

US EPA ARCHIVE DOCUMENT

D-7922 / LINURON ^{SR}

Shaughnessy #: 035506

AUG 28 1985

Date out of EAB:

Signature: [Signature]

To: R. Taylor
Product Manager #25
Special Review Branch
Registration Division (TS-767)

From: Emil Regelman,
Chief, Section #3
Exposure Assessment Branch
Hazard Evaluation Division (TS-769c)

Releasable

Attached please find the EAB review of:

Reg./File No.: _____

Chemical: Linuron

Type Product: Herbicide

Product Name: _____

Company Name: Du Pont

Submission Purpose: Data Review: Bioconcentration in Bluegill

ACTION CODE: 660

Date In: 6/21/85

EAB # 5713

Date Completed: AUG 28 1985

TAIS (level II) Days

Deferrals To:

2

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

_____ Toxicology Branch

Reviewed: A Schlosser

1. CHEMICAL: 3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea
2. TEST MATERIAL: phenyl-labelled [¹⁴C] linuron
3. STUDY/ACTION TYPE: Data review - Reregistration
4. STUDY IDENTIFICATION: Butler, L.D., 1985. Laboratory studies of phenyl-¹⁴C linuron bioconcentration in bluegill sunfish. Unpublished study received June 14, 1985 under 352-326. Submitted by E.I. Du Pont de Nemours and Company, Inc., Wilmington, DE (NO MRID) ACCESSION # 258300

5. REVIEWED BY:

Art Schlosser
Chemist
EAB/HED/OPP

Signature: Arthur O. Schlosser

Date: 8/28/85

6. APPROVED BY:

Emil Regelman
Acting Chief
Review Section #3,
EAB/HED/OPP

Signature: Emil Regelman

Date: 8/28/85

7. CONCLUSIONS: Linuron residues accumulated in bluegill sunfish during 28 days of exposure to treated water. Maximum bioconcentration factors were 49 for whole fish, 240 for viscera 39 for muscle and carcass. Residues declined to about 10% of peak values after a 14 day depuration period. At day 28, linuron, desmethyl linuron, norlinuron and conjugated materials were found in the viscera. No analyses were made for residues in edible tissue.

8. RECOMMENDATIONS: Since the octanol/water partition coefficient for linuron is below 1000, no additional data will be required.

9. BACKGROUND:

- A. Introduction: Not applicable to this action.
- B. Directions for Use: Not applicable to this action.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES: See Dynamac Corp. Linuron Addendum III, Task I, August 9, 1985

A. Study Identification

B. Materials and Methods (Protocols)

1. Test Method

- a. Description of Protocol, etc.
- b. Description of Chemical method used.

C. Reported Results

D. Study Author's Conclusions/Quality Assurance Measures

E. Reviewer's Discussion and Interpretation of Study Results

11. COMPLETION OF ONE-LINER: Not performed at this time.

12. CBI APPENDIX: Registrant claims data to be CBI. Data should be treated as CBI until further notice.