNET/ 279-GNET (2 actions)

Chemical: Cypermethrin

Type Product: Insecticide

Product Name: Ammo 2.5 EC Insecticide

Company Name: FMC Corporation

Submission Purposes: Label Modification

ZBB Code: 3 (C) (7) and other Action Code:

TAIS (Level II) Days

Date In: 4 May 1984 63 0.5

EFB#: 4355, 4356

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

## I. INTRODUCTION

FMC Corporation. representative, Mark W. Galley, in a letter dated 1 May 1984 to Adam Heyward responded to an unfavorable Toxicology Branch Risk Assessment (27 March 1984) for Ammo 2.5 EC Insecticide by submitting a modified label which includes mandatory protective clothing for the mixer/loader. In this letter he further requests that we use a spray drift study to develop an exposure assessment for the ULV oil formulations of cypermethrin. Additionally, in a second letter to Mr. Heyward (also on 1 May 1984) he agrees to do a dermal penetration study as part of the conditions for registration.

## II. CONCLUSIONS

The mixer/loader exposures have been lowered to 10% of what they were in my March 2, 1984 memorandum to John Doherty. These reduced estimates had been forwarded months ago to Tox. Branch (Hitch, 17 May 1984 memorandum to Ed Budd). The fact that EAB/HED can not estimate applicator exposure from a spray drift study was noted at that time. . Tox. Branch does not need to be notified that a dermal penetration study is underway (pers. comm. Ed. Budd). The current action merely logs out the registration papers thru proper channels.

*Robert K. Hitch*

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Exposure Assessment Branch  
HED/OPTS