

106401

8-14-78



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

BIOLOGICAL REPORT OF ANALYSIS

1. SAMPLE NO.

MB 466

2. DATE COLLECTED

N/A

3. REGION

N/A

SAMPLE IDENTIFICATION

4. LOT OR CODE NO(S).

N/A

5. EPA REGISTRATION NO.

241-250-AA

6. ESTABLISHMENT NO.

N/A

7. PRODUCT NAME

Avenge

8. PRODUCER NAME AND ADDRESS (Include ZIP code)

N/A

9. DEALER NAME AND ADDRESS (Include ZIP code)

N/A

10. PHYSICAL FORM

EMULS. CONC.

PRESS. SPRAY

DUST

GRANULAR

WET. POWDER

AEROSOL

BAIT

X

OTHER liquid

11. INGREDIENTS

Avenge 95%

TEST

12. TYPE OF TEST

Static jar

Test #2346

13. TEST ORGANISM(S)

Bluegill (*Lepomis macrochirus*)

Average weight: .974 gm.

Source: Harrison Lake National Fish Hatchery

14. METHOD NO. TSD 1.206

15. DURATION 96 hr

16. CONCENTRATION 6.5 - 140 ppm

17. DILUENT None

18. SUMMARY All information in this report is based on total formulation.

24-96 hr LC10 is 33.0 ppm (95% confidence limits of 43.76 to 24.89 ppm)

24-96 hr LC50 is 46.5 ppm (95% confidence limits of 58.52 to 36.95 ppm)

19. RESULTS

Concentration in ppm (% mortality given underneath)

Time	slope	chi 2	140	100	65	42	24	14	10	6.5	C
24 hr	1.3000	0.216	100%	100%	90%	30%	0	0	0	0	0
48 hr	1.3000	0.128	"	"	"	40%	0	0	0	0	0
96 hr	1.3000	0.91	"	"	90	50	0	10	20	20	10

One mortality curve fitted all three time periods with low contributions to chi. Since there was no mortality at 24 ppm, I do not feel the mortality at 14, 10 & 6.5 ppm at 96 hours is due to the toxicant. Consequently, they were not included in the calculations. Unfortunately, no D.O. readings were taken.

20. TESTER'S INITS.

21. SIGNATURE OF LAB SUPERVISOR

22. LABORATORY
Animal Biology

23. DATE

8/14/78