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

NOV 24 1993

MEMORANDUM

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: PP#2G4048. Phostebupirim in/on Corn Commodities.
Request for Extension of Temporary Tolerances.
CBTS: 12583 DP#: D195172 MRID: N/A

PP#2G4049. Cyfluthrin in/on Corn Commodities.
Request for Extension of Temporary Tolerances.
CBTS: 12584 DP#: D195173 MRID: N/A

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THRU: Debra Edwards, Ph.D., Chief
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TO: M. Mautz/R. Forrest, PM Team 14
Insecticide-Rodenticide Branch
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and

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Chemical Coordination Branch
Health Effects Division (7509C)

BACKGROUND

By letter dated 8/26/93, the petitioner, Miles Inc., requests a renewal of the EUP (3125-EUP-202) previously granted for the use of AZTEC 2.1% Granular on corn.

In conjunction with this EUP renewal, Miles Inc. also requests a one year extension (to 12/31/94) of the temporary tolerances granted for **phostebupirim** (MAT 7484 Technical; pending registration under EPA File Symbol 3125-URR) and **cyfluthrin** (Baythroid Technical, EPA Reg. No. 3125-356), the two active ingredients of AZTEC 2.1%G, which were established (PP#s 2G4048 and 2G4049, respectively) in association with the referenced EUP. Those temporary tolerances, for residues in/on corn matrices, are currently set to expire 12/31/93.



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DISCUSSION

The proposed EUP program for 1994 will consist of the treatment of 10,000 acres of corn located in 14 states with AZTEC 2.1% Granular. The total quantity of formulated product involved is 73,000 lbs (1533 lbs ai). The purpose of the EUP is to generate efficacy data.

AZTEC 2.1%G will be used at planting (in-furrow, incorporated band, or T-band) at a rate of 6.7 oz formulated product/1000 ft of row. The maximum use rate per acre, based on the narrowest row spacing of 30", is 7.3 lbs/A.

In terms of ai's, the rates are 0.0084 lb phostebupirim and 0.00042 lb cyfluthrin per 1000 ft of row, or, for the narrowest row spacing of 30", the maximum rate per acre will be 0.146 lb phostebupirim and 0.0073 lb cyfluthrin.

The use pattern, use rates, and maximum/acre are identical to those used in the previous EUP and for the establishment of the existing temporary tolerances for residues of phostebupirim and cyfluthrin in/on corn matrices.

For details of previously submitted information on the nature of the residue, analytical methodology, magnitude of the residue, et al., in support of the original EUP refer to the CBTS (M. Nelson) reviews of 4/5/93 and 5/18/93 for phostebupirim (PP#2G4048) and 3/9/93 for cyfluthrin (PP#2G4049). No additional data/information have been provided with this EUP extension request.

CONCLUSIONS

1. CBTS has no objection to the proposed one-year extension of 3125-EUP-202 to permit application of AZTEC 2.1%G to corn.
2. CBTS has no objection to the requested one-year extension of the current temporary tolerances for residues of phostebupirim and of cyfluthrin in/on corn matrices.
- 3a. CBTS notes (see 7/30/93 review, PP#1F4025) product chemistry deficiencies still remain to be resolved before CBTS can recommend in favor of permanent tolerances for phostebupirim residues in/on corn matrices.
- 3b. CBTS notes (see 3/9/93 review, PP#1F4026) it has recommended favorably for the establishment of permanent tolerances for cyfluthrin residues in/on corn matrices at such time as the phostebupirim tolerances may concurrently be established.
4. An additional DRES run is not needed in conjunction with the extension of the requested EUP and temporary tolerances.

RECOMMENDATION

Toxicological considerations permitting, CBTS recommends in favor of the requested one-year extension (to 12/31/94) for 3125-EUP-202 and for the current **temporary** tolerances for residues of phostebupirim and of cyfluthrin in/on:

Corn, fresh, includes sweet.....@	0.01 ppm
Corn, grain, field and pop.....@	0.01 ppm
Corn, forage and fodder, field, pop, and sweet...@	0.01 ppm

For further consideration of the **permanent** tolerances request (PP# 1F4025) for phostebupirim, the petitioner must address outstanding product chemistry deficiencies (see 7/30/93 review).

cc: M. Nelson, RF, Circ, PP#2G4048, PP#2G4049.

7509C:CBTS:MJN:mjn:CM#2:804:305-7324:4048MAT.RC3:11/24/93.
RDI:SecHd&ActgBrChf:RSQuick:11/24/93