



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

PMSD/ISB

APR 11 1989

MEMORANDUM

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: PP#8F3678. Sethoxydim in or on Bulb Vegetables.  
Amendment of January 23, 1989.

DEB#: 5111

HED#: 9-1088

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)

RM

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

SUMMARY OF DEFICIENCIES REMAINING TO BE RESOLVED FOR DEB

None.

CONCLUSIONS

1. The requested field trial information has been provided. Gpa of spray mixture ranged from 14-50, and both onions and garlic were planted as both seeds and sets. This deficiency is now resolved.
2. A revised Section F has been submitted, as suggested. The tolerance is now proposed in terms of the crop group "bulb vegetables".
3. Revised supplemental labeling has been submitted which replaces the term "onions and garlic" with "bulb vegetables".
4. No deficiencies now remain outstanding from DEB for this petition.
5. A copy of this review is being routed to SAOS/SACB/HED for TAS purposes.

## RECOMMENDATION

Toxicological considerations permitting, DEB recommends that 40 CFR 180.412(a) be amended by establishing the proposed tolerance for the combined residues of the herbicide sethoxydim and its metabolites containing the 2-cyclohexen-1-one moiety (calculated as the herbicide), in or on the crop group "bulb vegetables" [as defined by 40 CFR 180.34(f)(9)(iii)] at 1.0 ppm.

## DETAILED CONSIDERATIONS

### BACKGROUND

By transmittal letter dated 1/23/89, the petitioner (BASF Corporation) has submitted revised Sections B and F, and information on gallons per acre (gpa) spray mixture applied and which samples were planted as seeds vs. sets.

### DISCUSSION

The information/revised Sections B and F the petitioner has submitted adequately resolve the deficiencies raised in our earlier review (M. Nelson, 11/23/88).

We can now conclude the proposed tolerance of 1.0 ppm for the crop group "bulb vegetables" will be adequate and appropriate.

No deficiencies remain outstanding from DEB for this petition.

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

cc: Reviewer (M. Nelson), Reading File, Circulation (7), PP# 8F3678, TOX-HFA, SAOS/SACB/HED (R. Tomerlin), ISB/PMSD (E. Eldredge), FDA, R. Schmitt.

H7509C:DEB:Reviewer(MJN):CM#2:Rm804:557-7423:typist(mjn): 3678SETH.VEG:4/6/89.

RDI:SectionHead:RSQuick:4/7/89:ActingBranchChief:RDSchmitt: 4/10/89.