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

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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

Subject: PP# 7G1955. Aldicarb on hops. Amendment of 12/22/81.

From: Linda S. Propst, Chemist
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

Linda S. Propst

Thru: Charles L. Trichilo, Chief
Residue Chemistry Branch
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[Signature]

To: Jay Ellenberger, Product Manager, Team 12
Insecticide - Rodenticide Branch
Registration Division (TS-767)

The Washington State University is requesting to amend the EUP for TEMIK 15G by adding a statement to the label which would allow hop extract waste resulting from methylene chloride extraction to be fed to livestock.

Data submitted in support of this request showed residues on the dried hop cones prior to extraction and also on the pelleted extract waste material following extraction. Aldicarb residues on dried hop cones were reported at levels up to 47.5 ppm. After the extraction process with methylene chloride the highest aldicarb residue on the extract hop waste was 0.17 ppm. Although not specified, residues of aldicarb were reported in the hop waste material which had been extracted with hexane as being significantly higher than 1 ppm. For the establishment of permanent tolerances we will require data reflecting aldicarb residues in the hexane extracted waste material.

There is no tolerance established for residues of aldicarb on livestock feed derived from hops. However, since aldicarb residues are less than on green hops or dried hops a feed additive tolerance is unnecessary.

We have no objection to adding the statement that hop extract waste from the methylene chloride extraction process may be fed to livestock. However, we would find this action impractical for full registration since it is the hop grower and not the processor who will be reading the label and applying the pesticide.

Conclusions and Recommendations

The combined residues of aldicarb remaining in or on hop waste resulting from the methylene chloride extraction process will be less than the temporary tolerances established on green hops or dried hops.

We have no objection to the label being amended to add the statement that hop extract waste from the methylene chloride extraction process may be fed to livestock. However, the statement would be of questionable utility for full registration, since it is the hop grower and not the processor who will be reading the label. Therefore, for a permanent tolerance, we will require data reflecting aldicarb residues in the extract waste material from treated hops extracted with hexane and information regarding the extent of feeding of extract waste material to livestock.

TS-769:RCB:L.Propst:MCH:X77324:CM#2:RM810:2/12/82

cc: RF, Circ., L. Propst, Watts, TOX, EEB, EFB, FDA, PP# 7G1955

RDI: Hummel, 2/11/82; Schmitt 2/12/82