Caswell file

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Glyphosate / Tox

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

MAR 19 1985

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Glyphosate: EPA Reg. #: 524-308; Registrant's response to review of mutagenicity study
Caswell #: 661A

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

THRU: Robert P. Zendzian, Ph.D. 3/18/85
Acting Head, Review Section IV
Toxicology Branch
Hazard Evaluation Division (TS-769)

FROM: William Dykstra, Ph.D. William Dykstra 3/12/85
Toxicology Branch
Hazarad Evaluation Division (TS-769)

Recommendations:

1. The letter from Monsanto dated November 26, 1984 adequately addresses the Toxicology Branch review. The Toxicology Branch review of the in vivo bone marrow cytogenetics study of glyphosate in Sprague-Dawley rats stated that the study was unacceptable since dose-response data were not available (only a single dose) and concurrent cytotoxicity data were not available. The study number was ML-83-236.

Monsanto states in their letter that the range finding study was conducted at 200-1000 mg/kg. No cytotoxicity was produced in the range-finding study and, therefore, the single dose level of 1000 mg/kg was used.

Therefore, the study is acceptable since the previous basis of evaluation has been adequately addressed.

Review:

1. No new toxicity data were submitted.

2. A copy of the previous review is attached.

Attachment

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