

US EPA ARCHIVE DOCUMENT

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

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

MEMORANDUM

SUBJECT: Tetramethrin List B Reregistration; Ecological Effects Requirements.

FROM: Doug Urban, Chief  
Ecological Effects Branch  
Environmental Fate and Effects Division *Doug Urban 3/25/92*

TO: Linda Deluise, PM 50  
Reregistration Branch  
Special Review and Reregistration Division

EEB has reviewed ecological effects data submitted by Sumitomo Chemical Company, LTD to support the reregistration requirements for Tetramethrin. The review results are indicated below.

<u>MRID NO.</u>	<u>REF.NO./STUDY RESULTS</u>	<u>STATUS</u>
416096-04	71-1: Bobwhite quail LD50 > 2250 mg/kg	Core
416096-05	71-2: Bobwhite quail LC50 > 5620 ppm	Core
416096-06	71-2: Mallard duck LC50 > 5620 ppm	Core
416096-07	72-1: Bluegill LC50 = 15.9 ppb	Core
416096-08	72-1: Rainbow trout LC50 = 3.7 ppb	Core
416096-09	72-2: <i>Daphnia</i> EC50 = 0.045 ppm	Supplemental
416096-13	141-1: Honeybee acute LD50 = 0.155 ug/bee	Core

The honeybee residue on foliage (142-2) data requirement continues to remain outstanding. A previous EEB review dated 12/18/90 indicates that the registrant is addressing the completion of the study. EEB files indicate that there is no current record of any Agency submission of the required study since the 12/18/90 EEB memorandum. The aquatic invertebrate study must be repeated under conditions specified in the data evaluation record. Beyond these data requirements, the tetramethrin database is sufficient for assessing the existing use patterns primarily limited to domestic outdoor/homeowner utility. Unless the outdoor use patterns shift to a more widespread utility (e.g., agricultural), additional data requirements will not be necessary at this time.