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

CASWELL FILE

661A

NOV - 2 1989

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Glyphosate - 6(a)(2) Data - Cataracts in High-Dose
Male Rats in Chronic Toxicity Study - EPA Registration
No. 524-318 - Company Response

Caswell No.: 661A
Project No.: 0-0071
Record No.: 253,939

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THRU: Roger Gardner, Acting Section Head
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Requested Action

Review Monsanto's letter regarding occurrence of cataracts in high-dose male rats (20,000 ppm) in the chronic toxicity/ oncogenicity study with glyphosate.

Conclusion and Recommendation

Toxicology Branch (TB) acknowledges the preliminary findings as 6(a)(2) data and requests that the registrant submit the final assessment when the results have been fully evaluated.

Review

The letter of September 25, 1989 from G.B. Fuller of Monsanto is attached.

Summary of Letter

Preliminary results of the ophthalmological examinations in the chronic toxicity/oncogenicity study in rats with glyphosate revealed a statistically significant increase in the incidence of cataracts in male rats at the high-dose level (20,000 ppm). Histopathological examination of the tissues from these animals is in progress. These results are preliminary and have not been fully evaluated.

Conclusion

TB requests that the registrant submit the final assessment when the results have been fully evaluated.

Attachments