MEMORANDUM

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

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

TO: Jolene Chinchilli
SPRD, (TS-791)

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

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)
MEMORANDUM

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

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

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

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

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

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