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

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OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

MEMORANDUM

SUBJECT: Oxyfluorfen: Goal 1.6E; Rat Teratology Study

Caswell No.: 188AAA  
ID No.: 111601-000707  
Project No.: 1-1183  
MRID No.: 418065-01  
Case No.: 2490

TO: Virginia Dietrich  
Generic Chemical Support Branch  
Special Review and Registration Division (H7505W)

and

JoAnne Miller, PM #23  
Fungicide and Herbicide Branch  
Registration Division (H7505C)

FROM: William Dykstra, Ph.D. *William Dykstra 8/14/91*  
Review Section I, TB-I, IRS  
Health Effects Division (H7509C)

THRU: Roger Gardner, Section Head *Roger Gardner*  
Review Section I, TB-I, IRS  
Health Effects Division (H7509C) *8-29-91 KB 8/30/91*

Requested Action:

Review Rat Teratology study with technical oxyfluorfen submitted in support of reregistration.

Conclusion and Recommendation:

The attached DER of the study shows highly significant skeletal malformations and variations at the dose level of 150 mg/kg/day. The NOEL for these developmental effects is 15.0 mg/kg/day.

Additionally at 150 mg/kg/day, there were highly significant maternal toxic effects in those dams with malformed fetuses.

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The NOEL for maternal toxicity was also 15.0 mg/kg/day.

The study is acceptable as core-minimum data.