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

JAN 27 1989

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg. No. 464-448. Amended Label for Lorsban[R] 4E to allow for its use on asparagus grown in California. MRID No. 40900601. DEB No. 4702.

FROM: Linda S. Propst, Chemist
Dietary Exposure Branch
Health Effects Division (TS-769C)

THRU: Andrew R. Rathman, Section Head
Special Registration Section 1
Dietary Exposure Branch
Health Effects Division (TS-769C)

TO: Dennis Edwards, PM 12
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Dow Chemical is requesting an amended registration for their chlorpyrifos formulation Lorsban[R] 4E to allow for its use on asparagus grown in California.

A tolerance with regional registration of 5 ppm has been established for the combined residues of chlorpyrifos and its metabolite 3,5,6-trichloro-2-pyridinol in or on asparagus [40 CFR 180.342 (b)].

LorsbanR 4 EC is registered for a single preharvest foliar application to asparagus grown in the Midwest and Pacific Northwest) at 1 lb. ai/A; two postharvest applications to the fern stage are permitted at the same rate. A 1-day PHI has been established.

The proposed amended registration for asparagus grown in California contains the same application rate and limitations as the currently registered use for asparagus grown in the Midwest and Pacific Northwest.

Residue data submitted with this amended registration request were from one field trial conducted in California.

Asparagus was treated four times at 1 lb ai/A (three applications to fern stage plus one application to spears) with the last application one day before harvest. The treated samples were analyzed for residues of chlorpyrifos and its metabolite TCP. The maximum combined residue reported was 2.4 ppm.

Conclusions and Recommendations

From the residue data submitted, Dietary Exposure Branch concludes that the tolerance of 5 ppm established to cover residues of chlorpyrifos and its metabolite, TCP, on asparagus grown in the Midwest and the Pacific Northwest will be adequate to cover residues of chlorpyrifos and its metabolite, TCP, on asparagus grown in California.

Dietary Exposure Branch has no objections to the proposed amended registration.

cc: Reading File, Circulation, Subject File, Amended Use File, Reviewer, PMSD/ISB
RDI: A. R. Rathman, 1/26/89; R. D. Schmitt, 1/26/89
TS-769C:DEB:LSP:lsp:CM-2:Rm803C:557-7324:1/26/89