

US EPA ARCHIVE DOCUMENT

5-4-87
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DATA EVALUATION RECORD

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CASE: 238

DIAZINON

CONT-CAT: 02 GUIDELINES: 71-2

MRID: 22923

Hill, E.F.; Heath, R.G.; Spann, J.W.; et al. (1975) Lethal Dietary Toxicities of Environmental Pollutants to Birds: Special Scientific Report--Wildlife No. 191. (U.S. Dept. of the Interior, Fish and Wildlife Service, Patuxent Wildlife Research Center; Unpublished Report)

REVIEW RESULTS:

VALID INVALID INCOMPLETE

GUIDELINE: SATISFIED PARTIALLY SATISFIED NOT SATISFIED

DIRECT RVW TIME = 10 Minutes START DATE: 06/13/86 END DATE: 06/13/86

REVIEWED BY: *M* Margaret Rostker
TITLE: Wildlife Biologist
ORG: EEB/HED
LOC/TEL: 557-7562
SIGNATURE: *H.T. Craven*

5/4/87
DATE: 06/13/86

APPROVED BY: Harry Craven
TITLE: Supervisory Biologist
ORG: EEB/HED
LOC/TEL: 557-1741
SIGNATURE: *H.T. Craven*

DATE: *5/4/87*

This MRID number is changed to 0034769. The study is core.

D. Williams. *Francis* 62483

Table 1. Dietary toxicities of 131 compounds tested in 5-day diets of young bobwhites, Japanese quail, ring-necked pheasants, or mallards (1964-73)--continued

Compound	Species	Age (days) ^a	No. of conc. ^b	No. birds/ conc.	Toxicity statistics			
					LC ₅₀ ^c	(95% C.L.)	Slope ^d (S.D.)	RFDE (95% C.L.)
<u>DDT</u>								
	Bobwhite	23	5	7	611	(514- 724)	7.357 (2.489)	16.6 (13.4 -20.8)
	Japanese quail	7	6	12	568	(470- 687)	4.770 (1.367)	10.1 (7.9 -13.0)
	Ring-necked pheasant	21	4	7	311	(256- 374)	10.982 (4.644)	7.3 (5.9 - 8.9)
	Mallard	17	6	10	1869	(1500-2372)	3.896 (0.996)	9.6 (7.1 -13.3)
<u>DDVP</u>								
	Japanese quail	14	6	10	298	(257- 345)	6.535 (1.369)	5.1 (4.2 - 6.2)
	Ring-necked pheasant	10	6	10	568	(473- 675)	5.521 (1.315)	10.1 (8.1 -12.7)
	Mallard	16	3	10	>5000	(10% mortality at 1250 ppm, 30% at 5000 ppm)		
	Mallard	5	6	10	1317	(1043-1674)	2.349 (0.941)	8.3 (5.0 -13.5)
<u>Demeton</u>								
	Bobwhite	14	6	8	596	(472- 768)	4.510 (1.289)	13.5 ^f
	Japanese quail	12	6	10	275	(228- 327)	5.168 (1.314)	5.2 (4.0 - 6.5)
	Ring-necked pheasant	10	6	6	665	(572- 773)	7.238 (1.915)	10.2 (8.3 -12.5)
	Mallard	10	6	11	598	(488- 733)	2.689 (0.873)	4.3 (3.2 - 5.8)
<u>Malathion</u>								
	Bobwhite	10	4	8	245	(178- 324)	10.771 (3.271)	6.41 (4.29 - 9.44)
	Japanese quail	6	5	18	47	(40- 54)	6.962 (1.017)	1.11 (0.91 - 1.35)
	Ring-necked pheasant	22	4	8	44	(177- 322)	6.796 (1.794)	6.01 (4.19 - 9.18)
	Mallard	10	5	10	191	(138- 253)	3.687 (1.186)	0.94 (0.63 - 1.33)

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