Shaughnessy No: 009001

Date Out of EAB: NOV 18 1986

To: La Rocca
Product Manager #15
Registration Division (TS-767)

From: Herbert L. Manning Ph.D, (Acting) Chief #19h
Environmental Chemistry Review Section 1
Exposure Assessment Branch
Hazard Evaluation Division TS-769c

Attached, please find the EAB review of:

Reg./File # : 359-686

Chemical Name: Lindane

Type Product : Instectide

Product Name : LX144-01

Company Name : Centere International d' Etudes du Lindane

Purpose : 164-1 Terrestrial Field Dissipation Protocol

Date In: 5/27/86

Date Completed: ~~NOV 18 1986~~

Action Code: 352

EAB #(s) : 6638

Reviewing Time: 3 days

Deferrals to:

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

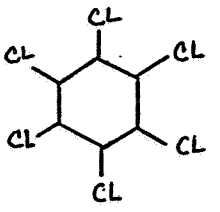
_____ Toxicology Branch

Monitoring study requested by EAB: ☐
Monitoring study voluntarily conducted by registrant: ☐

1. CHEMICAL:

common name: Linadane
chemical name: Gama-1,2,3,4,5,6-hexachloro-cyclohexane
trade name: Lindane LX144-01

structure:



2. TEST MATERIAL: LX144-01

3. STUDY/ACTION TYPE: Centre International d' Etudies du Lindane has submitted two Protocols for review (164-1 Terrestrial Field Dissipation): one for use on tomatoes, the other for use on peaches.

4. PROTOCOL IDENTIFICATION:

- LX144-01 (Lindane). Field Dissipation Terrestrial Protocol for Crop use(§164-1), #1641-86-44-01-15B-03 (Tomato).
- Lx144-01 (Lindane). Field Dissipation Terrestrial Protocol for Crop use (§164-1), #1641-86-44-01-02E-01 (Peach).

5. REVIEWED BY:

Alan N. Evans
Chemist
EAB/HED

Signature: Alan N. Evans
Date: Nov. 18, 1986

6. APPROVED BY:

Herbert L. Manning
(Acting) Chief, Section 1
EAB/HED

Signature: Herbert L. Manning
Date NOV 18 1986

7. CONCLUSION:

a. The protocol did not include the method of analysis, including a full description of the experimental design and procedures. These must accompany the completed study when it is submitted for review.

b. The units of measurements should be reported in the metric system, but the english system is acceptable. In no instance should the two systems of measurements be mixed.

c. The protocol did not include a description of the test equipment used, and photographs or detailed descriptions of non standard equipment. These must accompany submitted study.

d. A record of the rainfall and irrigation water that has accumulated from the first application to each sample should be kept and submitted with the study.

8. RECOMMENDATIONS:

See conclusions in section #7 of this review.

9. BACKGROUND:

A. Introduction

See section # 3 of this review.

B. Direction for use

Not Applicable

10. DISCUSSION OF INDIVIDUAL PROTOCOL:

A. Study Identification

Field dissipation studies of Lindane will be conducted in two different test site, which are representatives of the areas where the pesticides is expected to be used. The only difference in the protocols (tomato and peaches) is the application rate: 3.5 pts/100 gal water/ A for tomatoes and 3.0 pts for peaches. Lindane will be applied to plots containing crops and bare ground at the maximun amount according to the label. Samples will be taken prior to, immediatly after, and during the test period. These samples will be analyzed to determine soil residue dissipation and mobility under actual conditions. The results and ananlysis of data will be handled as specified in the subdivision N guidelines for environmental chemistry fate.

B. Materials and Methods

Not applicable

11. COMPLETION OF ONE-LINER:

Not applicable

12. CONFIDENTIAL APPENDIX:

Contains supporting information.