

US EPA ARCHIVE DOCUMENT

Residue Chemistry Review

2/16/1995

Comments:

Subject: New Chemical- Fipronil in/on Corn RACs. Amendment of 2/9/95. MRID#s none. Case 285247. CBTS# 15107.

Document

Class:

Product

Chem:

Residue 860.1200 Directions for use

Chem: 860.1550 Proposed tolerances

Biochemicals:

DP Barcode: D212069

MRIDs:

PC Codes: 129121 1H-Pyrazole-3-carbonitrile, 5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-((trifluoromethyl)sulfi
Actives/Inerts

CAS #: 120068-37-3

Commodities: Corn

Administrative 3G04263

#:

Reviewers: G. F. Kramer

Review R. B. Perfetti

Approved on: February 16, 1995

Approver:

WP Document:  - Fipronil_013.wpd

MEMORANDUM

SUBJECT: PP# 3G04263. New Chemical- Fipronil in/on Corn RACs.
Amendment of 2/9/95. MRID#s none. Barcode D212069.
Case 285247. CBTS# 15107.

FROM: G.F. Kramer, Ph.D., Chemist
Tolerance Petition Section III
Chemistry Branch I, Tolerance Support
Health Effects Division (7509C)

THRU: R.B. Perfetti, Ph.D., Acting Section Head
Chemistry Branch I, Tolerance Support
Health Effects Division (7509C)

TO: Rebecca Cool, Acting Product Manager
Marion Johnson, Team 10 Reviewer
Registration Division (7505C)

Rhône-Poulenc has submitted an application for an EUP and temporary tolerances for the insecticide fipronil (5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1R,S)-(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile) and its metabolites MB46136 (5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfonyl]-1H-pyrazole-3-carbonitrile) and MB45950 (5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]-1H-pyrazole-3-carbonitrile) on/in corn. The petitioner has proposed the following tolerances for corn RACs (expressed as parent and/or metabolites MB45950 and MB46136):

Corn, Field, Grain - 0.02 ppm

The current amendment addresses the deficiencies identified in CBTS' previous reviews (Memos, G. Kramer 6/7/94 & 2/8/9).

CONCLUSIONS/RECOMMENDATIONS

Section F has been revised as requested. Tox considerations permitting, CBTS recommends in favor of the proposed temporary tolerance of 0.02 ppm for fipronil or its metabolites MB46136 or MB45950 on field corn grain.

DETAILED CONSIDERATIONS

Deficiency - Conclusion 9b (from Memo, G. Kramer 6/7/94)

9b) The registrant has proposed tolerances in grain and forage based on the sum of the LOQ of each metabolite as the observed residues were below the LOQ. In the case of fodder, the actual residue levels were used for MB46136. However, if tolerances are proposed for fipronil or its metabolites, then the LOQ can be used for the tolerances. Also, due to the feeding restrictions on the label, tolerances for stover and forage are not necessary for this EUP. The registrant should thus propose a tolerance for "fipronil or its metabolites MB45950 or MB46136" of 0.02 ppm in/on Corn, field, grain. **A revised Section F which includes these tolerances is required for this EUP.** This revised Section F should also contain the chemical names of fipronil, MB45950 and MB46136.

Petitioner's Response: The petitioner is now proposing the following tolerances for corn RACs (expressed as parent or its metabolites MB45950 or MB46136):

Corn, Field, Grain - 0.02 ppm

The chemical names of fipronil and its metabolites MB45950 and MB46136 are included in the revised Section F.

CBTS' Conclusion: The tolerance expression has been revised as requested. This deficiency is now resolved.

cc: PP#3G04263, Kramer, circ., R.F.
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