

23 FEB 1984

MEMORANDUM

SUBJECT: Thiodicarb and use on field and sweet corn

FROM: Samuel M. Creeger, Chief *SMC*
Section #1/EAB
Hazard Evaluation Division

Since the registrant will be submitting new field dissipation data on thiodicarb (LARVIN) within the next three months, the field dissipation data reviewed in the evaluations dated May 1, 1981 and June 24, 1982 will satisfy the need for such data to support use on field corn and sweet corn. However, there is the possibility that the results of our review of the new field dissipation data will show that unreasonable adverse effects to the environment will result from thiodicarb use on field and sweet corn. Such a situation could result in the Agency not concurring with registration or requiring more data.

cc. J. Ellenberger, RD
Thiodicarb file, EAB

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2/23/84

I, J. L. Arell, do hereby agree
that Union Carbide Agricultural Products
Company, Inc., will submit results of
its 1982-1983 field dissipation studies
of Larvin Thiodicarb insecticide by March 30, 1984.

J. L. Arell
Registration Manager, Insecticide
Union Carbide Agricultural
Products Company, Inc

June 15th - ¹⁹⁸² Meeting With Union Carbide on Protocol
for Soil Field Dissipation and Rotational Crop Studies
for Thioderach K (Carvin 500 Insecticide).

Meeting Participants -

EPA: Herb Manning - Reviewer Section 1 EFB
Beverly Comfort - PM 12 (Ellenberg) Team
Dan Clegg - EFB Reviewer Section 1
Stanley Harrison > Union Carbide Representative
Steve Lovell

Field Dissipation (Soil)

- ① We approved the change of 6 inch increments of soil core for analysis, instead of 2 inch increments.
- ② Since they will be applying the insecticide every week for 15 weeks, we approved their sampling after every fifth application.

Rotational Crop Study

- ① They agreed to plow the cotton crop under after the last treatment, instead of clearing the field and discarding the crop.

J. S. (STEVE) LOVELL
REGISTRATIONS COORDINATOR
Insecticides/Fungicides



UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
P.O. BOX 12014

STANLEY L. HARRISON
GROUP LEADER
Registration Analytical Chemistry



UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
P.O. BOX 12014, T.W. ALEXANDER DR.
DAVENPORT, IOWA 52802

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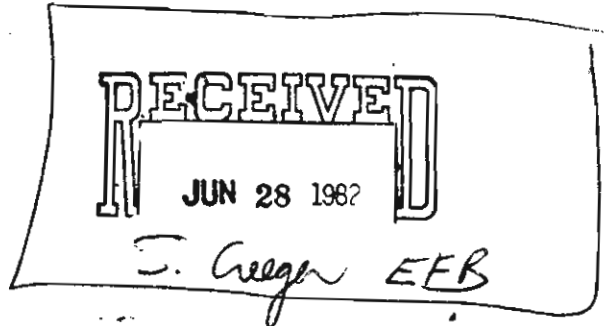


UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, Inc.

P O BOX 12014 T W ALEXANDER DRIVE
RESEARCH TRIANGLE PARK N C 27709

June 21, 1982
EPA Correspondence No. 132-82

U.S. ENVIRONMENTAL PROTECTION AGENCY
Registration Division (TS-767C)
Cm= 2, Room 202
401 M Street, S.W.
Washington, D. C. 20460



Attn: Mr. Jay S. Ellenberger

RE: LARVIN 500 Thiodicarb Insecticide
LARVIN 75WP Thiodicarb Insecticide
EPA File Symbols 264-GUR and 264-GUE

Dear Mr. Ellenberger:

This letter is to confirm agreements reached in a meeting on June 15, 1982, between Mr. Sam Creeger and Mr. Herb Manning of the environmental fate branch, Miss. Beverly Comfort of the PM 12 team, and Mr. Stanley H. Harrison and myself of Union Carbide.

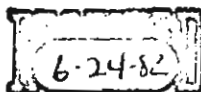
These discussions and agreements concerned protocols for conduct of field dissipation and rotational crop studies we are planning to do in connection with the subject applications for registration. We agreed to modify the rotational crop study protocol by requiring that the treated crop (cotton) be plowed under following the last application of LARVIN, as opposed to removal of the crop from the field as in the original protocol. With the field dissipation study, we proposed that the soil sampling schedule be modified in two fashions:

1. Soil core samplings would be subdivided into 0-6" and 6-12" depths rather than 0-2", 2-4", 4-6", and 6-12" as in the original protocol.
2. Soil samples would be taken at pre-treatment, and after the first, fifth, tenth, and fifteenth (last) treatment applications rather than after every application. (For areas receiving a maximum of 8 applications, samples are to be taken after the first, fourth, and eighth treatment). The sampling schedule following the final application will remain unchanged.

The basis for our request for these modifications was that the modifications would not affect the scientific value of the study, but would result in a significant cost savings. We appreciate the Agency's recognition of this situation and the agreement to the proposed modifications. A copy of the revised protocol is enclosed for your records.

Sincerely,

J. S. Lovell, Registrations Manager
Insecticides/Intermediates
Registration & Regulatory Affairs



JLS/gb (ENCLOSURE)

Thiodicarb exposure assessment review

Page _____ is not included in this copy.

Pages 2 through 6 are not included in this copy.

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 product 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
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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.

Meeting

Sept. 2, 1981

Thiodicarb- (LARVIN)

Steve Lovell - Union Carbide

Beverly Comfort - RD

S. Creeger - EFB/HED

A. Yamhure - EEB/HED

Lovell asked if the hydrolysis data submitted to date is adequate and if ~~the~~ the aerobic nitrogen fixing data is still needed.

I responded that the hydrolysis data is adequate and that since the proposed 1981 Guidelines do not require microbe studies, the aerobic nitrogen fixing data will not be required at this time. (See the Sept. 2, 1981 review of protocol for microbial study).

S. Creeger

Sept 2, 1981

EFB/HED