

219206
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


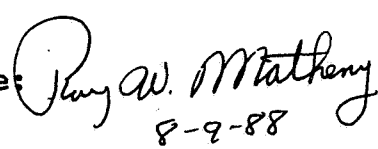
shad mortalities

SHAUGHNESSEY NO.

CHEMICAL

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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 Unpublished report prepared by Texas Christian University for FMC.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
Fisheries Biologist
Ecological Effects Branch
Signature: 
Date: 8-4-88
6. APPROVED BY:
Raymond Matheny
Supervisory Biologist
Ecological Effects Branch
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