



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

P.115D/ESB

JUL 26 1989

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: PP#8F3660/FAP#8H5561. Sethoxydim in or on Grapes and  
Grape ByProducts.  
Amendment of July 10, 1989.  
DEB#: 5583, 5584 HED#: 9-1771 MRID#: None

FROM: Maxie Jo Nelson, Ph.D., Chemist  
Tolerance Petition Section I  
Dietary Exposure Branch  
Health Effects Division (H7509C) *mjn*

THRU: Robert S. Quick, Section Head  
Tolerance Petition Section I  
Dietary Exposure Branch  
Health Effects Division (H7509C) *RW*

TO: R. Taylor/V. Walters, PM Team 25  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

and

Toxicology Branch, FHA Support  
Health Effects Division (H7509C)

SUMMARY OF DEFICIENCIES REMAINING TO BE RESOLVED FOR DEB

None.

CONCLUSIONS

1. A further revised Section F has been submitted, as requested. This deficiency is now resolved.
2. DEB can now conclude the established animal commodity tolerances for the combined residues of sethoxydim and metabolites will be adequate to cover any secondary residues arising as a result of the proposed use on grapes.
3. No deficiencies now remain outstanding from DEB for this petition.
4. A copy of this review is being routed to SAOS/SACB/HED for TAS purposes.

RECOMMENDATION

Toxicological considerations permitting, DEB recommends in favor of the establishment of the proposed tolerances for the combined residues of sethoxydim and its metabolites containing the 2-cyclohexen-1-one moiety (calculated as parent), as follows:

40 CFR 180.412(a): grapes - 0.2 ppm  
 40 CFR 185.2800: raisins - 1.0 ppm  
 40 CFR 186.2800: raisin waste - 1.0 ppm  
 grape pomace (wet and dry) - 6.0 ppm

DETAILED CONSIDERATIONSBACKGROUND

By transmittal letter dated 7/10/89, the petitioner (BASF Corporation) has submitted a further revised Section F for this petition, in response to the deficiency raised in the DEB (M. Nelson) review of 5/4/89.

DISCUSSION

The tolerance levels being proposed for the combined residues of sethoxydim and its metabolites containing the 2-cyclohexen-1-one moiety (calculated as parent), are as follows: grapes, 0.2 ppm; raisins, 1.0 ppm; raisin waste, 1.0 ppm; and, grape pomace (wet and dry), 6.0 ppm. This deficiency is now resolved.

DEB can now conclude the established animal commodity tolerances for the combined residues of sethoxydim and metabolites will be adequate to cover any secondary residues arising as a result of the proposed use on grapes.

No deficiencies remain outstanding from DEB for this petition.

A copy of this review is being routed to SAOS/SACB/HED for TAS purposes.

An updated International Residue Limits status sheet is attached.

ATTACHMENT (1)

cc: M. Nelson, RF, Circ (7), PP#8F3660/FAP#8H5561, R. Schmitt, SAOS/SACB/HED (R. Tomerlin), ISB/PMSD (E. Eldredge), FDA.  
 H7509C:DEB:Reviewer(MJN):CM#2:Rm804:557-7423:typist(mjn):  
 3660SETH.GRA:7/25/89.  
 RDI:SecHead:RSQuick:7/26/89:BrSrScientist:RALoranger:7/26/89.

INTERNATIONAL RESIDUE LIMIT STATUS

CHEMICAL Sethoxydim

revised version  
7/25/89, min

CODEX NO. \_\_\_\_\_

CODEX STATUS:

No Codex Proposal  
Step 6 or above

PROPOSED U.S. TOLERANCES:

Petition No. 8F3660

RCB Reviewer Nelson

Residue(if Step 8): \_\_\_\_\_

Residue: parent plus metabolites  
w/ 2-cyclohexen-1-one moiety

<u>Crop(s)</u>	<u>Limit</u> <u>(mg/kg)</u>
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<u>Crop(s)</u>	<u>Limit</u> <u>(mg/kg)</u>
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grapes	0.2
raisins	1.0
raisin waste	1.0
grape pomace (wet and dry)	6.0

CANADIAN LIMITS:

No Canadian limit (on grapes)

Residue: \_\_\_\_\_

MEXICAN LIMITS:

No Mexican limit

Residue: \_\_\_\_\_

<u>Crop(s)</u>	<u>Limit</u> <u>(mg/kg)</u>
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<u>Crop(s)</u>	<u>Limit</u> <u>(mg/kg)</u>
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NOTES: