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OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

**MEMORANDUM**

SUBJECT: FAP#0H5599. Lambda-cyhalothrin in/on Imported Dried Hops. Revised Section F.

DP Barcodes: D176325, D176328. CBTS #'s 9651, 9652.

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**Introduction**

Our previous memo, dated 3/23/92, requested that ICI propose new tolerances for dried hops and associated animal commodities. The submission is a response to that memo.

**Summary of Deficiencies Remaining to Be Resolved**

All deficiencies have been resolved.

**Conclusions**

1. ICI has submitted a revised Section F in which the tolerances requested in our 3/23/92 memo have been submitted.
2. The IUPAC names for lambda-cyhalothrin and its epimer have been slightly revised from those reported in our previous memo. These revised names, as stated at the

end of this memo, should appear in the final regulation.

### Recommendation

TOX considerations permitting, CBTS now recommends for the proposed tolerances.

### Detailed Considerations

The following deficiency is listed from our 3/23/92 memo with ICI's response and CBTS' comment.

#### CBTS Deficiency (Conclusion #5 from our 3/23/92 memo)

For this petition only, the following tolerances should be proposed:

Dried Hops (FAT)	10.0 ppm
Fat of cattle, goats, horses, and sheep	0.02 ppm
Meat and meat byproducts of cattle, goats, horses and sheep	0.01 ppm
Milkfat (reflecting 0.01 ppm in whole milk)	0.25 ppm

#### ICI Response

A revised Section F in which these tolerances are proposed has been submitted. The tolerances are for the combined residues of lambda-cyhalothrin, per se, and its epimer.

#### CBTS Comment

This deficiency is resolved.

#### Note on Nomenclature

In our 3/23/92 memo, CBTS recommended that the IUPAC name appear in the final regulation for purposes of clarity. In the present submission, ICI has slightly changed the IUPAC name from that given in the previous submission (and recorded in our memo). This modified name should be the one that appears in the final regulation:

#### Lambda-cyhalothrin

A 1:1 mixture of

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(S)- $\alpha$ -cyano-3-phenoxybenzyl-(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate

and

(R)- $\alpha$ -cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate

Epimer of Lambda-cyhalothrin

A 1:1 mixture of

(S)- $\alpha$ -cyano-3-phenoxybenzyl-(Z)-(1S,3S)-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate

and

(R)- $\alpha$ -cyano-3-phenoxybenzyl-(Z)-(1R,3R)-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate

cc: SF, RF, Circu., C.Furlow(PIB/FOD), MikeFlood, E.Haeberer, FAP#0H5599.

H7509C:CBTS:Reviewer(MTF):CM#2:Rm800A:305-6362:typist(mtf):  
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