

US EPA ARCHIVE DOCUMENT



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

JUL 16 1985

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg. #279-3014 Permethrin: Amended Use on Potatoes.  
[RCB #1088; Accession No. 257813]

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

TO: Timothy Gardner, PM-17  
RD (TS-767)

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

*William L. Anthony*  
*EZager*

FMC Corp. requests, an amended registration for its product Pounce® 3.2 EC (EPA Registration No. 279-3014), on potatoes to add Ultra Low Volume (ULV) applications in refined non-volatile vegetable oil.

The formulation contains 3.2 lb permethrin/gal [REDACTED]

There is a permanent tolerance for residues of permethrin and its metabolites 3-(2,2-dichloro-ethenyl)-2,2-dimethylcyclopropane carboxylic acid (DCVA) and (3-phenoxyphenyl) methanol (3-PBA) calculated as the parent in/on potatoes at 0.05 ppm.

The currently registered use of Pounce® 3.2 EC permits applications at the rate of 4 to 8 oz (0.1 to 0.2 lb ai) per acre applied in a minimum of three gal of water/A by aircraft to 20 gal of water/A with ground equipment. There is a 7-day PHI. There are restrictions on grazing or feeding potato forage, and on planting rotational crops within 60 days of harvest.

INERT INGREDIENT INFORMATION IS NOT INCLUDED

The amended use would permit Pounce® 3.2 EC to be diluted with refined nonvolatile vegetable oil and applied in a minimum of 1 quart total volume/A using equipment calibrated to give adequate coverage. All current label restrictions would remain in effect.

No residue data reflecting ULV application of permethrin in vegetable oil have been submitted with this registration request. The registrant proposes that residue data from conventional sprays be accepted in support of the proposed use. (PP#0F2389, J. Onley, 5/10/81 and 2/22/84)

Residues of permethrin and its metabolites were all < 0.05 ppm in or on potatoes as a result of multiple 8 to 11 foliar applications at the registered rates. In addition, radiolabeled studies showed no translocation of <sup>14</sup>C residues into tubers following repeated foliar applications.

#### Conclusion

We conclude that residues from the proposed ULV applications are not expected to exceed the established 0.05 ppm tolerance for residues of permethrin and its metabolites in or on potatoes.

#### Recommendations

We have no objections to this amended registration.

cc: R.F.  
Circu.  
Reviewer  
S.F. [Permethrin (Pounce®)]  
Amend. Use File  
PMSD/ISB

RDL: Zager: 7/11/85: RDSchmitt: 7/11/85: TS-769: RCB: WLA: Rm. 810: CM-2

JOB: 93945: 7/12/85: C.Disk: Kendrick: 898-1270: DAA

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