To provide an avian reproduction study for bobwhite quail and mallard duck.

Also an acute toxicity study for rainbow trout.

\[ N-\text{(phosphonomethyl)} \text{ glycine} \]
Pesticide Name
Glyphosate

Submission Purpose
Submission of avian reproduction and fish acute toxicity data to update files.

Chemical and Physical Properties

Chemical Name
N-(phosphonomethyl) glycine

Common Name
Glyphosate

Toxicological Properties

A) Avian Reproductive Studies

<table>
<thead>
<tr>
<th>Species</th>
<th>Dosage Levels (ppm)</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mallard Duck</td>
<td>50,200, 1000</td>
<td>No toxic symptoms</td>
</tr>
<tr>
<td>Bobwhite Quail</td>
<td>50,200, 1000</td>
<td>No toxic symptoms</td>
</tr>
</tbody>
</table>

b) Fish Acute 96 hour LC50 for rainbow trout was 86 mg/l (70-106 mg/l).

Hazard Assessment

Conclusions
The above studies have been reviewed and are considered acceptable. They have been classified as core for technical glyphosate.
May 29, 1979

Freedom of Information Request by Bureau for International Narcotics Matters for Acute and Chronic Toxicity Levels of Glyphosate for Terrestrial and Aquatic Organisms

Clayton Bushong, Chief
Ecological Effects Branch, HED

Virginia Salzman
Information Coordination Section

As per Mr. Colledge's request of May 16, 1979 enclosed is a list of the toxicity values for glyphosate from our files and a copy of the article entitled, "Toxicity of the Herbicide Glyphosate and Several of Its Formulations to Fish and Aquatic Invertebrates."

Please contact us if there are any further questions.

signed 5/30/79

Clayton Bushong