



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

SEP 15 1988

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Azinphos-methyl (Guthion®; EPA Reg. No. 3125-108)  
amendment to reduce the PHI for almonds.  
No MRID No. Branch No. 4328.

FROM: Kenneth W. Dockter, Chemist *Kenneth W. Dockter*  
Special Registration Section I  
Dietary Exposure Branch  
Health Effects Division (TS-769)

THRU: A.R. Rathman, Section Head *ARR*  
Special Registration Section I  
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Health Effects Division (TS-769)

TO: Dennis H. Edwards, Jr./Portia M. Jenkins, PM#12  
Registration Division (TS-767)

Data, "submitted in 1987", by Mobay Chemical Corporation at the request of the state of California for our review is claimed by that State to support a 28-day PHI for Guthion on almonds. At the Agency's request, CA-820045 had been withdrawn for potential tolerance exceeding residues on almond hulls. Hence, this current request now constitutes a proposed amendment to the registration of Mobay's product, EPA Reg. No. 3125-108, to revise its use pattern on almonds.

This is the fifth submission proposing this revision.

The Azinphos-Methyl (Guthion) Registration Standard Product and Residue Chemistry Chapters were transmitted on 4/4/86.

Tolerances for the active ingredient azinphos-methyl [O,O-di-methyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate] exist at 0.3 on almonds and at 10.0 on almond hulls (40 CFR 180.154). A tolerance of 0.04 (N) ppm exists in milk (180.154a).

The currently registered use permits two applications, 30 days apart, at the rate of 0.375-0.5 lb ai/100 gallons with a maximum of 500 gallons of spray per acre. A 60-day PHI is in effect. Grazing is not permitted for 21 days after treatment.

The proposed amendment would reduce the PHI to 28 days.

The "1987-submitted" data-package, 24 studies, is a resubmission the 1981 data-package.

We reiterate (from memoranda: E. Zager-2/12/82, L. Propst-11/3/82, W. Anthony-7/9/86, and W. Anthony-8/19/87) that these 1981(7) data cannot counter the available data showing residues exceeding the tolerance at PHIs less than 60 days.

Therefore, we continue to recommend against a 28-day PHI.

cc: K. Dockter (RCB), Azinphos-Methyl SF, Amended Use File,  
E. Eldredge (ISB/PMSD), Circulation (7), RF.  
RDI:Section Head:ARRathman>Date:9/15/88:RDSchmitt>Date:9/15/88  
TS-769:RCB:Reviewer:KWDockter:RM:802:CM#2:edited by kwd>Date:9/15/88