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

OFFICE OF
PREVENTION, PESTICIDES, AI
TOXIC SUBSTANCES

**MEMORANDUM**

DATE: 24-SEP-1999

SUBJECT: PP# 8F04980. **Chlorfenapyr (i.e. Chlorfenapyr Insecticide Cattle Ear Tag) in/on Meat & Milk.** Amendment of 9/7/99. Revised Section F. MRID# none. Barcode D259238. Chemical 129093. Case 290113. Submission S567814.

FROM: George F. Kramer, Ph.D., Chemist
Registration Action Branch 1
Health Effects Division (7509C)

THROUGH: Melba Morrow, D.V.M., Branch Senior Scientist
Registration Action Branch 1
Health Effects Division (7509C)

TO: Arnold Layne/Ann Sibold
Registration Division (7505C)

American Cyanamid Company has petitioned for permanent tolerances for residues of the insecticide/miticide chlorfenapyr [4-bromo-2-(chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile] in conjunction with the registration of Chlorfenapyr Insecticide Cattle Ear Tag as follows:

| | |
|---|---|
| Milk | 0.01 ppm |
| Milk Fat | 0.02 ppm |
| Cattle Meat | 0.01 ppm |
| Cattle Fat | 0.03 ppm |
| Cattle Meat Byproducts | 0.05 ppm |

Time-limited tolerances (in conjunction with a Section 18 registration on cotton) have been established for: cottonseed (0.5 ppm); Cotton gin byproducts (2.0 ppm); Fat* (0.10 ppm); meat byproducts* (0.3 ppm); Meat* (0.01 ppm); Milk (0.01 ppm); Milk fat (0.15 ppm) [40 CFR §180.513(b); expires 1/31/01]. *of beef, goat, swine, horse and sheep

The current amendment addresses deficiencies identified in HED's previous review (Memo, G. Kramer 8/19/99; D247483).

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## Executive Summary of Chemistry Deficiencies

• None •

## CONCLUSIONS/RECOMMENDATIONS

**HED concludes there are no residue chemistry data requirements that would preclude the establishment of the proposed permanent tolerances for chlorfenapyr in/on milk and cattle RACs.** As previous HED risk assessments have included meat and milk tolerances at higher values than those proposed in this action, a new risk assessment will not be required for this petition.

*HED notes that meat and milk tolerances which are higher than those proposed in this petition have been established on a time-limited basis under [40 CFR §180.513(b) and proposed in PP#s 6E4683, 6F4623, and 5F4456. If any of these tolerances are established on a permanent basis, then the meat and milk tolerances proposed in this petition will not be necessary.*

## DETAILED CONSIDERATIONS

### Deficiency - Conclusion 7 (from Memo, G. Kramer 8/19/99; D247483)

7. Holstein dairy cows were tagged with chlorfenapyr with 2 ear tags. Samples were analyzed with method M 2405 (LOQ = 0.05 ppm) for liver and kidney; M 2398 (LOQ = 0.01 ppm) for muscle, fat, and milkfat; and M2395.01 (LOQ = 0.01 ppm) for milk. Quantifiable residues were observed only in milkfat (0.018 ppm) and fat (0.020 ppm). Based on the results of this study, the appropriate tolerances are:

| | |
|---|---|
| Milk | 0.01 ppm |
| Milk Fat | 0.02 ppm |
| Cattle Meat | 0.01 ppm |
| Cattle Fat | 0.03 ppm |
| Cattle Meat Byproducts | 0.05 ppm |

**A revised Section F is thus required for this petition.**

**Petitioner's Response:** Submission of a revised Section F.

**HED's Conclusion:** The requested information has been provided. This deficiency is now resolved.

cc: PP#8F04980, G. Kramer (RAB1)
RDI: M. Morrow (9/24/99), Team (9/23/99)
G.F. Kramer:806T:CM#2:(703)305-5079:7509C:RAB1

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• None •

## CONCLUSIONS/RECOMMENDATIONS

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