

US EPA ARCHIVE DOCUMENT

MRI 439 23701

Document Number



2000938

DATA EVALUATION RECORD

1. CHEMICAL: Amitrole
2. FORMULATION: (3-amino-1,2,4-triazole) 90%
3. CITATION: McCann, J.A; 1976, Amitrole Toxicity to Rainbow trout: test No. 1052, (U.S. Environmental Protection Agency, Pesticide Regulation Div., Animal Biology Laboratory, unpublished report)
4. REVIEWED BY: Miachel Rexrode  
Fishery Biologist  
OPP/HED/EEB
5. DATE REVIEWED: 7/15/82
6. TEST TYPE: Acute 96-hour LC<sub>50</sub>
  - A. TEST SPECIES: ~~Blue gill sunfish~~ *Bluegill sunfish* (Lepomis macrochirus)
7. REPORTED RESULTS: No mortality occurred in the highest concentration tested during the 96 hour observation period. The LC<sub>50</sub> was greater than 180 ppm.
8. REVIEWERS CONCLUSIONS: This study is scientifically sound and with an LC<sub>50</sub> of greater than 180 ppm, Amitrole (90% a.i.) appears to be practically non-toxic to bluegill sunfish. This test does fulfill the requirement for an acute 96-hour warmwater fish study

### Methods and Materials

Test organisms averaged about 0.53g and were obtained from Harrison Lake National Fish Hatchery. Concentration levels ranged from 56 to 180 ppm. Test vessels contained 10 rainbow trout each. No mortality occurred in the highest concentration tested during the 96 hour observation period.

### Statistical Analysis:

None reported, since, no mortality occurred.

### Reviewer's Evaluation:

This study is acceptable and will fulfill guideline requirements.

### Conclusions:

Category: Core  
Repairability: N.A.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460  
**BIOLOGICAL REPORT OF ANALYSIS**

1. SAMPLE NO.	143232
2. DATE COLLECTED	N/A
3. REGION	N/A

**SAMPLE IDENTIFICATION**

4. LOT OR CODE NO(S) N/A	5. EPA REGISTRATION NO. 241-222	6. ESTABLISHMENT NO. N/A
7. PRODUCT NAME Amino Triazole Technical		
8. PRODUCER NAME AND ADDRESS (Include ZIP code) Bayer Leverkusen, West Germany		9. DEALER NAME AND ADDRESS (Include ZIP code) N/A

10. PHYSICAL FORM	EMULS. CONC.	PRESS. SPRAY	<input checked="" type="checkbox"/>	DUST	GRANULAR
	WET. POWDER	AEROSOL		BAIT	OTHER

11. INGREDIENTS  
Amitrole (3-amino-1,2,4-triazole) 90%

**TEST**

12. TYPE OF TEST Static jar Test #1052	13. TEST ORGANISM(S) Rainbow trout ( <u>Salmo gairdneri</u> ) Average weight: 0.84 gm. Source: Wytheville National Fish	14. METHOD NO.	TSD 1.206
		15. DURATION	96 hr
		16. CONCENTRATION	18-180 ppm
		17. DILUENT	None

18. SUMMARY Hatchery  
All information in this report is based on total formulation.  
No mortality within 96 hours at a concentration of 180 ppm.

19. RESULTS  
This product was added to vessels, each containing 10 rainbow trout, to obtain concentrations ranging from 18 to 180 ppm. No mortality occurred in the highest concentration tested during the 96 hour observation period.

20. TESTER'S INITS. F.G.P.	21. SIGNATURE OF LAB SUPERVISOR <i>John C. McLann</i>	22. LABORATORY Animal Biology	23. DATE 12/21/76
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TDMS \_\_\_\_\_

DATA EVALUATION RECORD

PAGE \_\_\_\_\_ OF \_\_\_\_\_

CASE GS \_\_\_\_\_

PM \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

CHEM \_\_\_\_\_

EFED Document Number

BRANCH \_\_\_\_\_ DISC \_\_\_\_\_ TOPIC \_\_\_\_\_



FORMULATION \_\_\_\_\_ - ACTIVE INGREDIENT

FICHE/MASTER 10 REOAMLO1 CONTENT CAT \_\_\_\_\_

McCann, J. A. (1976) Amitrole (9070): Toxicity to Rainbow Trout: Test No. 1052, (U.S. Environmental Protection Agency, Pesticide Regulation Div., Animal Biology Laboratory, unpublished report.)

SUBST. CLASS = \_\_\_\_\_

DIRECT RVW TIME = .25 (MH) START-DATE 7/15/82 END DATE 7/15/82

REVIEWED BY: Michael Rexrode  
TITLE: Fishery Biologist  
ORG: OPP/HED / EEB  
LOC/TEL:

SIGNATURE: *Michael Rexrode*

DATE: 7/15/82

APPROVED BY:  
TITLE:  
ORG:  
LOC/TEL:

SIGNATURE:

DATE: