



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

MAY 5 1987

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Comments on Proposed Rule: Tolerances for Dimethoate in or
on the Brassica (Cole) Leafy Vegetable Crop Group
(PP 6E3323/P)

TOX. CHEM. NO.: 358

TO: Mr. Hoyt Jamerson, ERMUS/RSERB/RD
(TS-767C) - Rm. 716-A, CM-2

FROM: Karen L. Hamernik, Ph.D., Pharmacologist
Section VII, Toxicology Branch
Hazard Evaluation Division (TS-769C)

*KLH
5-1-87*

THRU: Albin B. Kocialski, Ph.D., Supervisory Pharmacologist
Section VII, Toxicology Branch
Hazard Evaluation Division (TS-769C)

I was asked to provide a brief summary of the Dimethoate mutagenicity data for the proposed rule. Because of his expertise in this area, I referred the request to Irving Mauer, Ph.D., Toxicology Branch Geneticist. His comments are attached.

For DIMETHOATE Federal Register Notice (Tolerances): (Mutagenicity)

Because of the low potency shown in submammalian genotoxicity assays, and the lack of any substantive mutagenic activity in mammalian assays, the Agency concludes that dimethoate has a relatively low mutagenic potential.

J. Mauer
5-1-87