

Table 7: Teratological defects in rat fetuses following different route of maternal exposure to dinoseb

	Gavage (doses mg/kg/day)				Diet
	0	7.5 ^c	10 ^c	15 ^d	200 ppm
Visceral malformations					
Affected fetuses	0/59	1/52	0/28	1/85	7/75 ^a
Affected litters	0/10	1/8	0/5	1/13	3/10
Bilateral microphthalmia	-	-	-	1	2
Unilateral	-	-	-	-	5
microphthalmia					
Hydronephrosis	-	1	-	-	-
Skeletal malformations					
Affected fetuses	0/59	1/50	0/27	0/90	0/79
Affected litters	0/10	1/8	0/5	0/13	0/10
Bifurcated ribs	-	1	-	-	-
Visceral anomalies					
Affected fetuses	0/59	0/52	0/28	1/85	0/75
Affected litters	0/10	0/8	0/5	1/13	0/10
Renal pelvis dilatation	-	-	-	1	-
Skeletal anomalies					
Affected fetuses	14/59	16/50	23/27 ^b	37/90 ^b	42/79 ^b
Affected litters	7/10	5/8	5/5	12/13	10/10
Asymmetrical sternebrae	3	2	6 ^a	7	8
Emisternebrae	1	-	4	6	7
Extra ribs	4	14 ^b	21 ^b	24 ^b	29 ^b
Reduced skull	5	-	-	-	-
ossification					
Sternebrae bipartite	-	-	2	-	-
Unossified sacral	-	-	-	-	1
vertebrae					
Vertebrae bipartite	1	-	1	7	1
Wavy ribs	2	-	-	3	3
No. of ossified (mean ± SD)					
Caudal vertebrae	3.7±0.5	3.5±0.4	3.4±0.5	3.2±0.4 _b	2.9±0.5 ^b
Metacarpals	3.6±0.2	3.8±0.2	3.5±0.4	3.5±0.3	3.2±0.3 ^b
Sternabrae	5.7±0.3	5.8±0.2	5.3±0.5	5.2±0.7 _a	5.3±0.5 ^a

^a = p<0.05^b = p<0.01^c = twice daily in corn oil^d = dissolved in NaOH