



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

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AUG 1 1990

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

SUBJECT: Occupational Exposure Resulting From Proposed
Application of Avermectin to Pears (INTRA-0055)

TO: Adam Heyward, PM15
Insecticide/Rodenticide Branch
Registration Division (H7505C)

FROM: Curt Lunchick *Curt Lunchick*
Environmental Chemistry Review Section
Non-Dietary Exposure Branch/HED (H7509C)

THRU: Michael P. Firestone, Ph.D., Section Head *Michael P. Firestone*
Environmental Chemistry Review Section
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Charles L. Trichilo, Ph.D., Chief *Charles L. Trichilo*
Non-Dietary Exposure Branch/HED (H7509C)

The Non-Dietary Exposure Branch has received a request from William Dykstra, Toxicology Branch I, to compare the possible exposure to workers from the application of avermectin to pears with exposure estimates previously provided by NDEB. Avermectin would be applied to pears using equipment similar to that used with citrus and at the same maximum application rate. Therefore, the proposed pear use would be similar to the existing citrus registration. Toxicology had previously estimated the MOE's for maternal lethality and developmental toxicity for the citrus use to be 350 and 4650, respectively. NDEB concludes that the exposure estimates for citrus from which the MOE's were derived will be similar for the proposed pear regulation.

cc: William Dykstra, Toxicology Branch I/IRS
C. Frick, SACB
Avermectin File
Circulation
Correspondence File
Curt Lunchick

8.1.90