Environmental Safety Review Summary

Chemical Name: Proul
Chemical: Penoxalin
Company: Am. Cyanamid
Submission: TEMP PERMIT 24-H EXP PETITION REGISTRATION
Date Submitted: 4/4/75 Date Received: 5/6/75

Type of Chemical: herbicide
Use: corn

Data submitted for review:

Environmental Safety:

- Mammal LD50
- Mammal chronic
- Fish
- Bird
- Shrimp, crab, oyster
- Other

Environmental chemistry (70-15):

- Fish residue
- Other

BEST AVAILABLE COPY
Conclusions:

<table>
<thead>
<tr>
<th>Formulation</th>
<th>Total Pounds</th>
<th>Total Pounds Per Acre</th>
<th>Test Plot Size</th>
<th>Method of Application</th>
<th>Rate of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 G</td>
<td>100</td>
<td>160</td>
<td>11</td>
<td>2-5</td>
<td>ground</td>
</tr>
<tr>
<td>15G</td>
<td>106.7</td>
<td>160</td>
<td>11</td>
<td>2-5</td>
<td>ground</td>
</tr>
<tr>
<td>75 WP</td>
<td>300</td>
<td>160</td>
<td>11</td>
<td>2-5</td>
<td>ground</td>
</tr>
<tr>
<td>4E Sedition</td>
<td>260</td>
<td>130</td>
<td>11</td>
<td>2-5</td>
<td>ground</td>
</tr>
<tr>
<td>4E</td>
<td>320</td>
<td>160</td>
<td>8</td>
<td>2-5</td>
<td>aerial</td>
</tr>
</tbody>
</table>

2. Label "W1, 20, 34, 38, 99" and under "General Directions" an appropriate drift statement and tank mix caution appears.

3. Permits are basically concerned with efficacy, although "data will be obtained on...any obvious effects on the environment under different climatic conditions."

4. Ney - there is supposed to be some monitoring, the above statement is not enough.

Recommendations

Route to Ney. The environmental safety review cannot be completed until the environmental chemistry review is complete. When that review is completed, return permit to environment section for full review. 5/6/75 JF

Ney says it is OK. NAE 5/9/75 JF