



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

AUG 16 1989

MEMORANDUM

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: PP#8F3606/FAP#8H5553. Sethoxydim in or on Blueberries  
and Citrus Fruits.  
Amendment of July 10, 1989.  
DEB#: 5607, 5608 HED#: 9-1823 MRID#: None

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

THRU: Robert S. Quick, Section Head  
Dietary Exposure Branch  
Health Effects Division (H7509C) *RSQ*

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

Toxicology Branch, FHA Support  
Health Effects Division (H7509C)

SUMMARY OF DEFICIENCIES REMAINING TO BE RESOLVED FOR DEB

None.

CONCLUSIONS

1. The petitioner has provided laboratory documentation that the extracts from fortified control samples were stored under the same temperature/time conditions as were the extracts from field-treated samples. This deficiency is now resolved.
2. DEB can now conclude the proposed tolerances of this petition are adequate, and appropriately supported by the experimental data.
3. DEB can also conclude the existing meat, milk, poultry, and eggs tolerances will not be exceeded by the proposed use/tolerances.
4. No other deficiencies/considerations remain outstanding for DEB for this petition.
5. A copy of this review is being routed to SACB/HED for use in conducting a TAS evaluation.

RECOMMENDATION

Toxicological considerations permitting, DEB recommends in favor of the establishment of the proposed tolerances for combined residues of sethoxydim and its metabolites containing the 2-cyclohexen-1-one moiety (calculated as parent) in or on citrus fruits (0.5 ppm); dried citrus pulp (1.5 ppm) and citrus molasses (1.5 ppm); and, blueberries (4.0 ppm).

DETAILED CONSIDERATIONSBACKGROUND

Based on DEB's last review (M. Nelson, 5/3/89), the sole deficiency remaining to be satisfactorily addressed by the petitioner (BASF Corporation) was the issue as to whether the extracts from fortified control samples were stored under the same temperature/time conditions as were the extracts from field-treated samples.

DISCUSSION

By transmittal letter dated 7/10/89, BASF has provided documentation that field-treated samples and their corresponding fortified controls were handled in an identical manner, side-by-side: they share the same extraction dates; their extracts were worked-up and stored under identical temperature/time conditions; and, they share the same GLC analysis dates.

This information suffices to satisfactorily resolve the cited deficiency.

DEB can now conclude the proposed tolerances of this petition are adequate, and appropriately supported by the experimental data.

DEB can also conclude the existing meat, milk, poultry, and eggs tolerances will not be exceeded by the proposed use/tolerances.

No other deficiencies/considerations remain outstanding for DEB for this petition.

A copy of this review is being routed to SACB/HED for use in conducting a TAS evaluation.

cc: M. Nelson, RF, Circ (7), PP#8F3606/FAP#8H5553, ISB/PMSD  
(E. Eldredge), R. Schmitt, SACB/HED (R. Tomerlin), FDA.

H7509C:DEB:Reviewer(MJN):CM#2:Rm810:557-7423:typist(mjn):  
3606SETH.BLU:8/14/89.

RDI:SecHead:RSQuick:8/15/89:BrSrScientist:RALoranger:8/15/89.