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Glyphosate / Tox

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

MEMORANDUM

MAR 16 1983

RELEASABLE

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

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

THRU: Orville E. Paynter, Ph.D.
Chief, Toxicology Branch
Hazard Evaluation Division (TS-769)

SUBJECT: Additional data on Acute Rat Inhalation Study (Acc. No. 247188; Monsanto Study#810093; DMEH Project#ML-81-201) Acc. No. 249301; Reg. No. 524-308; CASWELL#661A

Recommendation:

The study continues to be acceptable as Core-Minimum Data. The LC₅₀ is revised to 3.18 mg/L (from 3.28 mg/L) to reflect the additional datum submitted.

Review:

All conditions and data of the study remain the same as when reviewed earlier (Memo of April 28, 1982 from Dykstra to Taylor) except that a female rat from exposure group 2 (3.42 mg/L of Roundup[®], mean analytical data) which died on post-exposure day-3 was not included in the mortality count of table 1. Revised mortality for this group is 7/10 (4/5 males and 3/5 females), resulting in an LC₅₀ of 3.18 mg/L (2.95-3.73 mg/L) for combined males and females. For males the LC₅₀ was 3.05 (2.78-3.89) mg/L and for females, 3.33 (2.97-5.62) mg/L.

Toxicity Category: III

Classification: Core-Minimum Data

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