

US EPA ARCHIVE DOCUMENT

FILE With Data

011301
Shaughnessy No.

MAR 1 1983

Date Out EFB:

Init.



To: Hank Jacoby
Product Manager 21
Registration Division (TS-767)

From: Carolyn K. Offutt, Chief *Carolyn K. Offutt*
Modeling & Guidelines Section
Environmental Fate Branch
Hazard Evaluation Division (TS-769)

Attached please find the environmental fate review of:

Reg./File No.: 5481-88

Chemical: DBCP

Type Product: Nematicide

Product Name: _____

Company Name: AMVAC Chemical Corp.

Submission Purpose: Hawaiian soil core analyses for DBCP

(groundwater)

ZBB Code: ?

ACTION CODE 400

Date In: 11/9/82

EFB # 53

Date Completed: 3/1/83

TAIS (level II) Days

Deferrals To:

67

2

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

_____ Toxicology Branch

I Introduction:

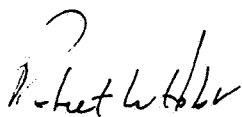
From July 1981 to April 1982 the quantity of DBCP in a roadside seep in Maliko Gulch. Maui, Hawaii was monitored. Also the quantity of DBCP in Field 234 was determined from soil cores. These fields had DBCP applied to them once (210 and 275) or since 1966 (234). This sampling period continued the monitoring from April 1980 to August 1981, the results of which were received on March 18, 1982.

II Data Summary:

The highest concentration in the seep was about .48 ppb. At the surface the highest field concentration was 5.67 ppb (field 210), 26.03 ppb (field 275), 578 ppb (field 234). DBCP was detected to 62 feet in field 234 (.73 ppb) and to 20 feet in fields 210 and 275 (.30 ppb). We have not made an evaluation of significance of the data at this time.

III Conclusion:

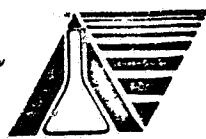
These data summaries have been placed in the EFB files for future reference.



11 MAR 1983

Robert W. Holst, Ph.D.
Plant Physiologist
EFB/HED (TS-769)

3481-00



AMVAC CHEMICAL CORPORATION T.M.

4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA. 90023
213/264-3910

August 16, 1982

Henry M. Jacoby
Product Manager (21)
Fungicide - Herbicide Branch
Registration Division (TS-767)
Environmental Protection Agency
Washington, D.C. 20460

Subject: Soil core analysis - Hawaii

Dear Mr. Jacoby:

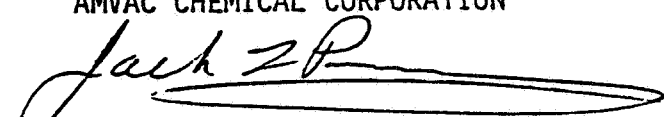
Enclosed is a copy of the results from analysing soil cores taken from Maui Pineapple Company, Ltd fields 234, 210 and 275. In addition a graph showing the trends in DBCP content of waters taken from Maliko gulch.

I have also enclosed the cover letter from Dr. David D.F. Williams which is self explanatory. I apologize for the delay in sending this information however I thought some of the information was missing (see my cover letter). Dr. Williams has been on vacation and just informed me today that it was complete.

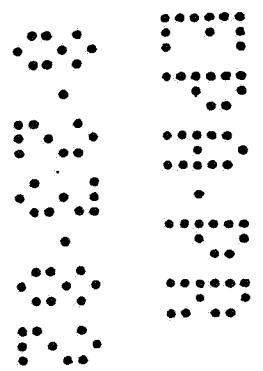
Please assign this data a accession number and send me the number for future reference.

Very truly yours,

AMVAC CHEMICAL CORPORATION


Jack L. Prieur
Product Manager

CC: Dave Williams
Maui Pineapple Company





AMVAC CHEMICAL CORPORATION

4100 EAST WASHINGTON BLVD. LOS ANGELES, CA. 90023
213/264-3910

July 15, 1982

David D. F. Williams
Agricultural Research Director
Maui Pineapple Company Ltd.
P.O. Box 187
Kahului, Maui
Hawaii, 96732

Dear Dave:

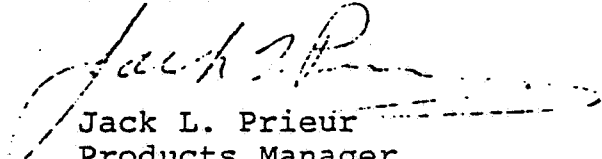
Thank you for your letter of July 8, 1982 and the results from analysing the soil cores. Your letter mentions Fields 234, 210, and 275, however we only received data on field 234. Please advise if there is additional data for fields 210 and 275.

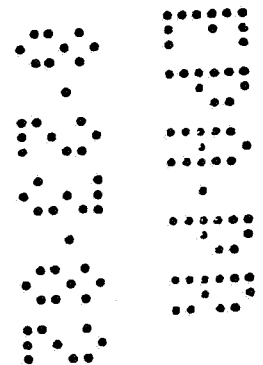
As soon as I receive your response I will forward your data to Henry Jacoby PM (21) EPA for an accession number.

Thank you in advance for your prompt reply.

Very truly your,

AMVAC CHEMICAL CORPORATION


Jack L. Prieur
Products Manager





Maui Pineapple Company, Ltd.

July 8, 1982

Jack L. Prieur, Products Manager
Amvac Chemical Corporation
4100 East Washington Blvd.
Los Angeles, CA 90023

Dear Jack:

Enclosed are two copies of the results from analysing the soil cores taken from our plantation fields 234, 210 and 275. Also a graph showing the trends in DBCP content of waters taken from Maliko gulch.

Field 234 is the field chosen for the EPA Settlement Agreement study of DBCP movement through the soil to groundwater. HC&S Maliko Pump Station sump samples groundwater downstream of Field 234. The other sampling sites for water are both perched aquifers in the same general area.

Field 234 has received DBCP applications since 1966. Fields 210 and 275 are both fields that are, or were, in their first cycle of planting to pineapple. They have both received only one application of DBCP.

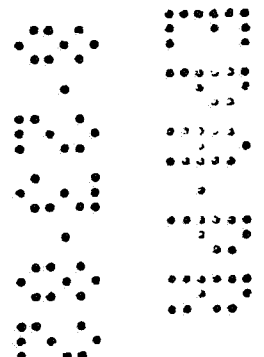
The University of Hawaii is carrying out adsorption-desorption studies on soil samples split from the same cores used for the attached residue analyses. We are preparing a complete report on this work, to be published together with the UH work, and intend to make this available to you and EPA as soon as it is prepared.

If you have any specific questions concerning the attached I will be happy to respond.

Sincerely,

David D. F. Williams
Agricultural Research
Director

Copy with attachments to Clausen Ely, Jr.



DBCP

011301

Page is not included in this copy.

Pages 6 through 8 are not included.

The material not included contains the following type of information:

- Identity of product inert ingredients.
 - Identity of product impurities.
 - Description of the product manufacturing process.
 - Description of quality control procedures.
 - Identity of the source of product ingredients.
 - Sales or other commercial/financial information.
 - A draft product label.
 - The product confidential statement of formula.
 - Information about a pending registration action.
 - FIFRA registration data.
 - The document is a duplicate of page(s) .
 - The document is not responsive to the request.
-

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.
