

US EPA ARCHIVE DOCUMENT

7-9-85

D-7932 / LINURON SR

Shaugh. No. 035506

EAB Log Out Date JUL 09 1985

Init. *SM*

Releasable

To: Ingrid Sunzenauer
Product Manager (78)
Registration Division (TS-767)

From: Carolyn K. Offutt, Chief *Carolyn K. Offutt*
Environmental Processes and Guidelines Section
Exposure Assessment Branch, HED (TS-769)

Attached please find the environmental fate review of:

Reg./File No.: 153,157

Chemical: Linuron

Type Product: Herbicide

Product name:

Company name: du Pont

Submission Purposes: Comment on need for reentry data for Linuron
used on asparagus

Data In: 6/17/85

Action Code 827

Date Completed: JUL 09 1985

EAB #: 5679

TAIS (Level II) Days

1.0

Deferrals To:

- Ecological Effects Branch
- Residue Chemistry Branch
- Toxicology Branch

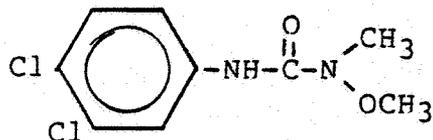
REVIEW OF REENTRY DATA

1. CHEMICAL:

Common name: Linuron

Chemical name: 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea

Structure:



Other names: CAS 330-5-2

2. TEST MATERIAL:

Not applicable

3. STUDY/ACTION TYPE:

Request for waiver from a Registration Standard requirement for submission of reentry data for use of the herbicide on asparagus

4. ACTION IDENTIFICATION:

Not applicable

5. REVIEWED BY:

James D. Adams, PhD
Chemist

Environmental Processes and Guidelines Section

James D. Adams

7/9/1985

6. APPROVED BY:

Carolyn K. Offutt, Chief

Environmental Processes and Guidelines Section
Exposure Assessment Branch, HED (TS-769)

Carolyn K. Offutt

7/9/1985

7. CONCLUSIONS:

If the label for linuron use on asparagus is changed to exclude hand harvesting, human exposure to the residues will be inconsequential for that use, and the reentry data will not be necessary.

8. RECOMMENDATIONS:

Allow Du Pont the waiver from the Registration Standard requirement for reentry data with respect to asparagus with the provision that the linuron label will be altered to allow use only when the crop is machine harvested.

9. BACKGROUND:

The 6/29/84 Registration Standard for linuron required submission of reentry data. In response and subsequent to a 9/19/84 meeting with Du Pont representatives, the Registrant submitted a waiver request which I reviewed on 11/9/84. In that review, I stated that; "...exposure to linuron residues for crops such as cotton, sorghum, parsnips, wheat, carrots, and soybeans, and non-food plants is deemed to be inconsequential", but that exposure in hand harvesting of potatoes may be substantial. The conclusion was that the reentry data requirement could be waived for all uses except on potatoes. That conclusion was based on the information in the waiver request and on information presented by Du Pont at the 9/19/84. In neither case was a use on asparagus mentioned.

Mr. Arthur Schlosser, Chemist EAB, has pointed out that linuron is registered for use on asparagus which may be hand harvested. On 6/21/85 a meeting was held with Du Pont representatives to discuss reentry and other data requirements for linuron. This review is largely reiteration of the discussion at that meeting.

10. DISCUSSION:

At the 6/21/85 meeting with Du Pont representatives, it was pointed out that: 1) linuron is registered for use on asparagus; 2) that crop has been traditionally hand-harvested; and 3) that since the pre-harvest interval for linuron on that crop is one day, there would be little time for dissipation of the residues. I said that under the circumstances, reentry data would be necessary to resolve fieldworker exposure.

In response, a Du Pont representative asked if reentry data would be required if the crop is machine harvested. My response was that no significant fieldworker exposure would be expected if they are not employed for harvesting and that reentry data would not be required in that case. The Du Pont Representative offered to alter the label to obviate the reentry data requirement.

11. COMPLETION OF ONE-LINER:

Not applicable

12. CBI APPENDIX:

Not applicable