



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

DEC 31 1987

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: ID # CA-87-0072
[RCB: # 3117]
[MRID: None]

Dimethoate: 24(c) on greenhouse
broccoli and cauliflower grown
for seed in the State of California.

FROM: William L. Anthony
Special Registration Section II
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

William L. Anthony

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

Edward Zager

TO: William Miller, PM#16
Fungicide-Herbicide Branch
Registration Division (TS-767)

The State of California (CDFA) has issued a Special Local Need registration for the use of dimethoate [Clean Crop Dimethoate 267 EC, EPA Reg. # 2749-41-34708-AA], a systemic insecticide, to control aphids in greenhouse broccoli and cauliflower grown for seeds. The formulation contains @ 2.5 lbs of dimethoate, the active ingredient, per gal.

Tolerance

Permanent tolerances are established for the combined residues of dimethoate [O,O-dimethyl S-(N-methylcarbamoylmethyl)phosphodithioate] including its oxygen analog [O,O-dimethyl S-(N-methyl carbamoylmethyl)phosphorothioate] in/on broccoli and cauliflower at 2.0 ppm [40 CFR 180.204].

A FRSTR [Final Registration Standard and Tolerance Reassessment] for dimethoate has been issued by RCB/HED, 10/1/87. From the Standard, the following conclusion was submitted: "It has been previously determined that the available data supports the established tolerance of 2 ppm each for total residues of dimethoate and dimethoxon in or on broccoli and cauliflower."

Registered Use

Dimethoate is registered for foliar application on broccoli and cauliflower at the maximum use of 0.5 lb ai/A with 7-day PHI.

Proposed Use

The proposed use would permit 1 oz (@ 0.3 oz ai) of the formulation per gal of water. According to David Haskell of CDFA, via phone conversation on 12/30/87, this product will be of very limited use. Total greenhouse coverage will not exceed 10 acres. The application rate will be 0.5 lb ai/A with the maximum use of the active ingredient not to exceed 5 lb. Application is to be by hand held sprayer or ground rig. Repeat as is needed to control aphids.

There is a restriction on the 24(c) label against using the treated crop for food or feed.

Conclusion & Recommendation

Since these applications will be made to broccoli and cauliflower specifically grown in greenhouses for seed production and since the plants are not edible once they start producing seed there is no likelihood of these plants being diverted for the food market. Consequently, we consider this a non-food use.

RCB has no objection for this 24(c) request.

cc: RF;SF [Dimethoate];Reviewer;24(c);Circulation;PMSD/ISB.
RDI: E. Zager, 12/31/87.
TS-769:RCB/HED;W.Anthony;wa;CM-2;Rm.811;X557-4351;12/31/87.