



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

R.F.
10-31-95

OCT 31 1995

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

MEMORANDUM:

SUBJECT: PP#4E4369/4H5701; ID#000524-00445. Glyphosate in/on Genetically-engineered Soybeans. Amendment in Response to Review of 6/29/95. Concurrence on Draft Federal Register Notice on the Tolerances for Glyphosate Residues on Soybeans. CBTS#'s 16,170, 16171, 16172. DP Barcode Nos. D219031, D219033, D219035. No MRID

FROM: José J. Morales, Chemist
Tolerance Petition Section II
Chemistry Branch I -- Tolerance Support
Health Effects Division (7509C)

José J. Morales
10/31/95

THROUGH: Michael Metzger, Chief
Chemistry Branch I -- Tolerance Support
Health Effects Division (7509C)

Michael S. Metzger

TO: Robert J. Taylor, PM 25
Fungicide-Herbicide Branch
Registration Division (7505C)

BACKGROUND

Monsanto Company originally submitted an application to register Roundup® herbicide (EPA Reg. No. 524-445) and Roundup® D-Pak (EPA Reg. No. 524-333) for use over-the-top of soybeans that contain the Roundup Ready® gene. Soybeans containing the Roundup Ready® gene have been genetically modified to provide tolerance to the non-selective herbicide glyphosate, which is the active ingredient in Roundup®. Also, the registrant requested the establishment of tolerances for residues of the herbicide glyphosate [N-(phosphonomethyl-glycine)] resulting from the application of the isopropylamine salt of glyphosate and/or the monoammonium salt of glyphosate in/on soybean, forage at 100 ppm and soybean, aspirated grain fractions at 50 ppm.

CBTS recommended for the establishment of the following tolerances for residues of glyphosate, *per se*, (J. Morales memo of 6/29/95):

soybeans	20 ppm
soybean forage	100 ppm
soybean hay	200 ppm
soybean aspirated grain fractions	50 ppm
soybean hulls	100 ppm

Also, a revised Section F proposing these tolerances for glyphosate only was requested in the review.

The petitioner has submitted a revised Section F proposing the above tolerances for residues of glyphosate, *per se*. Also, a draft Federal Register Notice on the tolerances for glyphosate residues on soybeans was submitted for concurrence by the Registration Division.

SUMMARY OF DEFICIENCIES THAT NEED TO BE RESOLVED

None

CONCLUSIONS AND RECOMMENDATIONS

1. No outstanding deficiencies remain.
2. CBTS concurs with the draft Federal Register Notice on the tolerances for glyphosate residues on soybeans.

DETAILED CONSIDERATIONS

As requested in J. Morales memo of 6/29/95, the petitioner has submitted a revised Section F proposing the following tolerances for residues of glyphosate, *per se*, in the following soybean commodities:

soybeans	20 ppm
soybean forage	100 ppm
soybean hay	200 ppm
soybean aspirated grain fractions	50 ppm
soybean hulls	100 ppm

Also, the petitioner submitted a request to revoke the existing glyphosate plus AMPA tolerances for soybeans and replace these tolerances with glyphosate, *per se*, tolerances.

CBTS concurs with the draft Federal Register Notice on the tolerances for glyphosate residues on soybeans.

cc: RF, Circu., José J. Morales, PP#4F4369/4H5701

7509C: Reviewer (JJM): CM#2: Rm 804-B: 305-5010: typist (JJM): 10/20/95

RDI: R. Loranger (10/20/95)