

US EPA ARCHIVE DOCUMENT



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. WET. POWDER PRESS. SPRAY AEROSOL DUST BAIT GRANULAR OTHER **liquid**

11. INGREDIENTS
0,0-Diethyl O-(2-isopropyl-⁶-methyl-⁴-pyrimidinyl)-phosphorothioate 87%

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)

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 INITS. 21. SIGNATURE OF LAB SUPERVISOR 22. LABORATORY **Animal Biology** 23. DATE **10/18/77**