

US EPA ARCHIVE DOCUMENT

DATA EVALUATION RECORD

6/9/1981

1. CHEMICAL: Copper
2. FORMULATION: Cutrine-Plus
3. CITATION: Lightner, Donald V. Residues of Cutrine-Plus in blue shrimp. Submitted by Applied Biochemist, Inc. in support of proposed registration of Aquatrine for use in shrimp culture facilities. Accession No. 245135  
MRID# R100A05
4. REVIEWED BY: Mary L. Gessner  
Fishery Biologist  
HED/EEB
5. DATE REVIEWED: 9 June 1981
6. TEST TYPE: Aquatic bioaccumulation study  
Species: Blue shrimp (Penaeus stylirostris)
7. REPORTED RESULTS: Investigators reported that no statistically significant accumulation could be demonstrated.
8. REVIEWER'S CONCLUSIONS: This study is inadequate to fulfill data requirements for pesticide registration. Two tests were run, a single treatment and multiple treatments, to determine bioconcentration potential. Tests were conducted under static conditions with 6 hour exposure periods. Recommended protocol for bioaccumulation studies call for flow-through tests, with the exposure phase continuing until an apparent steady-state is reached. Methods used in this study are not appropriate for establishing a bioconcentration potential.