Memorandum

SUBJECT: PP#9F2270. Chlorpyrifos on soybeans. Amendment of 10/22/81

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Hazard Evaluation Division (TS-769)

THRU: Charles L. Trichilo, Chief
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TO: Jay Ellenberger, Product Manager No. 12
Insecticide-Pesticide Branch
Registration Division (TS-767)

In our most recent memo (6/24/81, E. Leovey) we recommended against the proposed tolerances for the following reasons:

1. We have deferred to Toxicology Branch on the need to identify apple metabolites B, C, D and E and the unidentified apple and soybean metabolites, particularly the water soluble metabolites.

2. Provided chlorpyrifos and TCP are concluded to be the only residues of concern, residues in soybeans are not expected to exceed 0.5 ppm. A 0.5 ppm tolerance should be proposed. If Toxicology Branch concludes that other residues are of concern, then additional residue data and a higher tolerance may be needed.

Toxicology Branch has recently (Section 18 for chlorpyrifos Soybeans in Ohio, memo of 8/11/81, A. Mahfouz; PP#s 9F2270 and OF2281, memo of 10/26/81, W. Dykstra) concluded that the above mentioned metabolites are not of concern. The residue of concern continues to be chlorpyrifos and TCP. This question is resolved.

With this amendment the petitioner has submitted a revised Section F in which a tolerance of 0.5 ppm is proposed for soybeans (a tolerance of 1.0 ppm had been originally been proposed). This deficiency is resolved.

A Codex sheet is attached.

Recommendation

Toxicological considerations permitting, we recommend for the proposed tolerances, as follows:

<table>
<thead>
<tr>
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<th>ppm</th>
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<tbody>
<tr>
<td>Soybeans</td>
<td>0.5</td>
</tr>
<tr>
<td>Soybean Forage</td>
<td>8</td>
</tr>
<tr>
<td>Soybean Straw</td>
<td>15</td>
</tr>
</tbody>
</table>
meat, fat, and meat byproducts of goats
1.0 ppm
meat, fat, and meat byproducts of sheep
1.0 ppm

P.M.: The soybean straw tolerance should be expressed as soybean hay to be consistent with established soybean tolerances. The existing tolerance for other livestock, poultry, eggs and milkfat are adequate to cover secondary residues resulting from this use but may need to be raised to accommodate pending uses on alfalfa (PP#OF2281) and tomatoes (FAP#H5295).
INTERNATIONAL RESIDUE LIMIT STATUS

CHEMICAL: Chlorpyrifos

CCPR NO.: 17

PETITION NO.: PP-952270

Codex Status

\[\square\] No Codex Proposal Step 6 or above

Residue (if Step 9): Chlorpyrifos

Crop(s) Limit (mg/kg)
Cattle, carcase meat (carcase fat) 2
Sheep, carcase meat (carcase fat) 0.2

Residue: Chlorpyrifos & 3,5,6-trichloropyrindinol

Crop(s) Tol. (ppm)
Soybeans 0.5
Soybean forage 8
Soybean straw 15
meat, fat and meat byproducts of goats sheep 1.0

CANADIAN LIMIT

Residue: Chlorpyrifos and 3,5,6-trichloropyridinol

Crop Limit (ppm)
Meat and meat byproducts of cattle except fat, liver and kidney (fat basis) 1.0
Fat, liver and kidney of cattle 1.0

MEXICAN TOLERANCIA

Residue:

Crop Tolerancia (ppm)
None on these items

Notes: