

098301

Shaughnessy # - 098301

Date Out EFB: DEC 14 1982

To: Jay Ellenberger
Product Manager 12
Registration Division (TS-767)

From: Emil Regelman, (Acting) Head
Review Section No. 1
Environmental Fate Branch
Hazard Evaluation Division (TS-769)

Attached please find the environmental fate review of:

Reg./File No.: 38586-EUP-1

Chemical: Aldicarb

Type Product: Insecticide

Product Name: TEMIK 15G

Company Name: Union Carbide

Submission Purpose: Review groundwater monitoring data resulting from
use on hops in Washington, Oregon and Idaho.

ZBB Code: other

ACTION CODE: 759

Date In: 10/1/82

EFB # 25

Date Completed: 12/14/82

TAIS (level II)

Days

52

3

Deferrals To:

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

_____ Toxicology Branch

1. INTRODUCTION

1.1 Union Carbide-generated groundwater monitoring data for aldicarb residues resulting from the use of aldicarb on hops in Washington, Oregon and Idaho under 38586-EUP-1 have been submitted. The EUP was initially granted in July 1977 but has received several extensions until June 1982.

2. DISCUSSION/RECOMMENDATIONS

2.1 The groundwater monitoring data is sketchy and without detail. To evaluate the data, the following are needed:

- Maps showing the areas of use of aldicarb since the beginning of the permit on July 1, 1977, the location of the wells that were sampled and depth to the water table.
- Rainfall and temperature data from the beginning of aldicarb application during this permit.
- Provide characteristics of the soil (including % sand, % silt, % clay, % organic matter and pH) in the treated areas.

2.2 This "Final Report on Temik 15G" would have been more complete if soil cores would have been taken from the treated areas showing the extent of soil leaching of aldicarb residues.

2.3 It is noted that most of the acreage and aldicarb poundage involved in this permit was in Washington State but that this was not reflected in the amount of sampling done in comparison to the sampling done in Idaho and Oregon.



Samuel M. Creeger
December 14, 1982
Section #1/EFB
Hazard Evaluation Division