

US EPA ARCHIVE DOCUMENT



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

SEP 29 1983

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: 3E2886 Chlorpyrifos on mushrooms. Amendment of
8/26/83.

FROM: Karl H. Arne, Ph.D., Chemist *KH Arne*
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

THRU: Charles L. Trichilo, Chief
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

TO: Hoyt Jamerson, Product Manager #43
Emergency Response Section
Registration Division (TS-767)

and
Toxicology Branch
Hazard Evaluation Division (TS-769)

In our review of this petition (memo of 8/24/83, K. Arne) we required that, for a favorable recommendation, the petitioner submit a revised Section F in which a tolerance of 0.1 ppm is proposed for residues of chlorpyrifos on mushrooms. With this amendment the requested Section F has been submitted. A Codex sheet is attached.

Recommendation

Toxicological considerations permitting, we recommend for the proposed tolerance for residues of chlorpyrifos plus its TCP metabolite on mushrooms at 0.1 ppm.

A discussion of the difference between the established 0.05 and U.S. proposed 0.1 ppm tolerance was included in our original review of this petition. The Codex tolerance is regulated only as parent compound whereas the U.S. tolerance would regulate both parent and TCP. Also, the residue data in this petition reflect analyses for TCP only; when this is calculated as parent compound, the apparent residue could exceed 0.05 ppm in mushrooms. A tolerance of 0.1 ppm is needed.

cc: R.F., Circu, Reviewer, TOX, EEB, EAB, PP#3E2886, FDA
Robert E. Thompson (RTP)

RDI:Section Head:RSQuick>Date:9/20/83:RDSchmitt>Date:9/21/83
TS-769:RCB:Reviewer:KHArne:557-7377:LDT:CM#2:RM:810>Date:9/22/83

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INTERNATIONAL RESIDUE LIMIT STATUS

CHEMICAL Chlorpyrifos

PETITION NO. 3F2556

CCPR NO. 17

Codex Status

Proposed U.S. Tolerances

No Codex Proposal
Step 6 or above

Residue (if Step 9):
chlorpyrifos

Residue: parent plus
TCP

<u>Crop(s)</u>	<u>Limit (mg/kg)</u>
<u>mushrooms</u>	<u>0.05 ppm</u>

<u>Crop(s)</u>	<u>Tol. (ppm)</u>
<u>mushrooms</u>	<u>0.1 ppm</u>

CANADIAN LIMIT
Residue: chlorpyrifos
plus TCP

MEXICAN TOLERANCIA
Residue: _____

<u>Crop</u>	<u>Limit (ppm)</u>
<u>none on mushrooms</u>	

<u>Crop</u>	<u>Tolerancia (ppm)</u>
<u>none on mushrooms</u>	

NOTES:

Page _____ of _____

12