

MEMORANDUM MAR 7 1985

TO: George LaRocca PM Team 15  
Registration Division TS-767

THRU: Norman Cook, Section Head *Norman Cook*  
Section 2, EEB/HED

THRU: Michael Slimak, Chief *MS*  
EEB/HED

SUBJECT: Request for Environmental Fate Information on  
Avermectin, Reg. No. 618-OG

The Ecological Effects Branch (EEB) completed a review of Merck, Sharp and Dohme's request to register Affirm® Fire Ant Bait for use on pastures, rangeland, turf, lawn and other non-agricultural areas (review date 6/29/84 by D. Rieder). In this review EEB expressed concern for potential hazards especially to aquatic and estuarine organisms. Various data were requested including information on the major degradates of avermectin.

EEB still requires the following information:

1. The anticipated halflife of avermectin in natural water and sediment;
2. The major degradates of avermectin in water and sediment;
3. The chemical characteristics of these degradates such as solubility and soil partition coefficient;
4. The halflives of these degradates in water and sediment; and
5. What percent of the parent would be found as degradates and in what proportion in natural water and sediment.

It is imperative that EEB has the above information before further action occurs on this chemical. Presumably this information will come from the Exposure Assessment Branch. If questions arise concerning this request they may contact D. Rieder, 557-7370 of EEB.

*Daniel Rieder* 3/7/85  
Daniel Rieder  
Wildlife Biologist  
EEB/HED

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