9-29-83

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

SEP 29 1983

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM:

SUBJECT: PP#2F2728 Iprodione on Almonds Amendment of July 11, 1983

FROM: Martin F. Kovacs, Ph.D., Chemist
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

THRU: Charles L. Trichilo, Chief
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

TO: Henry M. Jacoby
Product Manager (21)
Registration Division (TS-769)

and

Toxicology Branch
Hazard Evaluation Division (TS-769)

This amendment was submitted by Rhone-Poulenc Inc. in response to Henry M. Jacoby's July 6, 1983 letter which was based on our review (June 16, 1983 of the 2/23/83 amendment to PP#2F2728). In Deficiency No 4 of that review we recommended that the petitioner resubmit a revised Section F as follows:

Meat Fat and Meat Byproducts

Permanent tolerances are proposed for the combined residues of 3-(3, 5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidine-carboxamide and its non-hydroxylated metabolites (expressed as iprodione equivalents) in or on the following raw agricultural commodities:

Commodity	Tolerances (ppm)
Meat, fat and meat byproducts of cattle, goats, hogs, horses and sheep.	0.1

1/5

Milk

Permanent tolerances are proposed for the combined residues of 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidine-carboxamide and its non-hydroxylated and hydroxylated metabolites (expressed as iprodione equivalents) in or on the following raw agricultural commodity:

Commodity	Tolerances (ppm)
Milk	0.02

The petitioner has responded to this deficiency as follows:

Fat, Meat and, Meat Byproducts

Tolerances are proposed for the combined residues of 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1 imidazolidine-carboxamide and its non-hydroxylated metabolites (expressed as iprodione equivalents) in or on the following raw agricultural commodities:

Commodity	Tolerances (ppm)
Fat, meat and meat byproducts of cattle, goats, hogs, horses, and sheep	0.1

Milk

Tolerance is proposed for the combined residues of 3-(3,5-dichloro-phenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidine-carboxamide and its non-hydroxylated and hydroxylated metabolites (expressed as iprodione equivalents) in or on the following agricultural commodity:

Commodity	Tolerance (ppm)
Milk	0.02

The submission of the revised Section F is consistent with and satisfies RCB's Deficiency No.4 cited in the previous review (referenced above). Therefore, we consider this last remaining deficiency resolved.

Recommendations

If TOX and EAB considerations permit, we recommend for the establishment of tolerances for the combined residues of the fungicide iprodione and its non-hydroxylated metabolites in or on the raw agricultural commodities almond nutmeat at 0.05 ppm and almond hulls at 0.25 ppm; for combined residues of iprodione and its non-hydroxylated metabolites in meat, fat and meat by-products of cattle, goats, hogs, horses and sheep at 0.1 ppm and for combined residues of iprodione and its non-hydroxylated and hydroxylated metabolites in milk at 0.02 ppm.

There are no Canadian, Mexican or Codex International residue limits established for combined residues of iprodione on almonds (nutmeats and hulls).

If and when the proposed meat and milk tolerances are established, the specific metabolites to be regulated and analyzed for should be listed in the analytical method to be published in PAM.

TS-769:RCB:M.F.Kovacs:cdw:CM#2:Rm810:X77324:9/16/83
cc: R.F., Circu, Reviewer, TOX, EEB, EAB, Petition No PP#2F2728
FDA, Robert Thompson
RDI: Robert S. Quick, 9/16/83; R. Schmitt, 9/16/83

Reviewer Marty Kovacs

reaffirmed 9/16/83 J.L.

INTERNATIONAL RESIDUE LIMIT STATUS

CHEMICAL IPRODIONE

PETITION NO. 2F2728

CCPR NO. III

Codex Status

Proposed U.S. Tolerances

[ ] No Codex Proposal Step 6 or above

Residue (if Step 9):

Residue:

3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide, its isomer and hydroxylated and non-hydroxylated metabolites

parent (on other commodities)

Crop(s)	Limit (mg/kg)
None (on these commodities)	

Crop(s)	Tol. (ppm)	
Almond Nutmeat	0.05	Parent & isomer & hydroxylated and non-hydroxylated metabolites
Almond Hulls	0.25	
Meat + Meat byproducts (meat, kidney, fat, liver) of cattle, goats, hogs, horses and sheep	0.1	(Parent + non (hydroxylated (metabolites.
Milk	0.02	(Parent + hydro-(xylated and (non-hydroxy-(lated metabo-(lites.

4

CANADIAN LIMIT

Residue: _____

_____

Crop	Limit (ppm)
None (on these commodities)	

NOTES:

MEXICAN TOLERANCIA

Residue: _____

_____

Crop	Tolerancia (ppm
None	

5