

US EPA ARCHIVE DOCUMENT

**FILE COPY**

TO: G. La Rocca/Heyward  
Product Manager #15  
Registration Division (H7505C)

FROM: Emil Regelman, Supervisory Chemist  
Environmental Chemistry Review Section #2  
Environmental Fate and Groundwater Branch/EFED (H7507C)

THRU: Hank Jacoby, Chief (Acting)  
Environmental Fate and Groundwater Branch  
Environmental Fate and Effects Division (H7505C)

Attached, please find the EFGWB review of:

Reg./File #(s): 279-3055, 279-3069

Common Name: Bifenthrin

Chemical Name: (2-methyl-1,1'-biphenyl-3-yl)methyl trans-4-  
(2-chloro-3,3,3-trifluoro-1-propenyl)-3,3-  
dimethylcyclopropanecarboxylate

Type of Product: Insecticide

Product Name: Capture 2 EC

Company Name: FMC Corporation

Purpose: Review of a 8/10/89 letter from FMC Corporation to OPP  
requesting an extension of 12 months for submitting the  
terrestrial field dissipation report

Date Received: 8/28/89 Action Code: 570

EFGWB #: 90748-49

Total Reviewing Time: 0.5

- Deferrals to:  Ecological Effects Branch/EFED
- Science Integration & Policy Staff/EFED
- Non-Dietary Exposure Branch/HED
- Dietary Exposure Branch/HED
- Toxicology Branch I/HED
- Toxicology Branch II/HED

1. CHEMICAL:

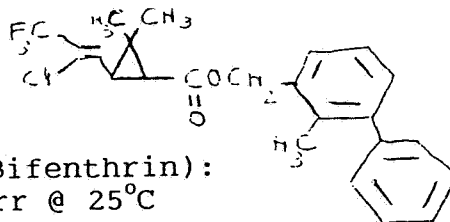
Common Name: Bifenthrin

Chemical Name: (2-methyl-1,1'-biphenyl-3-yl)methyl trans-4-(2-chloro-3,3,3-trifluoro-1-propenyl)-3,3-dimethylcyclopropanecarboxylate

Type of Product: Insecticide

Trade Name: Capture 2 EC

Chemical Structure:



Physical/Chemical Properties (Bifenthrin):

vapor pressure:  $1.8 \times 10^{-7}$  torr @ 25°C

aqueous solubility: < 0.1 ug/L

2. TEST MATERIAL:

Not applicable.

3. STUDY/ACTION TYPE:

Review of a 8/10/89 letter from FMC Corporation to OPP requesting a possible 12 month extension for submitting a terrestrial field dissipation study report from November 1990 to November 1991.

4. STUDY IDENTIFICATION:

A 8/10/89 letter from E. Cuirle of FMC Corporation to G. LaRocca of RD/OPP.

5. REVIEWED BY:

Henry Nelson, Ph.D., Chemist  
Environmental Chemistry Review Section #2  
Environmental Fate and Groundwater Branch/EFED

*H Nelson*  
Date: 9/28/89

6. APPROVED BY:

Emil Regelman, Supervisory Chemist  
Environmental Chemistry Review Section #2  
Environmental Fate and Groundwater Branch/EFED

*E Regelman*  
Date: *10/5/89*  
OCT / 5 1989

7. CONCLUSIONS:

The data available at the end of 12 months should be incorporated into a terrestrial field dissipation study report and submitted by November 1990 as previously scheduled regardless of whether the study is extended beyond 12 months. If the data indicate that the study should be extended beyond 12 months, the additional data can be submitted at a later date as part of a long term terrestrial field dissipation study.

8. RECOMMENDATIONS:

EFGB does not concur with granting the registrant a 12 month extension for submitting a terrestrial field dissipation study report due by November 1990.

9. BACKGROUND:

This review is of a request by the registrant for a 12 month extension on the due date for a terrestrial field dissipation study report if the data indicate that the study needs to be extended.

10. DISCUSSION:

EFGWB encourages the registrant to extend the terrestrial field dissipation study currently in progress beyond 12 months (rather than start a new study) if the data indicate that a long term terrestrial field dissipation study is required, and the additional sampling required can be accomplished without cross contamination during sampling. However, if the study is extended beyond 12 months, the registrant should still submit a terrestrial field dissipation study by November 1990 using data collected up to the 12 month point. Any additional data collected after the initial 12 months of the study can be submitted at a later date as part of a long term terrestrial field dissipation study.

11. COMPLETION OF ONE-LINER:

Not applicable.

12. CBI INDEX:

Not applicable.