



PMSD/ISB 2087

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

FEB 1 8 1988

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: SLN #ID-870011 Thiophanate-Methyl [TOPSIN®-M 4.5F Fungicide]:  
[RCB #3265] 24(c) on beans in the State of Idaho.  
[Acc.: None]

FROM: William L. Anthony  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769C)

THRU: Ed Zager, Section Head  
Special Registration Section II  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769C)

TO: L. Rossi, PM #21  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

*William L. Anthony*

*EZ*

The State of Idaho has issued a Special Local Need (SLN) registration for the use of thiophanate-methyl [TOPSIN®-4.5F Fungicide; EPA Reg.#4581-352] as in-furrow treatment on beans.

The formulation which contains 46.2% ai/gal, will be used to control Fusarium spp and Rhizoctonia spp in/on beans in the State of Idaho. The concentration of the ai in the Flowable liquid corresponds to @ 60 fl. oz./gal.

Tolerances

Tolerances are established for residues of thiophanate-methyl (Dimethyl-[(1,2-phenylen)-bis(carbamate)]), its oxygen analogue, [Dimethyl-4,4'-o-phenylene-bis(allophanate)] and its benzimidazole containing metabolites (calculated as thiophanate-methyl) in/on beans (snap & dry) pre-harvest at 2.0 ppm. Tolerances are also established for numerous other R.A.C.s' ranging from 0.05 ppm on wheat grain to 50 ppm on bean (forage & hay) pre-harvest. [40 CFR 180.371].

A Registration Standard for Thiophanate-Methyl was issued on 2/6/85/.

Registered Use

TOPSIN®-M 4.5F Fungicide is registered as a foliar application on beans for the control of Botrytis and Sclerotinia spp. This registration permits one foliar application of 30 to 40 fl.oz.(14 to 19 fl. oz. ai)/A at 50 to 70% bloom or two foliar applications at 20 to 30 fl. oz.( 9 to 14 fl. oz.ai)/A applied twice with the first application at 10 to 30% of full bloom and a

Proposed Use

The proposed use would permit application of from 20 to 40 fl. oz. (0.7 lb to 1.4 lb ai)/A. Apply at planting in seed furrow. Nozzle should be centered so that spray strikes the soil surrounding seed, the seed furrow edges, and the seeds. Apply at low pressure (40 psi) to avoid seed displacement with sufficient volume for adequate coverage.

Residue Data

No residue data reflecting in-furrow applications, followed by foliar applications, was included with this request. Therefore, we unable to draw any conclusions for the requested new use in-furrow treatment of beans in Idaho.

Conclusion and Recommendation

In the absence of residue data reflecting in-furrow treatment followed by foliar applications, we are unable to conclude whether residues from the proposed treatment would exceed the established tolerance.

cc: Reviewer;S.F.[Thiophanate-Methyl];Sec.18 file;ISB/PMSD;RF,Circulation.  
RDI:E. Zager,Sec.Head,2/18/88;R.Schmitt,2/18/88.  
TS-769:RCB/HED;W.Anthony;wa;CM-2;Rm.812;X557-4351;2/18/88.