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

57

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

SEP 30 1992

MEMORANDUM

SUBJECT: PP#2F04036 (CBTS #'s 10486, 10487, 10488, and 10489; Barcode #'s D181988, D181974, D181980, and D181965). DE-498 (Flumetsulam) on Soybeans and Corn. (No MRID #'s).

FROM: Nancy Dodd, Chemist Nancy Dodd
Tolerance Petition Section II
Chemistry Branch I- Tolerance Support
Health Effects Division (H7509C)

THRU: Debra Edwards, Ph.D., Acting Chief Debra Edwards
Chemistry Branch I- Tolerance Support
Health Effects Division (H7509C)

TO: Joanne Miller, PM#23
Fungicide-Herbicide Branch
Registration Division (H7509C)

and

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

DowElanco proposes permanent tolerances of 0.05 ppm for residues of the herbicide N-(2,6-difluorophenyl)-5-methyl-1,2,4-triazolo-[1,5a]-pyrimidine-2-sulfonamide (DE-498, formerly XRD-498; flumetsulam) in/on corn fodder, forage, and grain and soybeans.

No permanent tolerances have been established for DE-498 (flumetsulam). A crop destruct Experimental Use Permit (62719-EUP-13) for XRM-5019 (an end-use product containing DE-498) was issued by EPA on 3/8/91. A temporary tolerance for soybeans is pending. A temporary tolerance for field corn is in reject status.

A letter dated 9/27/91 and a Section F were submitted along with the following:

A Confidential Statement of Formula (CSF) dated 9/17/91 for XRM-5019 75% WDG (containing DE-498) and a proposed label for XRM-5019 for use on field corn and soybeans (printed 5/22/91) were submitted.

A CSF dated 9/17/91 for XRM-5313 and a proposed label for XRM-5313 (containing DE-498 and trifluralin) for use on soybeans (printed 5/30/91) were submitted.

A CSF for DE-498 Technical dated 9/17/91 and a label for DE-498 Technical (printed 5/15/91) were submitted.

Previously submitted Product Chemistry and Residue Chemistry data were referenced. No additional residue data have been submitted.

Conclusions/Recommendations

CBTS recommends against the proposed tolerances for DE-498 (flumetsulam) on soybeans and corn.

For a permanent tolerance on soybeans, the petitioner should refer to CBTS's review of PP#1G04006 (N. Dodd, 8/20/92) which lists deficiencies which must be addressed for a permanent tolerance on soybeans.

For a permanent tolerance on field corn, the petitioner should refer to CBTS's review of PP#1G04006 (N. Dodd, 3/27/92) which lists deficiencies which must be addressed for a permanent tolerance on field corn.

A revised Section F should be submitted which indicates that the proposed tolerance is for field corn. Otherwise, residue data would be needed for sweet corn.

cc: DE-498 SF, N. Dodd (CBTS), E. Haeberer (CBTS), PP#2F04036

RDI: E. Haeberer: 9/29/92:R. Loranger:9/30/92
H7509C:CM#2:Rm 804F:X305-5681:N. Dodd:nd:9/30/92

S.F.

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

JUN 28 1993

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: PP#2F4036. Flumetsulam (DE-498) on Soybeans. Addendum to Review dated 5/3/93 regarding Section 409.

FROM: Nancy Dodd, Chemist Nancy Dodd
Tolerance Petition Section II
Health Effects Division (H7509C)

THROUGH: Debra Edwards, Ph.D., Chief Debra Edwards
Chemistry Branch I- Tolerance Support
Health Effects Division (H7509C)

TO: Joanne Miller, PM#23
Fungicide-Herbicide Branch
Registration Division (H7505C)

and

Albin Kocialski, Section Head
Registration Section
Chemical Coordination Branch (H7509C)

Steve Robbins indicated that a statement must be included in the Federal Register notice for DE-498 (flumetsulam) on soybeans regarding why a Section 409 tolerance is not needed.

A Section 409 tolerance for DE-498 (flumetsulam) on soybeans is not needed because residues are not expected to concentrate on processing. It was determined that a processing study on soybeans and food additive tolerances were not needed since no residues were found in soybeans after postemergence treatment at 6X, the theoretical concentration factor for soybean oil.

cc: RF, SF, Circu., N. Dodd (CBTS), E. Haeberer (CBTS), PP#2F4036, PM#23, A. Kocialski (CCB)

RDI:E. Haeberer:6/24/93:R. Loranger:6/24/93
H7509C:CM#2:Rm 804F:305-5681:N. Dodd:nd:6/24/93