

US EPA ARCHIVE DOCUMENT



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

MAR 22 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MEMORANDUM:

SUBJECT: PP#8F3607: Glufosinate-Ammonium (IGNITE) in/on:  
Apples, Grapes, and Nuts (Except Almonds). Revised  
Section F. DP Barcode D198870. CBTS No. 13280

FROM: Joel Garbus, PhD., Chemist *Joel Garbus*  
Tolerance Petition Section III  
Chemistry Branch Tolerance Support (H7509c)

THROUGH: Debra Edwards, PhD, Chief *Debra Edwards*  
Chemistry Branch Tolerance Support  
Health Effects Division (H7509c)  
3/21/94

TO: Joanne Miller / Jesse Mays, PM-23  
Registration Division (H7505c)

and

Albin Koscialski  
CCB/HED (H7509c)

Hoechst-Celanese had requested a conditional registration and tolerances for the herbicide glufosinate-ammonium (Ignite), monoammonium 2-amino-4-(hydroxymethylphosphinyl) butanoate, and its metabolite, 3-methylphosphinicopropionic acid, expressed as 2-amino-4-(hydroxymethylphosphinyl) butanoic acid, in/on: almond hulls at 0.5 ppm; apples, grapes and nuts at 0.05 ppm; cattle fat, cattle meat, eggs, goat fat, goat meat, horse fat, horse meat, poultry meat, poultry fat, sheep fat, and sheep meat at 0.05 ppm; cattle mbypp, goat mbypp, horse mbypp, poultry mbypp, and sheep mbypp at 0.10 ppm; and milk at 0.02 ppm.

In its original petition, the petitioner had not proposed secondary animal tissue tolerances. CBTS, in its review requested the proposal of secondary tolerances for animal tissues and milk, and the submission of validated methods for animal tissues.

The need for tolerances on animal commodities arose from the potential of feeding almond hulls at 0.5 ppm. (Potential animal



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secondary residues from the feeding of treated apple and grape pomaces bearing the requested tolerance levels for these commodities would result in insignificant secondary residues.)

The petitioner has now responded by: 1) submitting revised Sections B and F that drop the use on almonds and drop almonds and almond hulls from proposed tolerances, 2) dropping the tolerance requests for animal tissues, milk, and eggs, and 3) by submitting independently validated analytical methods for animal tissues, milk, and eggs for validation by the Agency. The methods have been forwarded to our Beltsville laboratory for Agency validation, which, if successful, will allow future establishment of tolerances on animal commodities.

With these amendments of the original petition, CBTS can now recommend for the use of glufosinate on apples and grapes with tolerances for these commodities at 0.05 ppm and for nuts (except almonds) at 0.10 ppm.

cc: PP#8F3607, Reviewer, RF, and Circ.

RDI:PE:3/15/94:RAL:3/16/94:DE:3/16/94

7509C:jg:CBTS/HED:CM#2:RM805b:Garbus:(703)-305-5405:3/18/94