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

JUL 19 1989  
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OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: PP# 3F2765. Pendimethalin on sugarcane. Submission dated 3/16/89. No MRID#. DEB# 5262

PP# 4F3042. Pendimethalin on Tomatoes. Submission dated 4/5/89. No MRID#. DEB# 5261.

FROM: Robert S. Quick, Chemist  
Tolerance Petition Section I  
Dietary Exposure Branch  
Hazard Evaluation Division (H7509C)

*Robert S. Quick*

THRU: Richard D. Schmitt, Ph.D., Chief  
Dietary Exposure Branch  
Hazard Evaluation Division (H7509C)

*Richard D. Schmitt*

TO: Robert Taylor, PM 25  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Background

In our reviews for PP# 3F2765 dated 9/21/83 by R. W. Cook and for PP# 4F3042 dated 3/27/84 by Linda Kutney we recommended for the proposed 0.1 ppm tolerances for sugarcane and tomatoes respectively.

Subsequent to those reviews, the registration standard was issued for pendimethalin. The standard listed numerous data gaps for this chemical, including animal and plant metabolism. The two subject petitions were held up pending completion of mouse and rat oncogenicity studies.

Detailed Considerations

The petitioner in this submission states that the toxicology studies have been submitted and requests that the proposed tolerances be established.

The registrant has also submitted a response to the registration standard which was received in the Agency on 5/4/87. These data have been recently sent to DEB (received 6/29/89) by the Product Manager and have been placed into review.

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7/25/89  
*OP Rocket*

Because the registration standard has raised general plant and animal metabolism questions for pendimethalin which could apply to any crops that are feed items we recommend that the proposed tomato and sugarcane tolerances not be established at this time. We should wait for the registration standard follow-up review that is in progress to be completed before further action is taken on the subject petitions. Plant and animal metabolism questions addressed in that review may impact on these petitions.

#### Recommendations

We recommend that the proposed pendimethalin tolerances of 0.1 ppm on sugarcane and tomatoes not be established at this time. The registration standard follow-up review now in progress should be completed first so as to determine whether there are any plant and animal metabolism questions which need to be resolved before these tolerances are established.

cc: PP# 3F2765, PP# 4F3042, R. Quick, R.F., circ (7),  
Pendimethalin R.S. File

H7509C:DEB:QUICK:ka:X7484:Rm810:7/18/89:  
RDI:Richard A. Loranger 7/17/89.