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

# MAR | 6 1989

OFFICE OF PESTICIDES AND TOXIC SUBSTANCES

#### **MEMORANDUM**

SUBJECT: PP#7E3566. Methidathion in or on Kiwifruit.

Amendment of December 2, 1988.

DEB#: 4769 HED#: 9-0585 MRID#: 409313-00, -01

FROM: Maxie Jo Nelson, Ph.D., Chemist

Tolerance Petition Section I my

Dietary Exposure Branch

Hazard Evaluation Division (H7509C)

THRU: Robert S. Quick, Section Head

Tolerance Petition Section I

Dietary Exposure Branch

Hazard Evaluation Division (H7509C)

TO: Hoyt Jamerson, PM Team 43

Registration Support Branch
Registration Division (H7505C)

# SUMMARY OF DEFICIENCIES REMAINING TO BE RESOLVED FOR DEB

None.

#### CONCLUSIONS

- Additional frozen storage stability data have been submitted. This deficiency is now resolved for this petition.
- 2. We can now conclude the proposed tolerance of 0.1 ppm for residues of methidathion in/on kiwifruit is appropriate.
- 3. No other deficiencies remain outstanding from DEB for this petition.
- 4. A copy of this review is being routed to SAOS/SACB/HED for TAS purposes.

## RECOMMENDATION

Toxicological considerations permitting, DEB recommends in favor of the establishment of the proposed tolerance (with regional registration limited to CA) of 0.1 ppm for residues of methidathion in or on kiwifruit.

## DETAILED CONSIDERATIONS

### **BACKGROUND**

By transmittal letter dated 12/2/88, the petitioner (IR-4) has submitted a report on a one-year frozen storage stability study with methidathion on three crops (and a 23-month frozen storage stability study in soil).

The need for additional frozen storage stability data was raised by DEB as a deficiency in its earlier review (11/30/87) of this petition.

#### DISCUSSION

Data are now provided on the freezer stability of alfalfa forage and hay, corn grain, cottonseed and cottonseed oil for up to one year following fortification with 0.5 ppm of methidathion and its 0-analog (GS-13007).

Results are summarized in the Attachment appended hereto.

These additional data are adequate to resolve the deficiency raised in our earlier review (M. Nelson, 11/30/87).

We can now conclude that the proposed tolerance (with regional registration limited to CA) of 0.1 ppm for residues of methidathion in or on kiwifruit will be appropriate.

No other deficiencies remain outstanding from DEB for this petition.

A copy of this review is being routed to SAOS/SACB/HED for TAS purposes.

ATTACHMENT (page 5 from MRID# 409313-01)

- CC: Reviewer (M. Nelson), Reading File, Circulation (7), PP#
  7E3566, TOX-IR, SAOS/SACB/HED, ISB/PMSD (E. Eldredge), FDA,
  R. Schmitt.
- # H7509C:DEB:Reviewer(MJN):CM#2:Rm804:557-7423:typist(mjn): 3/15/89.
  - RDI:SectionHead:RSQuick:3/16/89:ActingBranchSeniorScientist: RALoranger:3/16/89.

Date Received:

Date Extracted: 7/87 - 7/88

Date Analyzed: 7/87 - 7/88

Analyst: MWC for FG 9/36/88 EN-CAS

Method of Analysis: AG-477

Analysis Approved By:

M.W. Channe

Date Approved: 9/38/88