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

MAY 28 1987

OFFICE OF  
PESTICIDE AND TOXIC SUBSTANCES

MEMORANDUM

**EXPEDITE**

**SUBJECT:** PP#'s 4F3074. Propiconazole (Tilt®, Banner®, or CGA-64250®) on Crops and Livestock Commodities. Revised Sections F and B. Amendment of May 12, 1987. No MIRD Numbers. RCB No 2303.

**FROM:** Sami Malak, Ph.D., Chemist *Sami Malak*  
Tolerance Petition Section III  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769C)

**TO:** Lois Rossi, PM #21  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

and

Toxicology Branch  
Hazard Evaluation Division (TS-769)

**THRU:** Philip V. Errico, Section Head *Philip V. Errico*  
Tolerance Petition Section III  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769C)

Note: This is an expedited review at the request of the Registration Division's Director, Mr. E. F. Tinsworth (Letter of 4/14/87).

Ciba-Geigy responded to two outstanding deficiencies cited in RCB memo of subject petition (S. Malak, 5/14/87) and submitted revised Sections F and B. In the discussion to follow, we list each deficiency followed by the petitioner's response and RCB's comments.

Deficiency # 2 (under Conclusions)

The petitioner must revise their feeding restriction to

read "Do not graze or feed livestock on treated forage, or harvest treated crop for hay or silage." The "straw" statement may remain or be changed to "Straw may be used for feed or bedding."

Petitioner's Response

The petitioner responded with a revised Section B in which the following feeding restriction was revised to read "Do not graze or feed livestock on treated forage, or harvest treated crop for hay or silage. Straw may be used for feed or bedding."

RCB's Comments

The petitioner complied with our comments by incorporating a revised feeding restriction as instructed.

This resolves deficiency #2.

Deficiency # 3(b) (under Conclusions)

The petitioner must submit a revised Section F for PP#4F3074, proposing the following tolerances in lieu of the originally proposed 0.1 ppm for the kidney and liver of cattle, goats, hogs, horses, poultry, and sheep:

0.2 ppm for the liver and kidney of cattle, goats, hogs, horses, poultry, and sheep.

0.1 ppm for the meat, fat, and meat byproducts (except liver and kidney) of cattle, goats, hogs, horses, poultry, and sheep.

0.1 ppm for eggs

0.05 ppm for milk

Petitioner's Response

The petitioner responded with a revised Section F proposing establishment of permanent tolerances for residues of the fungicide, propiconazole, (Tilt®, Banner®, or CGA-64250®), 1-[[2-(2,4dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole and its metabolites determined as 2,4-dichlorobenzoic acid and expressed as the parent in or on the following raw agricultural commodities:

- 0.1 ppm for the grains of barley, rye, and wheat.
- 0.1 ppm for rice grain.
- 1.5 ppm for the straws of barley, rye, and wheat.
- 3.0 ppm for rice straw.
- 0.2 ppm for the kidney and liver of cattle, goats, hogs, horses, poultry, and sheep.
- 0.1 ppm for the fat, meat, and meat byproducts (except kidney and liver) of cattle, goats, hogs, horses, poultry, and sheep.
- 0.1 ppm for eggs
- 0.05 ppm for milk

RCB's Comments

The petitioner complied with our comments by proposing appropriate tolerances for livestock commodities as directed and re-iterated the previously proposed tolerances for crops.

This resolves deficiency #3(b).

Notes

1. Deficiency #4 dealing with revisions in the Analytical Methods, was resolved and discussed in a separate memo (subject petition, S. Malak, 5/15/87).
2. All deficiencies in subject petition, PP#4F3007, and PP#4E3026 are now resolved.

Recommendations

1. TOX and EAB considerations permitting, RCB has no objections for establishment of the following permanent tolerances for residues of the fungicide, propiconazole, (Tilt®, Banner®, or CGA-64250®), 1-[[2-(2,4dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1-H-1,2,4-triazole and its metabolites determined as 2,4-dichlorobenzoic acid and expressed as the parent in or on the following raw agricultural commodities:

° PP#4F3074:

0.1 ppm for the grains of barley, rye, and wheat.

0.1 ppm for rice grain.

1.5 ppm for the straws of barley, rye, and wheat.

3.0 ppm for rice straw.

0.2 ppm for the kidney and liver of cattle, goats, hogs, horses, poultry, and sheep.

0.1 ppm for the fat, meat, and meat byproducts (except kidney and liver) of cattle, goats, hogs, horses, poultry, and sheep.

0.1 ppm for eggs

0.05 ppm for milk

2. In our memo of subject petition (S. Malak, 5/15/87), we recommended for establishment of the following permanent tolerances:

° PP#4F3007: 0.1 ppm for Pecans.

° PP#4E3026: 0.2 ppm for bananas.

cc: Circu, RF. SF (propiconazole, Banner®, Tilt®, or CGA-64250®), S. Malak, PP#4F3007, PP#4F3074, PP#4E3026, PM #21, Robert Thompson (RTP), FDA, EAB, and PMSD/ISB.

RDI:P. V. Errico:5/28/87:R. D. Schmitt:5/28/87  
TS-769C:RCB:CM#2:RM814A:S.Malak:X557-4379:5/27/87.