

US EPA ARCHIVE DOCUMENT



7609 / Linuron SR

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Releasable



MAR 7 1985

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Linuron, Revision of Calculation of Applicator
Body Dose from Dermal Exposure and Dermal Absorption

TO: Robert Taylor PM-25
Registration Division (TS-767)

FROM: *[Signature]* Robert P. ~~Zendzian~~ PhD, Acting head
Review Section IV
Toxicology Branch
HED (TS-769)
3/6/85
[Signature]

THROUGH: Theodore M. Farber, Chief
Toxicology Branch

Compound Linuron

Tox Chem #528

Registration #352-326

Registrant duPont

Accession #255148

This memo is a revision of page iii of the appendix of my memo of 11/7/84 on the same subject. These corrections are necessary because the data for dose was incorrectly transcribed from the exposure analysis and these incorrect numbers were used for the original calculations. Calculations under 3) are now listed as the low dose (no changes in numbers) and a new high dose is calculated under 4).

3) Applicator low exposure

11 X 10⁻³mg/kg/day, 5 hours exposure for 6 days each year

11.3% absorbed 5 hours single dose

1.2 X 10⁻³mg/kg/day

/2 correction for accumulation over 5 hours

0.6 X 10⁻³mg/kg/day

6 days/year

3.7 X 10⁻³mg/kg/year

/365 days

.0102 X 10⁻³mg/kg/day

or

10.2 X 10⁻⁶mg/kg/day

4) Applicator high exposure

15 X 10⁻³mg/kg/day, 5 hours exposure for 6 days each year

11.3% absorbed 5 hours single dose

1.69 X 10⁻³mg/kg/day

/2 correction for accumulation over 5 hours

0.85 X 10⁻³mg/kg/day

6 days/year

5.1 X 10⁻³mg/kg/year

/365 days

.0139 X 10⁻³mg/kg/day

or

13.9 X 10⁻⁶mg/kg/day