

US EPA ARCHIVE DOCUMENT

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Record No.

128825  
Shaughnessey No.

Review No.

EEB REVIEW

DATE: IN 04-13-88 OUT 08-04-88

FILE NUMBER 279-3055

DATE OF SUBMISSION 03-28-88

DATE RECEIVED BY HED 04-08-88

RD REQUESTED COMPLETION DATE 04-18-88

EEB ESTIMATED COMPLETION DATE 04-18-88

RD ACTION CODE 405

TYPE PRODUCT Synthetic Pyrethroid

DATA ACCESSION NO. 405694-02

PRODUCT MANAGER G. LaRocca (15)

PRODUCT NAME Bifenthrin

COMPANY NAME FMC Corporation

SUBMISSION PURPOSE Registrant response concerning gizzard

shad mortalities

SHAUGHNESSEY NO.

CHEMICAL


%AI

DATA EVALUATION RECORD

1. CHEMICAL: Bifenthrin
2. TEST MATERIAL: Formulated product, Capture 2EC
3. TEST TYPE: Microcosm/Sediment toxicity test
4. STUDY IDENTIFICATION: Drenner, R. W., K. D. Hoagland, J. D. Smith, W. J. Barcellona and P. C. Johnson. (1988)  
Experimental microcosm study of the effects of sediment-bound bifenthrin on gizzard shad and plankton. Unpublished report prepared by Texas Christian University for FMC. [EPA Accession No. 405694-02]

5. REVIEWED BY:

Les Touart  
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Signature:   
Date: 8-4-88

6. APPROVED BY:

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Signature:   
Date: 8-9-88

7. CONCLUSIONS:

The study is scientifically sound but does not address a specific Guidelines requirement. The study indicates that bifenthrin in association with sediment is very highly toxic to gizzard shad. An 8-day LC50 of 194.3 ppb (based on mean measured water concentrations) was demonstrated.

8. RECOMMENDATIONS: N/A

9. BACKGROUND:

10. DISCUSSION OF INDIVIDUAL TESTS: N/A