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

JAN 12 1993

PP# 4F3008

1/12/93

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

SUBJECT: PP#4F3008/FAP#1H5295. Chlorpyrifos on Tomatoes, Beans, Peas, and Soybean. Revised Section F. CBRS # 10973. DP Barcode: D185266.

FROM: Leung Cheng, Chemist *Lee Cheng*
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THROUGH: Francis B. Suhre, Section Head *Francis B. Suhre*
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TO: Dennis Edwards/Carl Andreasen, PM #19
Registration Branch
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DowElanco has submitted a revised Section F attached to its letter of 11/4/92 stating,

"A tolerance for residues of the insecticide chlorpyrifos [O,O-diethyl O-(3,5,6-trichloro-2-pyridyl)phosphorothioate] is proposed for addition to 40 CFR 180.342 as follows:

- 1 part per million in or on tomatoes
- 0.1 part per million in or on bean hay
- 0.1 part per million in or on pea hay
- 0.1 part per million in or on soybean hay

Under the provisions of Section 409 of the Federal Food, Drug, and Cosmetic Act a feed additive tolerance for residues of the insecticide chlorpyrifos [O,O-diethyl O-(3,5,6-trichloro-2-pyridyl)phosphorothioate] is proposed for addition to 40 CFR 186.1000 as follows:

65 parts per million in or on tomato pomace (wet or dry) intended for animal feed when present therein as the result of application of the insecticide to growing tomatoes."

The registrant's submission was prompted by a letter (10/14/92) from SRRD which asked DowElanco to submit a petition package for bean hay, pea hay and soybean hay within 30 days.

According to the addendum to the Residue Chemistry chapter of the Chlorpyrifos Second Round Review (SRR) (1/13/89, D. Edwards), the registrant must propose a tolerance revision on tomatoes such that only residues of the parent compound are covered, and the established level of 0.5 ppm should not be reduced since the majority of the residues in our data base consist of the parent.

PP#4F3008/FAP#1H5295 is a petition package on tomatoes. In a RCB (PP#1H5295, K. Arne, 11/20/81) review, it was noted that residues of chlorpyrifos per se ranged up to 0.66 ppm in tomatoes. A later review (K. Arne, 11/21/83) concluded that, on the basis of a 65x concentration factor in producing dry tomato pomace, a tolerance of 100 ppm of which no more than 65 ppm is chlorpyrifos proposed by the registrant for tomato pomace would be adequate. Currently there is no chlorpyrifos tolerance for tomato pomace.

Also, the 1/13/89 addendum required the registrant to propose a tolerance on bean hay, and to propose tolerances on pea and soybean hay based on the bean hay residue data. These tolerances should consist of the parent compound only.

In our review of 5/19/92, CBRS concluded that residues of chlorpyrifos per se in bean hay ranged up to 0.071 ppm. In a subsequent telephone conversation between the registrant and CBRS (10/27/92, R. Bischoff and L. Cheng), DowElanco was informed that a tolerance of 0.1 ppm on bean hay would be appropriate.

CONCLUSIONS AND RECOMMENDATION

The tolerances proposed by the registrant for residues of chlorpyrifos per se in/on tomatoes (1.0 ppm), bean hay (0.1 ppm), pea hay (0.1 ppm), soybean hay (0.1 ppm), and tomato pomace (65 ppm) are appropriate.

TOX considerations permitting, CBRS recommends that 40 CFR 180.342 and 186.1000 be amended to reflect these changes or additions.

cc:Circ, RF, Reg Std F, PP#4F3008, FAP#1H5295, Cheng, MFlood (CBTS)
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