



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

BIOLOGICAL REPORT OF ANALYSIS

1. SAMPLE NO.

137020

2. DATE COLLECTED

N/A

3. REGION

N/A

SAMPLE IDENTIFICATION

4. LOT OR CODE NO(S).

N/A

5. EPA REGISTRATION NO.

9566-04

6. ESTABLISHMENT NO.

N/A

7. PRODUCT NAME

Kayazinon

8. PRODUCER NAME AND ADDRESS (Include ZIP code)

Nippon Kayaku Company
Japan

9. DEALER NAME AND ADDRESS (Include ZIP code)

PEI

10. PHYSICAL FORM

EMULS. CONC.

PRESS. SPRAY

DUST

GRANULAR

WET. POWDER

AEROSOL

BAIT

OTHER

11. INGREDIENTS

0,0-Diethyl 0-(2-isopropyl-⁶-methyl-⁴-pyrimidinyl)-phosphorothioate 87% ?

liquid

TEST

12. TYPE OF TEST

Static jar

Test # 1122

13. TEST ORGANISM(S)

Bluegill (*Lepomis macrochirus*)

Average weight in grams: 0.83

Source: Welaka National Fish Hatchery

14. METHOD NO.

TSD 1.206

15. DURATION

96 hr

16. CONCENTRATION

0.014-1.6 ppm

17. DILUENT

Acetone

18. SUMMARY

All information in this report is based on total formulation.

24 hour LC 10 is 0.195 ppm (95% confidence limits of 0.146 to 0.261 ppm)

24 hour LC 50 is 0.280 ppm (95% confidence limits of 0.220 to 0.357 ppm)

48 hour LC 50 is 0.155 ppm (95% confidence limits of 0.111 to 0.217 ppm)

96 hour LC 10 is 0.049 ppm (95% confidence limits of 0.032 to 0.075 ppm)

96 hour LC 50 is 0.091 ppm (95% confidence limits of 0.067 to 0.123 ppm) = 0.091 ppm

19. RESULTS

Time	Slope	Chi 2	Concentration in ppm (% mortality given below)						
			0.65	0.42	0.28	0.18	0.12	0.075	0.049
24 hr	1.318	0.593	100	100	50	0	0	0	0
48 hr	1.716	3.193	100	100	80	80	20	0	0
96 hr	1.637	6.814	100	100	100	80	90	0	0

20. TESTER'S INITI.

21. SIGNATURE OF LAB SUPERVISOR

22. LABORATORY

Animal Biology

23. DATE

10/18/77