

Table 2: Teratological defects in rat fetuses following maternal treatment with dinoseb by gavage

	<u>Doses (mg/kg/day)</u>				
	0	2.5	5	10	15
Visceral malformations					
Affected fetuses	2/86	0/89	1/93	0/84	0/73
Affected litters	2/13	0/15	1/15	0/15	0/11
Cerebral hemorrhage	-	-	1	-	-
Diaphragmatic hernia	1	-	-	-	-
Ectopic adrenals	1	-	-	-	-
Ectopic ovary	1	-	-	-	-
Hydronephrosis	1	-	-	-	-
Skeletal malformations					
Affected fetuses	0/78 ^c	0/90	0/92	0/81 ^d	1/72 ^e
Affected litters	0/12	0/15	0/15	0/14	1/11
Agenesis 1 st & 4 th thoracic vertebral body	-	-	-	-	1
Fused ribs	-	-	-	-	1
Scoliosis	-	-	-	-	1
Sternebrae fused	-	-	-	-	1
Sternum bifurcated	-	-	-	-	1
Visceral anomalies					
Affected fetuses	1/86	1/89	1/93	0/84	0/73
Affected litters	1/13	1/15	1/15	0/15	0/11
Renal pelvis dilatation	1	1	1	-	-
Skeletal anomalies					
Affected fetuses	24/78 ^c	20/90	32/92	35/81 ^d	37/72 ^{a,e}
Affected litters	10/12	10/15	13/15	13/14	11/11
Asymmetrical sternebrae	4	6	12	6	5
Emisternebrae	7	2	4	3	2
Extra ribs	12	7	17	25 ^a	27
Reduced pelvic girdle	-	-	-	1	1
ossification					
Reduced skull ossification	3	1	5	4	4
Reduced vertebral body ossification	-	-	-	1	-
Sternebrae bipartite	2	3	1	-	-
Vertebrae bipartite	-	2	3	-	2
Wavy ribs	1	-	2	6	2
No. of ossified (mean ± SD)					
Caudal vertebrae	3.8±0.4	3.6±0.5	3.5±0.4	3.6±0.5	3.8±0.3
Metacarpals	3.9±0.1	3.8±0.3	3.8±0.1	3.8±0.2	3.6±0.2 ^b
Sternebrae	5.7±0.2	5.8±0.2	5.7±0.3	5.8±0.3	5.4±0.3 ^a

^a p<0.05^b p<0.01^c 5, ^d 5 and ^e 1 fetus lost during preparation.