US EPA ARCHIVE DOCUMENT

C. Furlow
PIB/FOD

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

OCT 23 1990

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: PP#0E3882 - Metolachlor (Dual®) on Celery. Review of the September 26, 1990 Amendment (No MRID Number) [DEB No. 7080] (HED Project No. 0-1677)

FROM: Francis D. Griffith, Jr., Chemist
Chemistry Branch I - Tolerance Support
Health Effects Division (H7509C)

Francis D. Griffith Jr.

TO: Hoyt L. Jamerson, Minor Use Officer, PM 43
Registration Support Branch
Registration Division (H7505C)

and

Toxicology Branch II - Herbicide, Fungicide and Antimicrobial Support
Health Effects Division (H7509C)

THRU: Robert S. Quick, Section Head
Tolerance Petition Section I
Chemistry Branch I - Tolerance Support
Health Effects Division (H7509C)

RSQ

Dr. Jerry Baron, Associate Coordinator, on behalf of the Interregional Research Project No. 4 (IR-4), submitted this amendment consisting of a cover letter and a revised Section B (new labeling) in response to a deficiency outlined and summarized in our review of September 4, 1990 by F.D. Griffith, Jr. The deficiency is repeated and listed in the body of this review followed by the petitioner's response, then DEB comments. Our conclusions and recommendation follow.

SUMMARY OF DEFICIENCIES REMAINING TO BE RESOLVED

None.

Printed on Recycled Paper

CONCLUSION

DEB Conclusion on Directions for Use/Labeling

The petitioner has proposed adequate directions for use of Dual® on celery. The directions for use now have "a single spray application" for a celery-growing season. The deficiency is resolved.

RECOMMENDATION

Toxicology Branch considerations permitting, and considering that there are no further chemistry deficiencies remaining with this petition, DEB makes the following recommendation:

Since combined residues of metolachlor and its metabolites expressed as metolachlor are not expected to exceed the proposed tolerance under the proposed Dual® conditions of use, DEB recommends for the 0.1 ppm metolachlor plus metabolites tolerance on celery.

DETAILED CONSIDERATIONS

DIRECTIONS FOR USE/LABELING

Deficiency

The petitioner needs to revise Section B and add the following to the directions for use of metolachlor on celery:

Do not apply more than once per growing season.

Petitioner's Response

The petitioner has submitted the following revised Directions for Use of Dual® on celery:

CELERY: For the control of annual weeds and grasses apply metolachlor at rates based on soil texture and percentage of organic matter. On coarse soils apply 1.5-2.0 lbs. active (1.5-2.0 pints DUAL) per acre, on medium and fine soils apply 2.0-2.5 lbs. active (2.0-2.5 pints DUAL) per acre if organic matter content is greater than 3% apply 2.5-3.0 lbs. active (2.5-3.0 pints DUAL) per acre. A single spray application can be made prior to or immediately after transplanting celery, however, do not harvest celery within 12 weeks of application.

DEB Comments

The petitioner has proposed an adequate set of directions for use of Dual® on celery. The directions now propose a single spray application of Dual® on celery to be made prior to or immediately after transplanting. The deficiency is resolved.

cc: R.F., Circu (7), Reviewer (FDG), PP#0E3882, R.D. Schmitt, Ph.D., Chief, FDA, DRES/SACB (Kariya), PIB/FOD (Furlow)

H7509C:DEB:Reviewer (FDG):CM#2:Rm 814B:5570826:JOB:55965:I:WP5.0: C.Disk:KENCO:10/12/90:de:VO:EK:CL:ed:fdg:10/22/90.

RDI:SecHd:RSQuick:10/22/90:BrSrSc:RALoranger:10/22/90.