

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 22 1989

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: ~~PP#8H5568~~. Glyphosate in or on Dried Citrus Pulp,
Citrus Molasses, and Instant Tea.

Tolerance Revisions Pursuant to the Glyphosate
Registration Standard.

DEB#: 4685 HED#: 9-0391 MRID#: None

FROM: Maxie Jo Nelson, Ph.D., Chemist
Tolerance Petition Section I
Dietary Exposure Branch
Health Effects Division (H7509C)

mjn

THRU: Robert S. Quick, Section Head
Tolerance Petition Section I
Dietary Exposure Branch
Health Effects Division (H7509C)

RM

TO: R. Taylor/V. Walters, PM Team 25
Fungicide-Herbicide Branch
Registration Division (H7505C)

Toxicology Branch-HFA Support
Health Effects Division H7509C)

SUMMARY OF DEFICIENCIES REMAINING TO BE RESOLVED FOR DEB

None (for this petition).

CONCLUSIONS

1. Appropriate food/feed additive tolerances are being proposed for instant tea (7 ppm), dried citrus pulp (1 ppm), and citrus molasses (1 ppm).
2. The data gaps identified by footnotes #31 and #68 of the Glyphosate Registration Standard (issued June 1986) have now been satisfactorily resolved.
3. A copy of this review is being routed to SAOS/SACB/HED for TAS purposes.
4. There are no Codex or Mexican tolerances on these commodities, and the Canadian limits are too low to harmonize with.

RECOMMENDATION

Toxicological considerations permitting, DEB recommends in favor of:

- increasing the established food additive tolerance on instant tea to 7 ppm;
- increasing the established feed additive tolerance on dried citrus pulp to 1 ppm; and,
- establishing a feed additive tolerance on citrus molasses at 1 ppm.

DETAILED CONSIDERATIONSBACKGROUND

As part of an ongoing effort to comply with the data submission requirements of the Glyphosate Registration Standard (issued June 1986), Monsanto has now submitted (via this petition) proposals to revise established tolerance levels for instant tea and dried citrus pulp, and to establish a tolerance for citrus molasses.

DISCUSSION

Instant tea: On pages 64 and 76 (footnote #68) of the Glyphosate Registration Standard, the Agency recommended the current 4 ppm food additive tolerance [40 CFR 185.3500] for instant tea be increased to 7 ppm to sufficiently cover the 5-7X concentration factor from processing.

To comply with the Agency's request, Monsanto has now submitted a food additive tolerance proposal for combined residues of glyphosate and its metabolite aminomethylphosphonic acid in instant tea at 7 ppm.

The established food additive tolerance of 1 ppm for residues in dried tea did not require revision.

The information requested by the Standard (same footnote #68) on foreign distribution and label directions of glyphosate (Roundup) on tea was submitted to the Agency via transmittal letter of 9/9/87.

Therein it was stated that Roundup is distributed for use on tea plantations in Argentina, Ethiopia, India, Indonesia, Kenya, Sri Lanka, Taiwan, Tanzania, and Uganda. Copies of registered labels from those countries were included.

Citrus fruits: On pages 59 and 70 (footnote #31) of the Standard, the Agency requested additional residue data for citrus crops.

Monsanto submitted a response on 4/10/87 (MRID# 401594-01). Agency review (memo of M. Nelson, 7/20/87, copy in Glyphosate Registration Standard file) concluded the established feed additive tolerance [40 CFR 186.3500] of 0.4 ppm for dried citrus pulp should be increased to 1 ppm, and a feed additive tolerance of 1 ppm should be established for citrus molasses.

In response to that review, Monsanto has now submitted feed additive tolerance proposals for combined residues of glyphosate and its metabolite aminomethylphosphonic acid in or on dried citrus pulp at 1 ppm and in citrus molasses at 1 ppm.

The established tolerance [40 CFR 180.364(a)] of 0.2 ppm for the citrus fruits crop group did not require revision.

There are no Codex or Mexican tolerances on these commodities, and the Canadian limits are too low to harmonize with (see Attachment).

A copy of this review is being routed to SAOS/SACB/HED for TAS purposes.

ATTACHMENT: International Residue Limits Status Sheet

cc: Reviewer (M. Nelson), Reading File, Circulation (7),
PP#8H5568, R. Schmitt, SAOS/SACB/HED (R. Tomerlin),
ISB/PMSD (E. Eldredge), FDA.

H7509C:DEB:Reviewer(MJN):CM#2:Rm804:557-7423:typist(mjn):
3/22/89.

RDI:SectionHead:RSQuick:3/22/89:ActingBranchSeniorScientist:
RALoranger:3/22/89.

INTERNATIONAL RESIDUE LIMIT STATUS

J. Nelson
3/22/89

CHEMICAL Glyphosate

CODEX NO. 158

CODEX STATUS:

No Codex Proposal (on listed items)
Step 6 or above

Residue (if Step 8):
glyphosate

Crop(s) Limit (mg/kg)

PROPOSED U.S. TOLERANCES:

Petition No. 8H5568

RCB Reviewer Nelson

Residue: glyphosate + metabolite
aminomethylphosphonic acid

Crop(s) Limit (mg/kg)

instant tea 7
dried citrus pulp 1
citrus molasses 1

CANADIAN LIMITS:

No Canadian limit

Residue: _____
glyphosate

Crop(s) Limit (mg/kg)

"all food crops" 0.1 *

MEXICAN LIMITS:

No Mexican limit

Residue: _____

Crop(s) Limit (mg/kg)

* NOTES:
Negligible residue type limit