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Date Out EFB: DEC 02 1980

To: Product Manager 12
TS-767

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

SM Geiger (Acting Chief)

PROPRIETARY

Attached please find the environmental fate review of:

Reg./File No.: 264-EUP-58

Chemical: Aldicarb

Type Product: Insecticide

Product Name:

Company Name: Union Carbide

Submission Purpose: special correspondence

ZBB Code: other

ACTION CODE: 431

Date in: 10/8/80

EFB # 650

Date Completed: DEC 02 1980

Time (days) 3

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

Introduction

In the wake of the aldicarb well water contamination incident in Long Island, N.Y., Union Carbide was granted an EUP request on March 28, 1980, for a one year period, for monitoring the experimental use of aldicarb under certain conditions. Details of the program is found in the March 28, 1980, letter from RD. Also, in that letter it was noted that "If the 1980 EUP generates favorable results in terms of substantive residue reductions, the next step would be to design a 1981 study to determine why the soil and ground-water residue concentrations have been drastically reduced."

On June 27, 1980, Union Carbide submitted the first quarterly report. No adverse comments were noted in our review on August 7, 1980.

Now the second quarterly report is submitted. It constitutes a compilation of preliminary information on aldicarb residue data provided by the program collaborators.

Without the benefit of discussion of all test results, it is rather difficult to reach a sound conclusion that would elucidate the fate of aldicarb under the conditions of this program. Hence, EFB concludes that adequate review of the reported results can not be accomplished at this time. It is anticipated that the final results of EPA's own modeling effort on the transport and fate of aldicarb in Long Island groundwater is forthcoming ca. Jan. 1981, (Per Conversation with Bob Carsel).

Recommendation

Hence, it is recommended that the final EPA report be attached to this EUP final report such that final conclusions on aldicarb fate in groundwater be made.

M. Nawar

Madeline Nawar

Review Sec.#1

EFB/HED

12/2/80