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

CASWELL FILE

FEB 2 1981

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Oxyfluorfen; Goal 2E; Mouse and Rat On cogenicity Studies
CASWELL#188AAA

FROM: William Dykstra, Toxicologist
Toxicology Branch, HED (TS-769)

WPD 1/30/81 - DC
1/30/81

TO: Jolene Chinchilli
SPRD, (TS-791)

THRU: William Burnam, Acting Chief
Toxicology Branch, HED (TS-769)

WAB

Recommendations:

- 1) CAG's re-evaluation of the mouse and rat oncogenicity studies with Oxyfluorfen indicates that the high dose in each study was not reflective of the MTD. Toxicology Branch requests that the mouse and rat oncogenicity studies be repeated at the MTD for each species. These studies will address the oncogenic potential of Oxyfluorfen.

cc: Amy Rispin, HED (TS-769)
Richard Mountfort, RD, (TS-767)

TS-769:th:TOX/HED:WDYKSTRA:1-30-81:#1

1-9-81

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MEMORANDUM

SUBJECT: ~~Oxyfluorfen~~, Goal 2E; Rat Oncogenicity Study
CASWELL#188AAA

FROM: William Dykstra, Toxicologist
Toxicology Branch, HED (TS-769)

WBD JPC 11/5/81

TO: Richard Mountfort (23)
Registration Division (TS-767)
and
Tom Miller
Special Pesticide Review Division. (TS-791)

WAB

Recommendations

- 1) A review of the rat oncogenicity study showed that at the high dose of 1600 ppm, both sexes of rats had a slight decreased body weight gain during the study as shown below.

Although the decreased body weight gains for male and female rats are below 10%, the high dose of 1600 ppm is considered to be near the MTD and the study is not required to be repeated. Toxicology Branch considers that a repeat of the mouse oncogenicity study is required.

Review:

- 1) PP#2058

Week	Control		Mean Body Weight in Grams			
	Male	Female	Male	%	Female	%
0	114.9	109.3	85.5	- 24.8	104.0	- 4.8
25	510.9	298.6	500.7	- 9.8	282.4	- 5.4
57*	571.6	348.8	547.2	- 4.2	321.5	- 7.8
74	592.3	387.0	563.7	- 4.8	347.2	- 10.2
104	525.2	390.5	523.5	- 0.3	357.8	- 8.3

*Dosage increased from 800 to 1600 ppm at week 57.

PL

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