3/23/79

PP# 6P1830/PAP# 9H5203: Chlorpyrifos in Sorghum and milling fractions.
Amendment of 12/1/78.

Alfred Smith, Chemist, RCB, HED (TS-769)

F. Sanders (PM-12), RD (TS-767) and TOX, HED (TS-769)

Thru: Acting Chief, RCB

The submission contains revised tolerance proposals for residues of the insecticide chlorpyrifos, [O,O-diethyl O-(3,5,6-trichloro-2-pyridyl)phosphorothioates], and its metabolite 3,5,6-trichloro-2-pyridinol as follows.

<table>
<thead>
<tr>
<th>Item</th>
<th>Tolerance</th>
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</thead>
<tbody>
<tr>
<td>Sorghum grain</td>
<td>0.75 ppm</td>
</tr>
<tr>
<td>Sorghum forage</td>
<td>1.5 ppm</td>
</tr>
<tr>
<td>Sorghum fodder</td>
<td>6.0 ppm</td>
</tr>
<tr>
<td>Sorghum grain milling</td>
<td>1.5 ppm</td>
</tr>
<tr>
<td>fraction (bran, germ, screen)</td>
<td>1.5 ppm</td>
</tr>
</tbody>
</table>

The food additive tolerance for grain milling fractions is the only change in tolerances of this petition. The food additive tolerance responds to our request that such a tolerance was necessary (memo 9/25/78, A. Smith). This submission resolves the deficiencies of this petition.

Recommendation

Toxicological considerations permitting, we recommend for the proposed tolerances.

Alfred Smith

Using a concentration factor of 2.0 (since only 1 sample was processed, the higher factor will provide for some variability in residue levels) and the proposed grain tolerance of 0.75 ppm, we calculate a tolerance level of 1.5 ppm for the milling fractions (bran, germ, screenings).

**Recommendation**

We recommend against the tolerances as proposed. A favorable recommendation is contingent upon the petitioner's submission of a tolerance proposal to cover residues in the sorghum grain milling fractions (bran, germ, screenings) which are used in the livestock diet. A tolerance of 1.5 ppm is adequate.

Alfred Smith

cc: EEE, TOX, FDA, CHM (3)
RDI:RSQUICK:9/20/78:JGCUMMINGS:9/20/78