1-24-84

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

JAN 24 1984

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

Subject: PP#3F2884/FAP#3H5396: Chlorpyrifos on several commodities. Amendment of 12/15/83.

FROM: Karl H. Arne, Chemist KHArne
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

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

TO: J. Ellenberger/B.Comfort, Team No. 21
Registration Division
and
Toxicology Branch
Hazard Evaluation Division

This petition proposes to revise several established chlorpyrifos tolerances to separately specify the level of chlorpyrifos, per se. In our initial review (memo of 9/8/83, K. Arne) we recommended for some of the proposed changes, but required that others be either deleted or revised in a new Section F. With this amendment the petitioner has submitted a revised Section F (attached) that includes the requested revisions, except that for meat and milk the higher tolerances we suggested with FAP#1H5295 (memo of 11/21/83, K.Arne), chlorpyrifos on tomatoes, have been substituted.

Recommendation

Toxicological considerations permitting, we recommend for the proposed tolerance revisions.

Attachment

TS-769:RCB:KHA:CM-2:Rm810:557-7377
CC:RF,KHA,Circ.,TOX,FDA,EAB,EEB,Thompson,PP#3F2884,FAP#3H5396
RDI: A. Smith, 1/19/84; RDS, 1/20/84

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Revised on December 15, 1983

SECTION F. PROPOSED TOLERANCES FOR THE PESTICIDE CHEMICAL

Tolerances for combined residues of the insecticide chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl)phosphorothioate] and its metabolite 3,5,6-trichloro-2-pyridinol are proposed as revisions to 40 CFR 180.342 as follows:

15 parts per million (of which no more than 13 ppm is chlorpyrifos) in or on alfalfa, hay;

0.05 part per million (of which no more than 0.01 ppm is chlorpyrifos) in or on bananas, pulp with peel removed;

1 part per million (of which no more than 0.7 ppm is chlorpyrifos) in or on bean forage;

2 parts per million (of which no more than 1 ppm is chlorpyrifos) in or on broccoli;

2 parts per million (of which no more than 1 ppm is chlorpyrifos) in or on Brussels sprouts;

2 parts per million (of which no more than 1 ppm is chlorpyrifos) in or on cabbage;

2.5 parts per million (of which no more than 2.0 ppm is chlorpyrifos) in or on cattle, meat, fat and meat byproducts;

2 parts per million (of which no more than 1 ppm is chlorpyrifos) in or on cauliflower;

2 parts per million (of which no more than 1 ppm is chlorpyrifos) in or on cherries;

2 parts per million (of which no more than 1 ppm is chlorpyrifos) in or on Chinese cabbage;

0.1 part per million (of which no more than 0.05 ppm is chlorpyrifos) in or on corn, field, grain;

0.1 part per million (of which no more than 0.05 ppm is chlorpyrifos) in or on corn, fresh (inc. sweet, K+CWHR);

10 parts per million (of which no more than 8 ppm is chlorpyrifos) in or on corn, forage and fodder;

0.5 part per million (of which no more than 0.2 ppm is chlorpyrifos) in or on cottonseed;

0.1 part per million (of which no more than 0.05 ppm is chlorpyrifos) in or on cucumbers;

0.1 part per million (of which no more than 0.01 ppm is chlorpyrifos) in or on eggs;

0.1 part per million (of which no more than 0.01 ppm is chlorpyrifos) in or on figs;

2.0 parts per million (of which no more than 1.0 ppm is chlorpyrifos) in or on goats, meat, fat and meat byproducts;

0.5 part per million (of which no more than 0.3 ppm is chlorpyrifos) in or on hogs, meat, fat and meat byproducts;

1.5 parts per million (of which no more than 0.8 ppm is chlorpyrifos) in or on horses, meat, fat and meat byproducts;

0.5 part per million (of which no more than 0.25 ppm is chlorpyrifos) in or on milk, fat;

0.03 part per million (of which no more than 0.02 ppm is chlorpyrifos) in or on milk, whole;

1 part per million (of which no more than 0.8 ppm is chlorpyrifos) in or on mint, hay;

0.05 part per million (of which no more than 0.01 ppm is chlorpyrifos) in or on nectarines;

0.05 part per million (of which no more than 0.01 ppm is chlorpyrifos) in or on peaches;

1 part per million (of which no more than 0.7 ppm is chlorpyrifos) in or on pea forage;

15 parts per million (of which no more than 2 ppm is chlorpyrifos) in or on peanut hulls;

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0.5 part per million (of which no more than 0.2 ppm is chlorpyrifos) in or on peanuts;

0.05 part per million (of which no more than 0.01 ppm is chlorpyrifos) in or on pears;

0.05 part per million (of which no more than 0.01 ppm is chlorpyrifos) in or on plums, inc. fresh prunes;

0.5 part per million (of which no more than 0.1 ppm is chlorpyrifos) in or on poultry, meat, fat and meat byproducts (inc. turkeys);

0.1 part per million (of which no more than 0.05 ppm is chlorpyrifos) in or on pumpkins;

3 parts per million (of which no more than 2 ppm is chlorpyrifos) in or on radishes;

3 parts per million (of which no more than 0.5 ppm is chlorpyrifos) in or on rutabagas;

0.1 part per million (of which no more than 0.05 ppm is chlorpyrifos) in or on seed and pod vegetables;

2.0 parts per million (of which no more than 1.0 ppm is chlorpyrifos) in or on sheep, meat, fat and meat byproducts;

6 parts per million (of which no more than 4 ppm is chlorpyrifos) in or on sorghum, fodder;

1.5 parts per million (of which no more than 1 ppm is chlorpyrifos) in or on sorghum, forage;

0.75 part per million (of which no more than 0.3 ppm is chlorpyrifos) in or on sorghum, grain;

0.5 part per million (of which no more than 0.3 ppm is chlorpyrifos) in or on soybeans;

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0.5 part per million (of which no more than 0.2 ppm is chlorpyrifos) in or on strawberries;

0.25 part per million (of which no more than 0.2 ppm is chlorpyrifos) in or on sunflower seeds;

0.1 part per million (of which no more than 0.05 ppm is chlorpyrifos) in or on sweet potatoes;

1 part per million (of which no more than 0.3 ppm is chlorpyrifos) in or on turnip greens; and

3 parts per million (of which no more than 1 ppm is chlorpyrifos) in or on turnips.

Under the provisions of Section 409 of the Federal Food, Drug, and Cosmetic Act food additive tolerances for combined residues of the insecticide chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate] and its metabolite 3,5,6-trichloro-2-pyridinol are proposed as revisions to 21 CFR 193.85 as follows:

3 parts per million (of which no more than 1.5 ppm is chlorpyrifos) in or on corn oil;

10 parts per million (of which no more than 8 ppm is chlorpyrifos) in or on mint oil; and

1.5 parts per million (of which no more than 0.4 ppm is chlorpyrifos) in or on peanut oil.

Under the provisions of Section 409 of the Federal Food, Drug, and Cosmetic Act feed additive tolerances for combined residues of the insecticide chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate] and its metabolite 3,5,6-trichloro-2-pyridinol are proposed as revisions to 21 CFR 561.98 as follows:

1 part per million (of which no more than 0.5 ppm is chlorpyrifos) in or on corn soapstock;

1.5 parts per million (of which no more than 0.8 ppm is chlorpyrifos) in or on sorghum, grain, milling fractions;

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5 parts per million (of which no more than 0.5 ppm is chlorpyrifos) in or on sugar beets, dried pulp;

15 parts per million (of which no more than 0.01 ppm is chlorpyrifos) in or on sugar beets, molasses; and

0.5 part per million (of which no more than 0.4 ppm is chlorpyrifos) in or on sunflower seed, hulls.

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