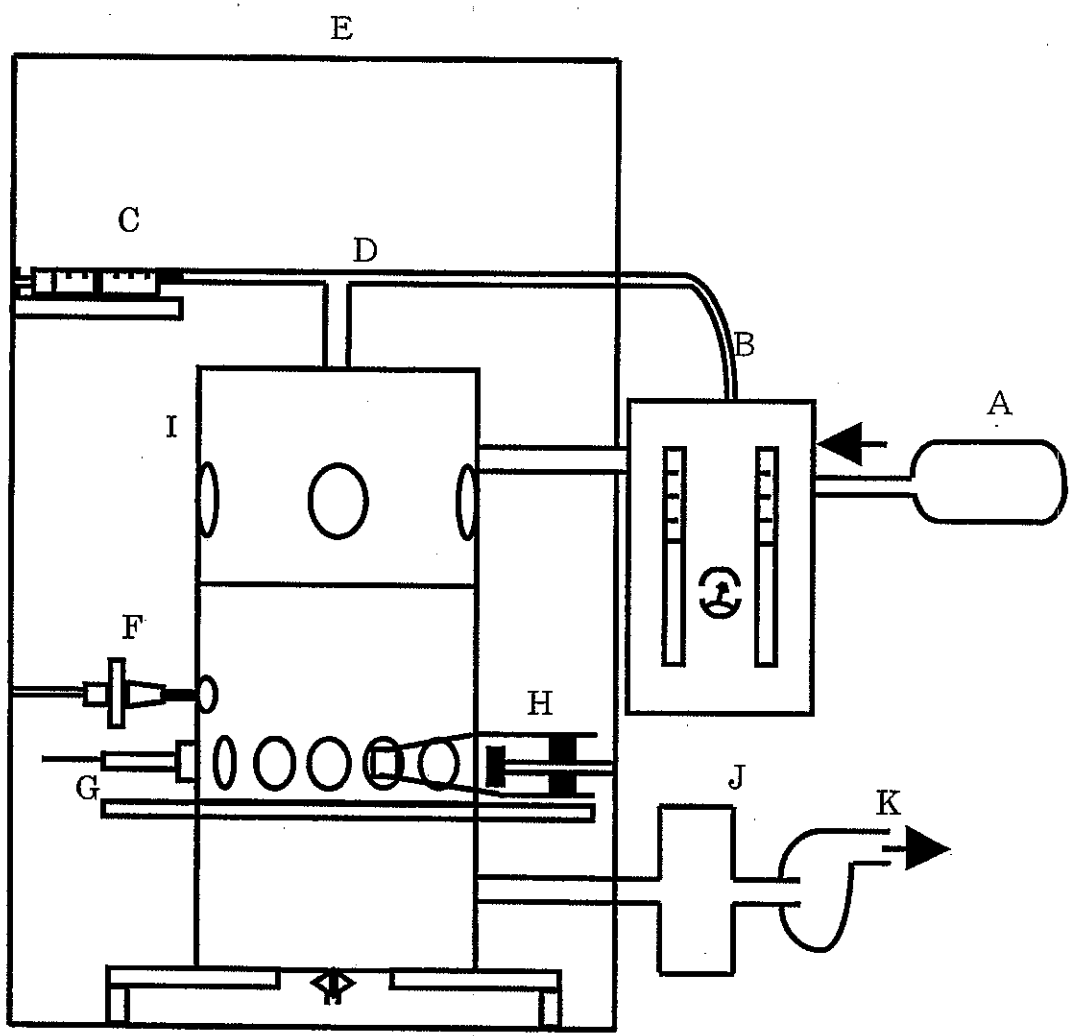
Figures 1、2

Tables 1－19

注）最終報告書(英文)の p29～p107

Appendices は添付を省略。



A : Compressor
B : Metered air supply
C : Automatic injector
D : Nebuliser
E : Booth
F : Sampling line
G : Thermometer and Hygrometer
H : Animal holder
I : Flow through type chamber
J : Filter
K : Blower pump

Figure 1. Diagram of mist generator and animal exposure system for nose only inhalation toxicity study

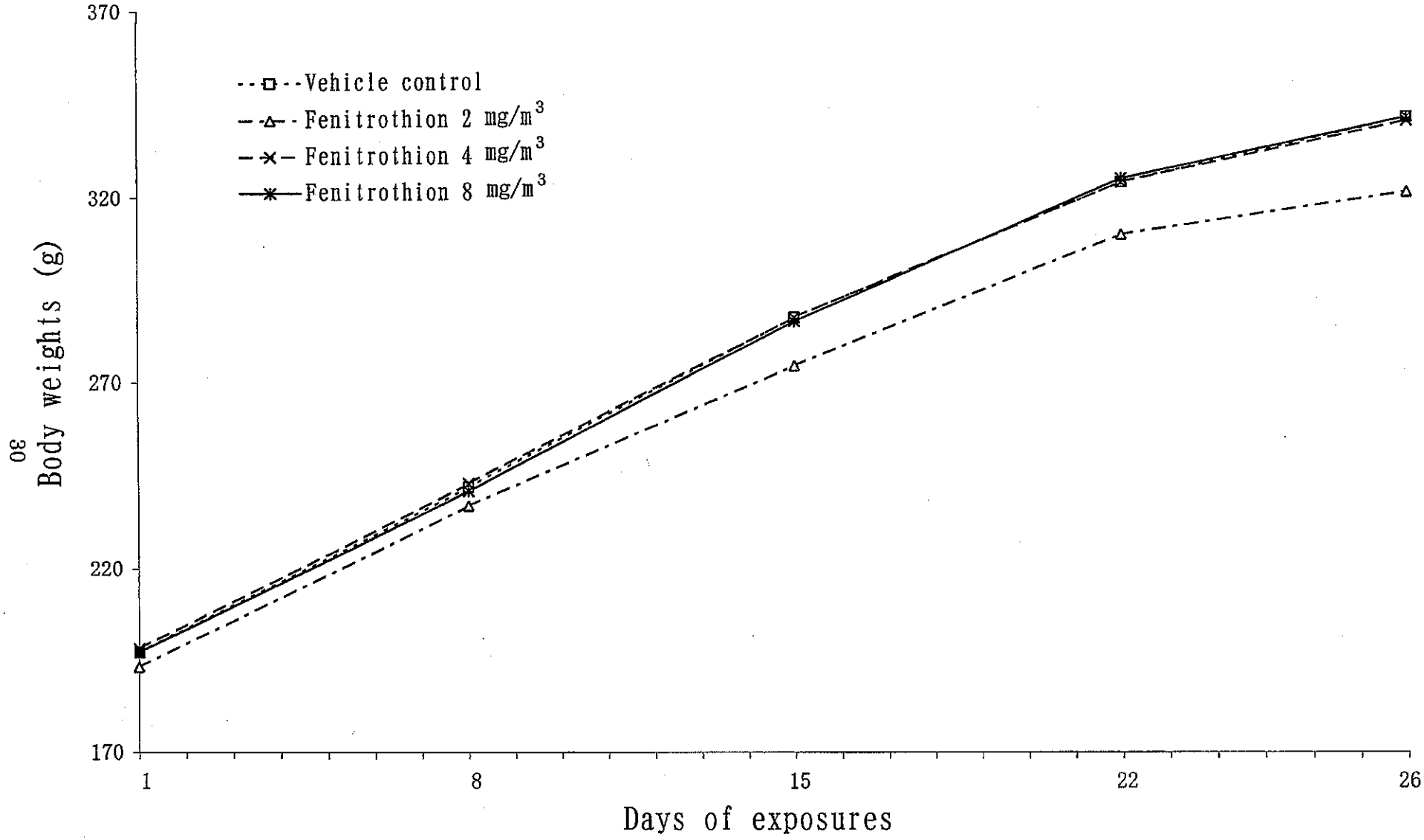


Figure 2-1. Body weights (Male)

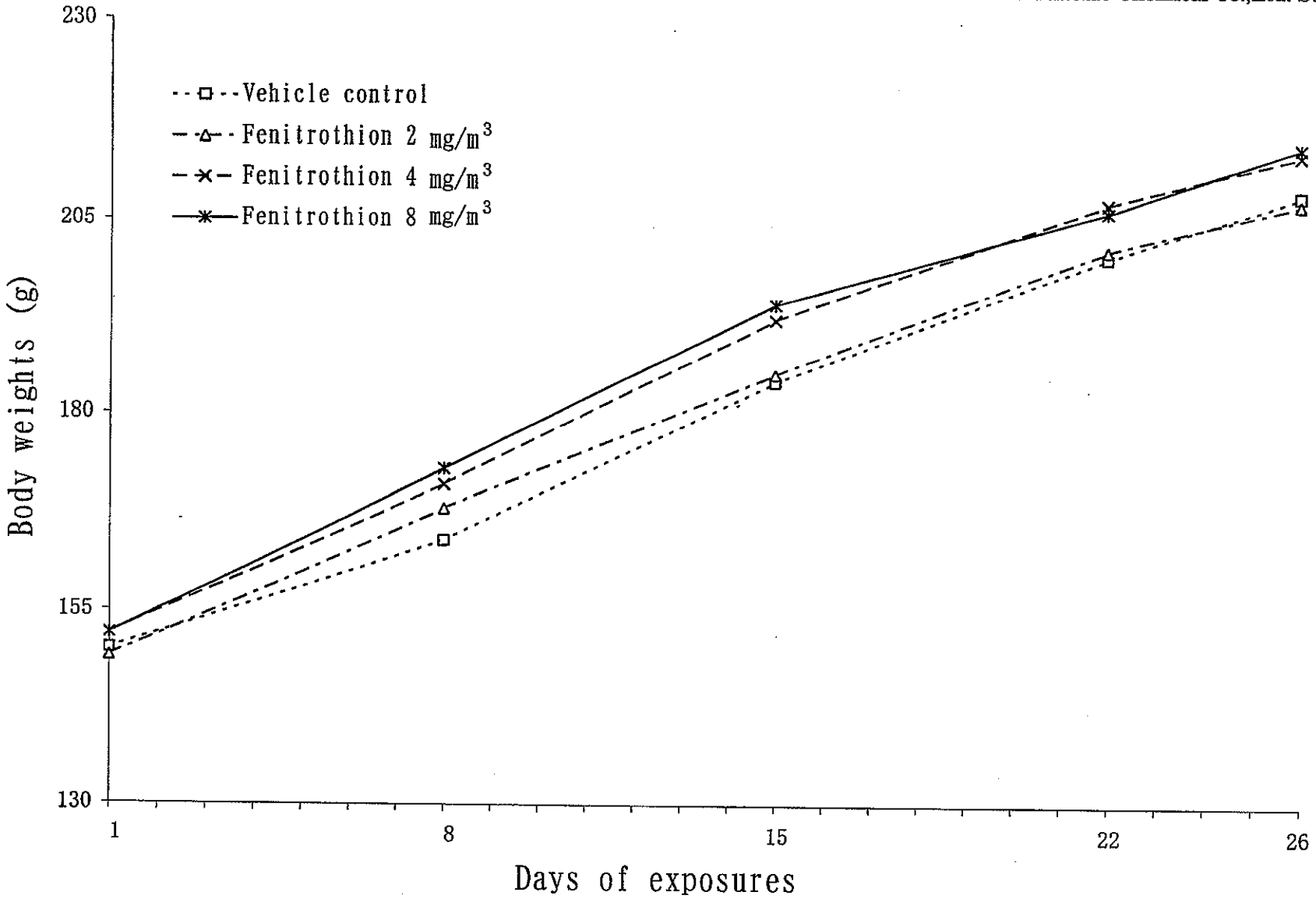


Figure 2-2. Body weights (Female)

Table 1. Nominal aerial concentration

Group and dose	Days of exposure	Amount of corn oil sprayed (g)	Nominal aerial concentration of corn oil (g/m^3)
Vehicle control	1	26.17	3.63
	2	28.67	3.98
	3	28.54	3.96
	4	28.48	3.96
	5	28.71	3.99
	8	28.51	3.96
	9	28.69	3.98
	10	28.62	3.98
	11	28.41	3.95
	12	28.69	3.98
	15	28.59	3.97
	16	28.57	3.97
	17	28.67	3.98
	18	28.63	3.98
	19	28.61	3.97
	22	30.14	4.19
	23	28.83	4.00
	24	28.60	3.97
	25	28.70	3.99
	26	28.44	3.95
	Mean	28.56	3.97
	S.D.	0.667	0.093

$$\text{Nominal aerial concentration} = \frac{\text{Amount of corn oil sprayed (g)}}{\text{Air flow rate} \times \text{Spraying time}}$$

$$= \frac{\text{Amount of corn oil sprayed (g)}}{0.020(m^3/min) \times 360min}$$

Table 1. Nominal aerial concentration (continued)

Group and dose	Days of exposure	Amount of Fenitrothion & corn oil sprayed (g)	Nominal aerial concentration of Fenitrothion (mg/m^3)
Fenitrothion	1	19.21	8.81
$2mg/m^3$	2	20.45	9.37
	3	20.14	9.24
	4	20.15	9.24
	5	20.51	9.41
	8	20.22	9.27
	9	20.17	9.24
	10	20.23	9.27
	11	20.09	9.21
	12	20.27	9.31
	15	20.23	9.27
	16	22.82	10.5
	17	22.11	10.1
	18	22.11	10.1
	19	22.81	10.5
	22	22.29	10.2
	23	22.17	10.2
	24	22.10	10.1
	25	22.54	10.3
	26	22.02	10.1
	Mean	21.13	9.69
	S.D.	1.156	0.530

$$\text{Nominal aerial concentration} = \frac{\text{Amount of Fenitrothion \& Corn oil sprayed (g)}}{\text{Air flow rate} \times \text{Spraying time}} \times \text{Concentration of Fenitrothion} \times 1000$$

$$= \frac{\text{Amount of Fenitrothion \& Corn oil sprayed (g)}}{0.020(m^3/min) \times 360min} \times \text{Concentration of Fenitrothion} \times 1000$$

Table 1. Nominal aerial concentration (continued)

Group and dose	Days of exposure	Amount of Fenitrothion & corn oil sprayed (g)	Nominal aerial concentration of Fenitrothion (mg/m^3)
Fenitrothion	1	25.79	24.0
$4mg/m^3$	2	30.51	28.4
	3	30.25	28.1
	4	30.27	28.1
	5	30.43	28.3
	8	30.10	28.0
	9	30.11	28.0
	10	30.29	28.2
	11	30.03	27.9
	12	30.33	28.2
	15	30.11	28.0
	16	30.16	28.1
	17	30.41	28.3
	18	30.14	28.1
	19	29.95	27.9
	22	30.97	28.8
	23	31.77	29.5
	24	31.73	29.5
	25	31.91	29.7
	26	29.10	27.1
	Mean	30.22	28.1
	S.D.	1.242	1.15

$$\text{Nominal aerial concentration} = \frac{\text{Amount of Fenitrothion \& Corn oil sprayed (g)}}{\text{Air flow rate} \times \text{Spraying time}} \times \text{Concentration of Fenitrothion} \times 1000$$

$$= \frac{\text{Amount of Fenitrothion \& Corn oil sprayed (g)}}{0.020(m^3/min) \times 360min} \times \text{Concentration of Fenitrothion} \times 1000$$

Table 1. Nominal aerial concentration (continued)

Group and dose	Days of exposure	Amount of Fenitrothion & corn oil sprayed (g)	Nominal aerial concentration of Fenitrothion (mg/m^3)
Fenitrothion	1	23.20	42.8
$8mg/m^3$	2	23.75	43.9
	3	23.50	43.4
	4	23.56	43.5
	5	23.83	44.0
	8	23.57	43.5
	9	23.85	44.0
	10	23.45	43.4
	11	23.42	43.2
	12	23.73	43.9
	15	23.58	43.6
	16	23.50	43.4
	17	23.87	44.2
	18	23.52	43.5
	19	23.44	43.4
	22	23.67	43.8
	23	23.51	43.5
	24	23.68	43.8
	25	23.88	44.2
	26	23.47	43.4
	Mean	23.60	43.6
	S.D.	0.179	0.35

$$\text{Nominal aerial concentration} = \frac{\text{Amount of Fenitrothion \& Corn oil sprayed (g)}}{\text{Air flow rate} \times \text{Spraying time}} \times \text{Concentration of Fenitrothion} \times 1000$$

$$= \frac{\text{Amount of Fenitrothion \& Corn oil sprayed (g)}}{0.020(m^3/min) \times 360min} \times \text{Concentration of Fenitrothion} \times 1000$$

Table 2-1. Actual aerial concentration · Chemical analysis data

Group and dose	Concentration of Fenitrothion in test solution (%(wt/wt))	Days of exposure	Times	Analytical data[a)] (mg/ filter)	Actual aerial concentration[b)] (mg/m^3)
Fenitrothion 2mg/m^3	0.33	1	1st	0.017	1.7
			2nd	0.022	2.2
		8	1st	0.019	1.9
			2nd	0.020	2.0
		15	1st	0.019	1.9
			2nd	0.019	1.9
		22	1st	0.019	1.9
			2nd	0.021	2.1
			Mean	0.020	2.0
			S.D.	0.0015	0.15
Fenitrothion 4mg/m^3	0.67	1	1st	0.034	3.4
			2nd	0.037	3.7
		8	1st	0.042	4.2
			2nd	0.042	4.2
		15	1st	0.040	4.0
			2nd	0.035	3.5
		22	1st	0.034	3.4
			2nd	0.036	3.6
			Mean	0.038	3.8
			S.D.	0.0034	0.34
Fenitrothion 8mg/m^3	1.33	1	1st	0.063	6.3
			2nd	0.078	7.8
		8	1st	0.074	7.4
			2nd	0.078	7.8
		15	1st	0.077	7.7
			2nd	0.063	6.3
		22	1st	0.076	7.6
			2nd	0.079	7.9
			Mean	0.074	7.4
			S.D.	0.0067	0.67

a) Amount of Fenitrothion in glass filter trapping air (10L) in the exposure chamber

b) Actual aerial concentration of Fenitrothion = Analytical data / Trapping air (10L) ×1000

Table 2-2. Actual aerial concentration · Gravimetric analysis data

Group and dose	Concentration of Fenitrothion in test solution (%(wt/wt))	Days of exposure	Times	Analytical data[a] (mg/ filter)	Actual aerial concentration[b] (mg/m^3)
Vehicle control	0	1	1st	4.58	458
			2nd	5.12	512
			3rd	5.59	559
		2	1st	5.83	583
			2nd	5.76	576
			3rd	5.76	576
		3	1st	5.53	553
			2nd	5.60	560
			3rd	5.62	562
		4	1st	6.45	645
			2nd	6.90	690
			3rd	6.56	656
		5	1st	6.22	622
			2nd	6.15	615
			3rd	6.02	602
		8	1st	6.30	630
			2nd	6.17	617
			3rd	6.28	628
		9	1st	6.07	607
			2nd	6.51	651
			3rd	6.28	628
		10	1st	5.79	579
			2nd	6.21	621
			3rd	6.28	628
		11	1st	6.42	642
			2nd	6.82	682
			3rd	6.59	659
		12	1st	6.22	622
			2nd	6.59	659
			3rd	6.52	652
		15	1st	5.61	561
			2nd	6.24	624
			3rd	6.43	643
		16	1st	6.70	670
			2nd	6.89	689
			3rd	6.89	689
		17	1st	6.53	653
			2nd	6.53	653
			3rd	6.47	647
		18	1st	6.98	698
			2nd	6.16	616
			3rd	6.38	638
		19	1st	6.24	624
			2nd	6.64	664
			3rd	6.62	662
		22	1st	5.26	526
			2nd	5.36	536
			3rd	5.87	587
		23	1st	7.40	740
			2nd	6.49	649
			3rd	4.32	432
		24	1st	6.43	643
			2nd	6.10	610
			3rd	6.00	600
		25	1st	6.45	645
			2nd	6.27	627
			3rd	6.32	632
		26	1st	6.43	643
			2nd	6.45	645
			3rd	6.34	634
			Mean	6.19	619
			S.D.	0.547	54.7

a) Amount of corn oil in glass filter trapping air (10L) in the exposure chamber

b) Actual aerial concentration of corn oil = Analytical data / Trapping air (10L) × 1000

Table 2-2. Actual aerial concentration - Gravimetric analysis data (continued)

Group and dose	Concentration of Fenitrothion in test solution (%(wt/wt))	Days of exposure	Times	Analytical data[a] (mg/ filter)	Actual aerial concentration[b] (mg/m^3)
Fenitrothion 2mg/m^3	0.33	1	1st	5.81	1.92
			2nd	5.57	1.84
			3rd	6.27	2.07
		2	1st	6.48	2.14
			2nd	6.26	2.07
			3rd	6.25	2.06
		3	1st	6.10	2.01
			2nd	6.40	2.11
			3rd	6.16	2.03
		4	1st	5.83	1.92
			2nd	5.86	1.93
			3rd	6.20	2.05
		5	1st	6.35	2.10
			2nd	6.20	2.05
			3rd	6.32	2.09
		8	1st	5.82	1.92
			2nd	5.86	1.93
			3rd	5.99	1.98
		9	1st	6.07	2.00
			2nd	6.03	1.99
			3rd	6.29	2.08
		10	1st	6.31	2.08
			2nd	7.32	2.42
			3rd	6.02	1.99
		11	1st	5.80	1.91
			2nd	5.96	1.97
			3rd	6.18	2.04
		12	1st	6.12	2.02
			2nd	6.09	2.01
			3rd	6.11	2.02
		15	1st	5.85	1.93
			2nd	5.69	1.88
			3rd	5.64	1.86
		16	1st	6.87	2.27
			2nd	6.77	2.23
			3rd	6.64	2.19
		17	1st	6.99	2.31
			2nd	6.46	2.13
			3rd	6.72	2.22
		18	1st	6.19	2.04
			2nd	6.25	2.06
			3rd	6.12	2.02
		19	1st	6.57	2.17
			2nd	6.53	2.15
			3rd	6.48	2.14
		22	1st	6.50	2.15
			2nd	6.36	2.10
			3rd	6.47	2.14
		23	1st	6.24	2.06
			2nd	6.34	2.09
			3rd	6.24	2.06
		24	1st	6.27	2.07
			2nd	6.47	2.14
			3rd	6.43	2.12
		25	1st	6.38	2.11
			2nd	6.48	2.14
			3rd	6.55	2.16
		26	1st	6.37	2.10
			2nd	6.28	2.07
			3rd	6.02	1.99
			Mean	6.25	2.06
			S.D.	0.327	0.109

a) Amount of Fenitrothion&corn oil in glass filter trapping air (10L) in the exposure chamber

b) Actual aerial concentration of Fenitrothion = Analytical data ×Concentration of Fenitrothion in test solution / Trapping air (10L) ×1000

Table 2-2. Actual aerial concentration - Gravimetric analysis data (continued)

Group and dose	Concentration of Fenitrothion in test solution (%(wt/wt))	Days of exposure	Times	Analytical data[a] (mg/ filter)	Actual aerial concentration[b] (mg/m^3)
Fenitrothion 4mg/m^3	0.67	1	1st	5.53	3.71
			2nd	5.43	3.64
			3rd	5.47	3.66
		2	1st	5.34	3.58
			2nd	6.33	4.24
			3rd	5.98	4.01
		3	1st	6.38	4.27
			2nd	6.30	4.22
			3rd	6.26	4.19
		4	1st	6.10	4.09
			2nd	5.98	4.01
			3rd	6.12	4.10
		5	1st	6.07	4.07
			2nd	5.95	3.99
			3rd	6.16	4.13
		8	1st	6.12	4.10
			2nd	6.18	4.14
			3rd	6.16	4.13
		9	1st	5.90	3.95
			2nd	6.01	4.03
			3rd	6.04	4.05
		10	1st	6.16	4.13
			2nd	6.09	4.08
			3rd	6.27	4.20
		11	1st	6.20	4.15
			2nd	6.00	4.02
			3rd	6.07	4.07
		12	1st	6.19	4.15
			2nd	6.17	4.13
			3rd	6.09	4.08
		15	1st	6.07	4.07
			2nd	5.96	3.99
			3rd	6.15	4.12
		16	1st	5.80	3.89
			2nd	5.80	3.89
			3rd	6.02	4.03
		17	1st	6.11	4.09
			2nd	6.12	4.10
			3rd	6.14	4.11
		18	1st	6.00	4.02
			2nd	5.67	3.80
			3rd	5.92	3.97
		19	1st	5.89	3.95
			2nd	5.60	3.75
			3rd	5.47	3.66
		22	1st	5.51	3.69
			2nd	5.50	3.69
			3rd	5.53	3.71
		23	1st	6.26	4.19
			2nd	6.04	4.05
			3rd	6.06	4.06
		24	1st	6.41	4.29
			2nd	5.92	3.97
			3rd	5.91	3.96
		25	1st	6.42	4.30
			2nd	6.69	4.48
			3rd	7.03	4.71
		26	1st	5.22	3.50
			2nd	5.42	3.63
			3rd	5.48	3.67
			Mean	5.99	4.01
			S.D.	0.336	0.224

a) Amount of Fenitrothion&corn oil in glass filter trapping air (10L) in the exposure chamber

b) Actual aerial concentration of Fenitrothion = Analytical data ×Concentration of Fenitrothion in test solution / Trapping air (10L) ×1000

Table 2-2. Actual aerial concentration - Gravimetric analysis data (continued)

Group and dose	Concentration of Fenitrothion in test solution (%(wt/wt))	Days of exposure	Times	Analytical data[a] (mg/ filter)	Actual aerial concentration[b] (mg/m^3)
Fenitrothion 8mg/m^3	1.33	1	1st	5.16	6.86
			2nd	5.94	7.90
			3rd	5.92	7.87
		2	1st	6.10	8.11
			2nd	6.02	8.01
			3rd	5.97	7.94
		3	1st	6.01	7.99
			2nd	6.20	8.25
			3rd	5.97	7.94
		4	1st	5.77	7.67
			2nd	5.86	7.79
			3rd	5.72	7.61
		5	1st	5.78	7.69
			2nd	5.92	7.87
			3rd	6.09	8.10
		8	1st	5.62	7.47
			2nd	5.81	7.73
			3rd	5.70	7.58
		9	1st	5.74	7.63
			2nd	5.81	7.73
			3rd	5.89	7.83
		10	1st	5.84	7.77
			2nd	5.81	7.73
			3rd	6.01	7.99
		11	1st	6.09	8.10
			2nd	6.07	8.07
			3rd	6.17	8.21
		12	1st	5.97	7.94
			2nd	6.04	8.03
			3rd	6.14	8.17
		15	1st	5.88	7.82
			2nd	5.84	7.77
			3rd	5.88	7.82
		16	1st	5.83	7.75
			2nd	5.97	7.94
			3rd	6.01	7.99
		17	1st	6.07	8.07
			2nd	6.00	7.98
			3rd	5.99	7.97
		18	1st	5.94	7.90
			2nd	5.96	7.93
			3rd	5.88	7.82
		19	1st	6.06	8.06
			2nd	6.10	8.11
			3rd	5.91	7.86
		22	1st	6.17	8.21
			2nd	6.18	8.22
			3rd	6.16	8.19
		23	1st	6.29	8.37
			2nd	6.59	8.76
			3rd	6.58	8.75
		24	1st	6.50	8.65
			2nd	6.47	8.61
			3rd	6.40	8.51
		25	1st	6.20	8.25
			2nd	5.89	7.83
			3rd	6.13	8.15
		26	1st	6.34	8.43
			2nd	6.53	8.68
			3rd	6.37	8.47
			Mean	6.02	8.01
			S.D.	0.250	0.333

a) Amount of Fenitrothion&corn oil in glass filter trapping air (10L) in the exposure chamber

b) Actual aerial concentration of Fenitrothion = Analytical data ×Concentration of Fenitrothion in test solution / Trapping air (10L) ×1000

Table 3. Particle size distribution

Group and dose : Vehicle control

Stage	Cut-off size	Amount collected (mg)								
	(μm)	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
3	14.9	0.01	0.00	0.00	0.05	0.00	0.07	0.03	0.03	0.19
4	8.9	0.01	0.06	0.02	0.07	0.04	0.06	0.12	0.06	0.44
5x	5.1	0.41	0.41	0.28	0.49	0.46	0.45	0.35	0.44	3.29
6	2.1	0.50	0.70	0.79	0.92	0.85	0.73	0.56	0.63	5.68
7	1.55	0.74	0.71	0.68	0.48	0.39	0.80	0.61	0.77	5.18
8	0.75	0.17	0.11	0.11	0.17	0.16	0.15	0.11	0.11	1.09
Filter	0.0	0.19	0.13	0.23	0.13	0.17	0.21	0.11	0.18	1.35
	Total	2.03	2.12	2.11	2.31	2.07	2.47	1.89	2.22	17.22

Calculation

Cut-off size	% less than size (cumulative)								
(μm)	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
14.9	99.5	100.0	100.0	97.8	100.0	97.2	98.4	98.6	98.9
8.9	99.0	97.2	99.1	94.8	98.1	94.7	92.1	95.9	96.3
5.1	78.8	77.8	85.8	73.6	75.8	76.5	73.5	76.1	77.2
2.1	54.2	44.8	48.3	33.8	34.8	47.0	43.9	47.7	44.3
1.55	17.7	11.3	16.1	13.0	15.9	14.6	11.6	13.1	14.2
0.75	9.4	6.1	10.9	5.6	8.2	8.5	5.8	8.1	7.8
MMAD	2.35	2.68	2.31	3.03	2.73	2.68	2.92	2.66	2.67
GSD	2.12	2.00	2.01	2.13	2.06	2.29	2.21	2.19	2.14

MMAD; Mass median aerodynamic diameter

GSD; Geometric standard deviation

Table 3. Particle size distribution (continued)

Group and dose : Fenitrothion 2mg/m^3

Stage	Cut-off size	Amount collected (mg)								
	(μm)	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
3	14.9	0.00	0.03	0.05	0.00	0.01	0.07	0.03	0.01	0.20
4	8.9	0.01	0.03	0.01	0.04	0.01	0.00	0.00	0.04	0.14
5x	5.1	0.19	0.25	0.27	0.31	0.27	0.30	0.29	0.27	2.15
6	2.1	0.72	0.67	0.85	0.69	0.73	0.78	0.65	0.66	5.75
7	1.55	0.93	0.79	0.53	0.73	0.73	0.74	0.80	0.70	5.95
8	0.75	0.24	0.19	0.30	0.27	0.14	0.26	0.24	0.21	1.85
Filter	0.0	0.19	0.23	0.30	0.19	0.12	0.25	0.21	0.22	1.71
	Total	2.28	2.19	2.31	2.23	2.01	2.40	2.22	2.11	17.75

Calculation

Cut-off size	% less than size (cumulative)								
(μm)	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
14.9	100.0	98.6	97.8	100.0	99.5	97.1	98.6	99.5	98.9
8.9	99.6	97.3	97.4	98.2	99.0	97.1	98.6	97.6	98.1
5.1	91.2	85.8	85.7	84.3	85.6	84.6	85.6	84.8	86.0
2.1	59.6	55.3	48.9	53.4	49.3	52.1	56.3	53.6	53.6
1.55	18.9	19.2	26.0	20.6	12.9	21.3	20.3	20.4	20.1
0.75	8.3	10.5	13.0	8.5	6.0	10.4	9.5	10.4	9.6
MMAD	2.08	2.25	2.21	2.26	2.44	2.31	2.22	2.25	2.25
GSD	1.87	2.16	2.30	2.04	1.91	2.27	2.11	2.12	2.10

MMAD; Mass median aerodynamic diameter

GSD; Geometric standard deviation

Table 3. Particle size distribution (continued)

Group and dose : Fenitrothion 4mg/m^3

Stage	Cut-off size	Amount collected (mg)								
	(μm)	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
3	14.9	0.04	0.00	0.00	0.05	0.01	0.02	0.00	0.09	0.21
4	8.9	0.05	0.06	0.08	0.07	0.05	0.11	0.05	0.14	0.61
5x	5.1	0.37	0.49	0.42	0.48	0.46	0.44	0.44	0.46	3.56
6	2.1	0.54	0.65	0.61	0.55	0.56	0.59	0.81	0.81	5.12
7	1.55	0.59	0.68	0.66	0.64	0.65	0.60	0.29	0.27	4.38
8	0.75	0.00	0.12	0.09	0.18	0.12	0.07	0.11	0.13	0.82
Filter	0.0	0.00	0.12	0.02	0.17	0.15	0.02	0.11	0.13	0.72
	Total	1.59	2.12	1.88	2.14	2.00	1.85	1.81	2.03	15.42

Calculation

Cut-off size	% less than size (cumulative)								
(μm)	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
14.9	97.5	100.0	100.0	97.7	99.5	98.9	100.0	95.6	98.6
8.9	94.3	97.2	95.7	94.4	97.0	93.0	97.2	88.7	94.7
5.1	71.1	74.1	73.4	72.0	74.0	69.2	72.9	66.0	71.6
2.1	37.1	43.4	41.0	46.3	46.0	37.3	28.2	26.1	38.4
1.55	0.0	11.3	5.9	16.4	13.5	4.9	12.2	12.8	10.0
0.75	0.0	5.7	1.1	7.9	7.5	1.1	6.1	6.4	4.7
MMAD	3.46	2.78	3.06	2.75	2.68	3.33	3.02	3.50	3.04
GSD	1.88	2.02	1.87	2.32	2.13	1.96	1.99	2.34	2.09

MMAD; Mass median aerodynamic diameter

GSD; Geometric standard deviation

Table 3. Particle size distribution (continued)

Group and dose : Fenitrothion 8mg/m^3

Stage	Cut-off size	Amount collected (mg)								
	(μ m)	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
3	14.9	0.00	0.00	0.00	0.01	0.02	0.06	0.01	0.03	0.13
4	8.9	0.01	0.07	0.04	0.07	0.00	0.04	0.05	0.05	0.33
5x	5.1	0.30	0.32	0.36	0.32	0.30	0.28	0.35	0.31	2.54
6	2.1	0.58	0.73	0.66	0.78	0.43	0.67	0.48	0.53	4.86
7	1.55	0.65	0.44	0.42	0.41	0.77	0.69	0.78	0.82	4.98
8	0.75	0.16	0.27	0.20	0.18	0.21	0.23	0.21	0.23	1.69
Filter	0.0	0.27	0.31	0.30	0.29	0.33	0.14	0.31	0.33	2.28
	Total	1.97	2.14	1.98	2.06	2.06	2.11	2.19	2.30	16.81

Calculation

Cut-off size	% less than size (cumulative)								
(μ m)	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
14.9	100.0	100.0	100.0	99.5	99.0	97.2	99.5	98.7	99.2
8.9	99.5	96.7	98.0	96.1	99.0	95.3	97.3	96.5	97.3
5.1	84.3	81.8	79.8	80.6	84.5	82.0	81.3	83.0	82.2
2.1	54.8	47.7	46.5	42.7	63.6	50.2	59.4	60.0	53.2
1.55	21.8	27.1	25.3	22.8	26.2	17.5	23.7	24.3	23.6
0.75	13.7	14.5	15.2	14.1	16.0	6.6	14.2	14.3	13.6
MMAD	2.12	2.20	2.24	2.37	1.95	2.53	2.11	2.10	2.20
GSD	2.13	2.30	2.30	2.31	2.29	2.21	2.31	2.36	2.29

MMAD; Mass median aerodynamic diameter

GSD; Geometric standard deviation

Table 4. Temperature in exposure chamber

Days of exposure	Group and dose	Vehicle control		Fenitrothion 2mg/m^3		Fenitrothion 4mg/m^3		Fenitrothion 8mg/m^3	
	Temperature (℃)	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1		25.0	22.8	23.6	22.0	23.6	22.2	23.6	22.2
2		25.0	22.9	23.6	22.1	23.6	22.1	23.6	22.1
3		25.1	23.3	23.7	22.0	23.7	22.1	23.6	22.1
4		24.9	23.3	23.5	22.3	23.5	22.0	23.5	21.9
5		25.1	23.0	23.7	22.0	23.7	22.1	23.7	22.2
8		25.0	23.1	23.5	22.1	23.4	21.8	23.5	22.0
9		25.1	23.2	23.5	22.1	23.5	22.0	23.5	22.0
10		25.1	23.0	23.6	22.0	23.5	21.9	23.5	22.0
11		25.0	22.7	23.5	22.1	23.4	22.1	23.4	22.2
12		24.9	22.9	23.5	22.1	23.5	22.0	23.5	22.0
15		25.2	22.7	23.5	22.0	23.5	21.9	23.5	21.8
16		25.1	23.0	23.5	22.1	23.6	22.3	23.5	22.1
17		25.1	22.8	23.5	21.9	23.5	22.0	23.5	21.9
18		25.1	23.2	23.6	22.2	23.5	22.0	23.6	22.0
19		25.3	22.7	23.5	21.9	23.5	22.0	23.5	22.0
22		25.0	23.0	23.6	22.1	23.6	22.2	23.6	22.1
23		25.1	22.3	23.5	22.3	23.6	22.3	23.6	22.1
24		25.0	22.9	23.5	22.0	23.5	22.1	23.6	22.1
25		25.0	22.8	23.5	21.9	23.5	22.0	23.6	22.0
26		25.1	22.9	23.5	21.7	23.5	21.7	23.6	21.9
Mean		25.1	22.9	23.5	22.0	23.5	22.0	23.6	22.0
S.D.		0.09	0.24	0.07	0.14	0.08	0.15	0.07	0.11
Max. / Min.		25.3	22.3	23.7	21.7	23.7	21.7	23.7	21.8

Table 5. Relative humidity in exposure chamber

Days of exposure	Group and dose	Vehicle control		Fenitrothion 2mg/m^3		Fenitrothion 4mg/m^3		Fenitrothion 8mg/m^3	
	Humidity (%)	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1		68.8	31.2	65.1	19.5	36.8	24.9	70.0	21.9
2		68.6	32.3	68.4	19.5	46.3	26.5	63.4	24.1
3		64.7	30.6	64.9	21.3	42.1	26.0	61.4	20.4
4		64.8	30.9	65.7	22.0	40.3	28.8	60.6	23.7
5		64.6	30.0	66.4	21.5	44.4	23.8	60.6	21.1
8		69.7	28.3	64.3	18.1	59.4	27.8	59.7	19.6
9		68.9	27.2	67.7	18.6	67.3	26.3	66.3	21.6
10		65.7	28.3	64.4	19.1	64.6	31.9	63.8	23.0
11		65.5	28.6	65.4	20.0	63.2	29.3	62.7	23.8
12		64.8	30.2	65.0	19.2	63.1	28.5	62.1	24.2
15		63.0	26.9	65.5	20.6	64.3	28.7	60.8	21.5
16		65.7	26.9	66.6	21.1	63.1	26.5	63.8	21.9
17		66.4	25.9	66.4	20.4	63.6	26.2	62.8	23.0
18		65.4	27.8	65.2	20.9	64.3	25.3	62.9	21.7
19		64.6	25.5	65.5	22.5	63.9	27.2	62.1	22.7
22		67.0	28.0	62.7	19.4	58.9	25.7	55.2	18.2
23		66.6	27.3	67.3	17.7	62.1	22.9	63.8	19.2
24		76.3	29.4	74.5	18.1	73.3	26.2	70.7	21.1
25		64.7	27.4	63.5	17.1	63.4	25.4	61.8	20.6
26		64.1	28.0	65.5	19.5	64.2	26.9	62.8	23.1
Mean		66.5	28.5	66.0	19.8	58.4	26.7	62.9	21.8
S.D.		2.93	1.84	2.41	1.48	10.28	2.04	3.36	1.67
Max. / Min.		76.3	25.5	74.5	17.1	73.3	22.9	70.7	18.2

Table 6. Oxygen concentration in exposure chamber

Days of exposure	Group and dose	Vehicle control		Fenitrothion 2mg/m^3		Fenitrothion 4mg/m^3		Fenitrothion 8mg/m^3	
	Oxygen concentration(%)	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1		20.6	20.5	20.8	20.7	20.7	20.6	20.8	20.8
2		20.5	20.5	20.8	20.7	20.6	20.5	20.8	20.8
3		20.5	20.5	20.7	20.7	20.6	20.4	20.7	20.6
4		20.5	20.5	20.7	20.7	20.6	20.6	20.8	20.7
5		20.5	20.5	20.8	20.7	20.6	20.6	20.7	20.6
8		20.3	20.3	20.8	20.7	20.6	20.6	20.7	20.7
9		20.5	20.5	20.7	20.7	20.5	20.5	20.7	20.7
10		20.5	20.4	20.7	20.5	20.5	20.5	20.7	20.6
11		20.5	20.4	20.7	20.7	20.6	20.6	20.8	20.7
12		20.5	20.3	20.7	20.6	20.6	20.6	20.7	20.7
15		20.5	20.4	20.7	20.6	20.6	20.5	20.7	20.6
16		20.4	20.4	20.7	20.5	20.5	20.5	20.7	20.6
17		20.5	20.5	20.7	20.6	20.6	20.5	20.7	20.7
18		20.4	20.3	20.5	20.4	20.4	20.4	20.7	20.6
19		20.4	20.4	20.7	20.7	20.6	20.6	20.7	20.6
22		20.5	20.4	20.7	20.7	20.6	20.6	20.7	20.6
23		20.5	20.4	20.7	20.6	20.5	20.5	20.8	20.7
24		20.5	20.4	20.6	20.6	20.5	20.5	20.7	20.7
25		20.5	20.4	20.8	20.6	20.7	20.6	20.6	20.5
26		20.4	20.4	20.7	20.7	20.5	20.5	20.7	20.6
Mean		20.5	20.4	20.7	20.6	20.6	20.5	20.7	20.7
S.D.		0.06	0.07	0.07	0.09	0.07	0.07	0.05	0.08
Max. / Min.		20.6	20.3	20.8	20.4	20.7	20.4	20.8	20.5

Table 7. Clinical signs - summary of findings

Sex : Male

Group and dose	Findings	Day 1			Day 2			Day 3			Day 4			Day 5			Day 6	Day 7
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Vehicle control	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	2	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (head)																	
	Stains (around eyes)						3											
Fenitrothion 2mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	4	5	5	5	5	5	5	5	5	5	5	5	4	5	5
	Wet fur (lumbar)			1												1		
	Scab (base of tail)																	
Fenitrothion 4mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	3	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (lumbar)						1											
	Stains (around eyes)						1											
	Loss of hair (head)																	
Fenitrothion 8mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5
	Stains (around eyes)						1											

The number of animals noted with clinical signs.
B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Male

Group and dose	Findings	Day 8			Day 9			Day 10			Day 11			Day 12			Day 13	Day 14
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Vehicle control	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5
	Wet fur (head)															1		
	Stains (around eyes)																	
Fenitrothion 2mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4
	Wet fur (lumber)																	
	Scab (base of tail)																	1
Fenitrothion 4mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	4	5	4	4	5	4	4	5	4	4	5
	Wet fur (lumber)																	
	Stains (around eyes)																	
	Loss of hair (head)							1		1	1		1	1		1	1	
Fenitrothion 8mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Stains (around eyes)																	

The number of animals noted with clinical signs.
B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Male

Group and dose	Findings	Day 15			Day 16			Day 17			Day 18			Day 19			Day 20	Day 21
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Vehicle control	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (head)																	
	Stains (around eyes)																	
Fenitrothion 2mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	4	5	4	4	5	4	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (lumber)																	
	Scab (base of tail)	1		1	1		1											
Fenitrothion 4mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (lumber)																	
	Stains (around eyes)																	
	Loss of hair (head)																	
Fenitrothion 8mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Stains (around eyes)																	

The number of animals noted with clinical signs.
B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Male

Group and dose	Findings	Day 22			Day 23			Day 24			Day 25			Day 26		
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A
Vehicle control	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (head)															
	Stains (around eyes)															
Fenitrothion 2mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (lumber)															
	Scab (base of tail)															
Fenitrothion 4mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (lumber)															
	Stains (around eyes)															
	Loss of hair (head)															
Fenitrothion 8mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Stains (around eyes)															

The number of animals noted with clinical signs.
B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Female

Group and dose	Findings	Day 1			Day 2			Day 3			Day 4			Day 5			Day 6	Day 7
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Vehicle control	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	4	5	5	4	5	5	1	5	5	3	5	5	5	5	5
	Wet fur (ventral neck)									1								
	Wet fur (abdomen)			1			1			3								
	Wet fur (lumbar)						1			1			2					
	Wet fur (back)						1											
	Stains (abdomen)									3								
	Stains (lumbar)									1								
	Stains (back)									1								
	Scab (base of tail)																	
Fenitrothion 2mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	3	5	5	2	5	5	2	5	5	3	5	5	2	5	5
	Wet fur (head)															1		
	Wet fur (face)						1									1		
	Wet fur (ventral neck)						2			1						1		
	Wet fur (thorax)						2						1			1		
	Wet fur (abdomen)						2			1			1			1		
	Wet fur (lumbar)			2			2			1						3		
	Wet fur (back)			1			1						2			1		
	Wet fur (dorsal neck)			1			1									1		
	Stains (around eyes)																	
	Stains (lumbar)									1								
	Stains (back)									1								
	Loss of hair (head)																	

The number of animals noted with clinical signs.

B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Female

Group and dose	Findings	Day 1			Day 2			Day 3			Day 4			Day 5			Day 6	Day 7
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Fenitrothion 4mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	2	5	5	1	5	5	2	5	5	1	5	5	2	4	4
	Wet fur (head)												1					
	Wet fur (face)									1			1					
	Wet fur (ventral neck)												2					
	Wet fur (thorax)												4					
	Wet fur (abdomen)			2			3			2			3			2		
	Wet fur (lumbar)			3			4			3			4			3		
	Wet fur (back)						1						3					
	Wet fur (dorsal neck)												1					
	Stains (around eyes)																	
	Stains (lumbar)									2								
	Scab (dorsal neck)																	
	Scab (base of tail)																1	1
Fenitrothion 8mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	1	5	5		5	5	2	5	5	2	5	5	3	5	5
	Wet fur (head)																	
	Wet fur (face)			1			1											
	Wet fur (ventral neck)			1														
	Wet fur (thorax)			1														
	Wet fur (abdomen)			3			4			1								
	Wet fur (lumbar)			3			4			1			3			2		
	Wet fur (back)			1			4						1					
	Wet fur (dorsal neck)						1											
	Stains (lumbar)									3								

The number of animals noted with clinical signs.

B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Female

Group and dose	Findings	Day 8			Day 9			Day 10			Day 11			Day 12			Day 13	Day 14
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Vehicle control	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	4	5	5	4	5	5	5	5	5	5	5	5	5	5	5
	Wet fur (ventral neck)																	
	Wet fur (abdomen)																	
	Wet fur (lumbar)						1											
	Wet fur (back)																	
	Stains (abdomen)																	
	Stains (lumbar)																	
	Stains (back)																	
	Scab (base of tail)			1														
Fenitrothion 2mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	4	4	5	4	4	5	4	4	5	4	4	4
	Wet fur (head)									1			1			1		
	Wet fur (face)												1			1		
	Wet fur (ventral neck)						1			1			1			1		
	Wet fur (thorax)						1			1			1			1		
	Wet fur (abdomen)						1			1			1			1		
	Wet fur (lumbar)						1			1			1			1		
	Wet fur (back)						1			1			1			1		
	Wet fur (dorsal neck)						1			1			1			1		
	Stains (around eyes)																	
	Stains (lumbar)																	
	Stains (back)																	
	Loss of hair (head)							1		1	1		1	1		1	1	1

The number of animals noted with clinical signs.

B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Female

Group and dose	Findings	Day 8			Day 9			Day 10			Day 11			Day 12			Day 13	Day 14
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Fenitrothion 4mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	4	5	3	4	5	1	4	5	3	4	5	3	3	5	2	3	3
	Wet fur (head)									1						2		
	Wet fur (face)									1								
	Wet fur (ventral neck)						1											
	Wet fur (thorax)						2											
	Wet fur (abdomen)			1			4			1			1					
	Wet fur (lumbar)			1			1			1			2			2		
	Wet fur (back)																	
	Wet fur (dorsal neck)																	
	Stains (around eyes)																	
	Stains (lumbar)																	
	Scab (dorsal neck)													1		1	1	1
	Scab (base of tail)	1		1	1		1	1		2	1		1	1		1	1	1
Fenitrothion 8mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	4	5	5	5	5	5	4	5	5	5	5	5	4	5	5
	Wet fur (head)																	
	Wet fur (face)																	
	Wet fur (ventral neck)																	
	Wet fur (thorax)			1														
	Wet fur (abdomen)			1						1								
	Wet fur (lumbar)									1						1		
	Wet fur (back)																	
	Wet fur (dorsal neck)																	
	Stains (lumbar)																	

The number of animals noted with clinical signs.

B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Female

Group and dose	Findings	Day 15			Day 16			Day 17			Day 18			Day 19			Day 20	Day 21
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Vehicle control	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	4	5	5	5	5	5	5	5	5	3	5	5
	Wet fur (ventral neck)																	
	Wet fur (abdomen)															1		
	Wet fur (lumbar)						1									1		
	Wet fur (back)																	
	Stains (abdomen)																	
	Stains (lumbar)																	
	Stains (back)																	
	Scab (base of tail)																	
Fenitrothion 2mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	4	5	4	4	5	4	4	5	3	4	5	3	4	5	4	4	4
	Wet fur (head)									1			1					
	Wet fur (face)																	
	Wet fur (ventral neck)			1						1						1		
	Wet fur (thorax)			1						1						1		
	Wet fur (abdomen)			1						1			1			1		
	Wet fur (lumbar)			1						2			2			1		
	Wet fur (back)			1						1						1		
	Wet fur (dorsal neck)			1						1						1		
	Stains (around eyes)			1														
	Stains (lumbar)																	
	Stains (back)																	
	Loss of hair (head)	1		1	1		1	1		1	1		1	1		1	1	1

The number of animals noted with clinical signs.

B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Female

Group and dose	Findings	Day 15			Day 16			Day 17			Day 18			Day 19			Day 20	Day 21
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A		
Fenitrothion 4mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	4	5	2	4	5	3	4	5	4	4	5	3	4	5	4	4	4
	Wet fur (head)			1														
	Wet fur (face)			1														
	Wet fur (ventral neck)																	
	Wet fur (thorax)																	
	Wet fur (abdomen)			1			2						1					
	Wet fur (lumbar)			1			2			1			2			1		
	Wet fur (back)			3														
	Wet fur (dorsal neck)			1														
	Stains (around eyes)			1														
	Stains (lumbar)																	
	Scab (dorsal neck)	1		1	1		1	1		1	1		1	1		1	1	1
	Scab (base of tail)																	
Fenitrothion 8mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	4	5	5	5	5	5	3	5	5	5	5	5	5	5	5
	Wet fur (head)			1														
	Wet fur (face)																	
	Wet fur (ventral neck)																	
	Wet fur (thorax)																	
	Wet fur (abdomen)			1						1								
	Wet fur (lumbar)			1						2								
	Wet fur (back)																	
	Wet fur (dorsal neck)									1								
	Stains (lumbar)																	

The number of animals noted with clinical signs.

B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Female

Group and dose	Findings	Day 22			Day 23			Day 24			Day 25			Day 26		
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A
Vehicle control	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5
	Wet fur (ventral neck)															
	Wet fur (abdomen)												1			
	Wet fur (lumbar)															
	Wet fur (back)															
	Stains (abdomen)															
	Stains (lumbar)															
	Stains (back)															
	Scab (base of tail)															
Fenitrothion 2mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	4	5	4	4	5	4	5	5	5	5	5	5	5	5	4
	Wet fur (head)															
	Wet fur (face)															
	Wet fur (ventral neck)															1
	Wet fur (thorax)															1
	Wet fur (abdomen)															
	Wet fur (lumbar)															
	Wet fur (back)															1
	Wet fur (dorsal neck)															1
	Stains (around eyes)															
	Stains (lumbar)															
	Stains (back)															
	Loss of hair (head)	1		1	1		1									

The number of animals noted with clinical signs.

B : Before exposure. D : During exposure. A : After exposure.

Table 7. Clinical signs - summary of findings (continued)

Sex : Female

Group and dose	Findings	Day 22			Day 23			Day 24			Day 25			Day 26		
		B	D	A	B	D	A	B	D	A	B	D	A	B	D	A
Fenitrothion 4mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	4	5	4	4	5	4	4	5	4	4	5	4	4	5	3
	Wet fur (head)															
	Wet fur (face)															
	Wet fur (ventral neck)															1
	Wet fur (thorax)															1
	Wet fur (abdomen)															1
	Wet fur (lumbar)															
	Wet fur (back)															
	Wet fur (dorsal neck)															1
	Stains (around eyes)															
	Stains (lumbar)															
	Scab (dorsal neck)	1		1	1		1	1		1	1		1	1		1
	Scab (base of tail)															
Fenitrothion 8mg/m^3	*No.of Animals*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*
	No abnormal sign	5	5	5	5	5	5	5	5	3	5	5	4	5	5	5
	Wet fur (head)															
	Wet fur (face)															
	Wet fur (ventral neck)															
	Wet fur (thorax)															
	Wet fur (abdomen)									1			1			
	Wet fur (lumbar)									1						
	Wet fur (back)															
	Wet fur (dorsal neck)															
	Stains (lumbar)															

The number of animals noted with clinical signs.
B : Before exposure. D : During exposure. A : After exposure.

Table 8. Body weights - group mean values

Sex: Male

Group and dose	Days of exposure				
	1	8	15	22	26
Vehicle control	197 ± 10.5 (5)	242 ± 14.6 (5)	287 ± 17.9 (5)	323 ± 25.6 (5)	340 ± 32.6 (5)
Fenitrothion 2mg/m³	193 ± 10.8 (5)	237 ± 13.7 (5)	274 ± 18.3 (5)	309 ± 23.1 (5)	320 ± 21.1 (5)
Fenitrothion 4mg/m³	198 ± 10.3 (5)	243 ± 9.7 (5)	287 ± 9.7 (5)	323 ± 13.0 (5)	339 ± 12.1 (5)
Fenitrothion 8mg/m³	197 ± 11.0 (5)	241 ± 13.9 (5)	286 ± 17.5 (5)	324 ± 18.8 (5)	340 ± 22.3 (5)

Mean ± SD, g, (n)

Table 8. Body weights - group mean values (continued)

Sex: Female

Group and dose	Days of exposure				
	1	8	15	22	26
Vehicle control	150 ± 6.4 (5)	164 ± 10.5 (5)	184 ± 15.9 (5)	200 ± 18.8 (5)	208 ± 18.6 (5)
Fenitrothion 2mg/m³	149 ± 6.2 (5)	168 ± 8.8 (5)	185 ± 7.3 (5)	201 ± 11.6 (5)	207 ± 9.3 (5)
Fenitrothion 4mg/m³	152 ± 7.2 (5)	171 ± 10.6 (5)	192 ± 9.7 (5)	207 ± 13.2 (5)	213 ± 14.6 (5)
Fenitrothion 8mg/m³	152 ± 6.9 (5)	173 ± 9.0 (5)	194 ± 9.6 (5)	206 ± 15.8 (5)	214 ± 13.0 (5)

Mean ± SD, g, (n)

Table 9. Incremental body weight gains - group mean values

Sex: Male

Group and dose	Initial body weight	Days of exposure 8	15	22	26	Total body weight gain
Vehicle control	197 ± 10.5 (5)	45 ± 6.0 (5)	45 ± 4.6 (5)	36 ± 8.4 (5)	17 ± 7.0 (5)	143 ± 22.8 (5)
Fenitrothion 2mg/m³	193 ± 10.8 (5)	44 ± 3.4 (5)	37 ± 5.1 (5)	35 ± 9.4 (5)	11 ± 5.7 (5)	127 ± 14.4 (5)
Fenitrothion 4mg/m³	198 ± 10.3 (5)	44 ± 4.2 (5)	44 ± 3.4 (5)	36 ± 5.0 (5)	16 ± 2.8 (5)	141 ± 12.1 (5)
Fenitrothion 8mg/m³	197 ± 11.0 (5)	44 ± 8.6 (5)	45 ± 5.3 (5)	39 ± 7.6 (5)	16 ± 4.3 (5)	143 ± 18.0 (5)

Mean ± SD, g, (n)

Table 9. Incremental body weight gains - group mean values (continued)

Sex: Female

Group and dose	Initial body weight	Days of exposure 8	15	22	26	Total body weight gain
Vehicle control	150 ± 6.4 (5)	14 ± 5.5 (5)	20 ± 5.9 (5)	16 ± 5.4 (5)	8 ± 1.9 (5)	58 ± 13.3 (5)
Fenitrothion 2mg/m³	149 ± 6.2 (5)	19 ± 4.3 (5)	18 ± 4.4 (5)	16 ± 9.2 (5)	5 ± 2.4 (5)	58 ± 6.8 (5)
Fenitrothion 4mg/m³	152 ± 7.2 (5)	19 ± 3.9 (5)	21 ± 3.8 (5)	15 ± 4.7 (5)	6 ± 3.0 (5)	61 ± 9.3 (5)
Fenitrothion 8mg/m³	152 ± 6.9 (5)	21 ± 4.8 (5)	21 ± 3.6 (5)	12 ± 7.2 (5)	8 ± 5.2 (5)	62 ± 7.5 (5)

Mean ± SD, g, (n)

Table 10. Food consumption - group mean values

Sex: Male

Group and dose	Days of exposure			
	3	10	17	24
Vehicle control	19 ± 1.4 (2)	20 ± 0.0 (2)	23 ± 0.7 (2)	23 ± 2.8 (2)
Fenitrothion 2mg/m³	19 ± 0.0 (2)	20 ± 0.0 (2)	22 ± 0.0 (2)	20 ± 1.4 (2)
Fenitrothion 4mg/m³	19 ± 0.7 (2)	21 ± 0.7 (2)	22 ± 0.7 (2)	22 ± 0.0 (2)
Fenitrothion 8mg/m³	20 ± 0.0 (2)	20 ± 2.8 (2)	24 ± 2.1 (2)	22 ± 0.7 (2)

Mean ± SD, g/animal/day, (n)
Days represent the terminal day of the measurement period.

Table 10. Food consumption - group mean values (continued)

Sex: Female

Group and dose	Days of exposure			
	3	10	17	24
Vehicle control	15 ± 0.7 (2)	16 ± 0.7 (2)	16 ± 0.0 (2)	16 ± 2.1 (2)
Fenitrothion 2mg/m³	15 ± 0.7 (2)	15 ± 0.7 (2)	15 ± 1.4 (2)	14 ± 0.0 (2)
Fenitrothion 4mg/m³	15 ± 1.4 (2)	15 ± 0.7 (2)	15 ± 1.4 (2)	15 ± 0.0 (2)
Fenitrothion 8mg/m³	16 ± 0.7 (2)	16 ± 0.7 (2)	16 ± 0.0 (2)	16 ± 0.0 (2)

Mean ± SD, g/animal/day, (n)
Days represent the terminal day of the measurement period.

Table 11. Urinalysis - summary of findings

Sex: Male

Group and dose	No. of Animals	PH									Glucose					Protein				
		5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	>=9	-	+/-	1+	2+	3+	-	+/-	1+	2+	3+
Vehicle control	5	0	0	0	1	0	0	1	0	3	5	0	0	0	0	2	0	3	0	0
Fenitrothion 2mg/m³	5	0	0	0	2	0	0	0	1	2	5	0	0	0	0	3	1	0	1	0
Fenitrothion 4mg/m³	5	0	0	0	0	0	1	3	0	1	5	0	0	0	0	4	0	1	0	0
Fenitrothion 8mg/m³	5	0	0	0	1	0	1	0	1	2	5	0	0	0	0	3	2	0	0	0

Table 11. Urinalysis - summary of findings (continued)

Sex: Male

Group and dose	No. of Animals	Occult blood					Ketone bodies					Bilirubin				Urobilinogen				
		-	+/-	1+	2+	3+	-	+/-	1+	2+	3+	-	1+	2+	3+	0.1	1.0	2.0	4.0	>=8
Vehicle control	5	4	0	1	0	0	2	2	1	0	0	5	0	0	0	4	1	0	0	0
Fenitrothion 2mg/m³	5	5	0	0	0	0	3	1	1	0	0	5	0	0	0	4	1	0	0	0
Fenitrothion 4mg/m³	5	5	0	0	0	0	3	2	0	0	0	5	0	0	0	5	0	0	0	0
Fenitrothion 8mg/m³	5	4	1	0	0	0	2	2	1	0	0	5	0	0	0	5	0	0	0	0

Table 11. Urinalysis - summary of findings (continued)

Sex: Female

Group and dose	No. of Animals	PH									Glucose					Protein				
		5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	>=9	-	+/-	1+	2+	3+	-	+/-	1+	2+	3+
Vehicle control	5	0	0	0	0	0	0	1	2	2	5	0	0	0	0	4	0	1	0	0
Fenitrothion 2mg/m³	5	0	0	0	0	2	0	0	3	0	5	0	0	0	0	2	1	2	0	0
Fenitrothion 4mg/m³	5	0	0	0	0	0	0	1	2	2	5	0	0	0	0	3	1	1	0	0
Fenitrothion 8mg/m³	5	0	0	0	1	0	0	2	2	0	5	0	0	0	0	5	0	0	0	0

Table 11. Urinalysis - summary of findings (continued)

Sex: Female

Group and dose	No. of Animals	Occult blood					Ketone bodies					Bilirubin				Urobilinogen				
		-	+/-	1+	2+	3+	-	+/-	1+	2+	3+	-	1+	2+	3+	0.1	1.0	2.0	4.0	>=8
Vehicle control	5	5	0	0	0	0	4	1	0	0	0	5	0	0	0	4	1	0	0	0
Fenitrothion 2mg/m³	5	5	0	0	0	0	3	2	0	0	0	5	0	0	0	2	3	0	0	0
Fenitrothion 4mg/m³	5	5	0	0	0	0	3	2	0	0	0	5	0	0	0	5	0	0	0	0
Fenitrothion 8mg/m³	5	5	0	0	0	0	5	0	0	0	0	5	0	0	0	5	0	0	0	0

Table 12. Ophthalmology - summary of findings

Before mydriasis

Findings	Male			
	Vehicle control	Fenitrothion 2mg/m³	Fenitrothion 4mg/m³	Fenitrothion 8mg/m³
No remarkable findings	5/ 5	5/ 5	5/ 5	5/ 5

The number of animals noted with an observation / The number of animals examined

Table 12. Ophthalmology - summary of findings (continued)

Before mydriasis

Findings	Female			
	Vehicle control	Fenitrothion 2mg/m³	Fenitrothion 4mg/m³	Fenitrothion 8mg/m³
No remarkable findings	5/ 5	5/ 5	5/ 5	5/ 5

The number of animals noted with an observation / The number of animals examined

Table 12. Ophthalmology - summary of findings (continued)

After mydriasis

Findings	Male			
	Vehicle control	Fenitrothion 2mg/m³	Fenitrothion 4mg/m³	Fenitrothion 8mg/m³
No remarkable findings	5/ 5	5/ 5	5/ 5	5/ 5

The number of animals noted with an observation / The number of animals examined

Table 12. Ophthalmology - summary of findings (continued)

After mydriasis

Findings	Female			
	Vehicle control	Fenitrothion 2mg/m³	Fenitrothion 4mg/m³	Fenitrothion 8mg/m³
No remarkable findings	5/ 5	5/ 5	5/ 5	5/ 5

The number of animals noted with an observation / The number of animals examined

Table 13. Hematology - group mean values

Sex: Male

Group and dose	RBC ($\times 10^6$ /μL)	HGB (g/dL)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)	RET ($\times 10^4$ /μL)
Vehicle control	7.45	14.3	43.3	58.3	19.3	33.0	17.54
	± 0.553	± 0.66	± 2.42	± 1.49	± 0.69	± 0.43	± 1.769
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 2mg/m³	7.84	14.9	45.0	57.4	19.0	33.0	18.56
	± 0.183	± 0.52	± 1.46	± 1.17	± 0.51	± 0.44	± 1.786
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 4mg/m³	7.77	14.7	44.5	57.3	19.0	33.0	18.66
	± 0.563	± 0.41	± 1.64	± 2.02	± 0.86	± 0.46	± 1.585
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 8mg/m³	7.74	14.5	44.4	57.5	18.8	32.7	17.20
	± 0.357	± 0.41	± 0.77	± 2.46	± 0.80	± 0.69	± 2.534
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

Mean ± SD, (n)

Table 13. Hematology - group mean values (continued)

Sex: Male

Group and dose	WBC ($\times 10^3$ /μL)	Neut ($\times 10^3$ /μL)	Lymp ($\times 10^3$ /μL)	Mono ($\times 10^3$ /μL)	Eos ($\times 10^3$ /μL)	Baso ($\times 10^3$ /μL)
Vehicle control	8.03	1.09	6.79	0.08	0.05	0.02
	± 2.222	± 0.329	± 1.875	± 0.034	± 0.024	± 0.013
	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 2mg/m³	5.83	0.99	4.69*	0.09	0.05	0.01
	± 0.142	± 0.314	± 0.372	± 0.026	± 0.018	± 0.004
	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 4mg/m³	8.64	1.43	7.03	0.10	0.06	0.02
	± 2.674	± 0.353	± 2.303	± 0.022	± 0.018	± 0.013
	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 8mg/m³	6.11	0.86	5.13	0.06	0.05	0.01
	± 2.278	± 0.254	± 2.082	± 0.039	± 0.031	± 0.005
	(5)	(5)	(5)	(5)	(5)	(5)

Mean ± SD, (n)
*: Significantly different from the Vehicle control group ($p<0.05$)

Table 13. Hematology - group mean values (continued)

Sex: Male

Group and dose	PLT ($\times 10^3$ /μL)	PT (SEC)	APTT (SEC)	FIB (mg/dL)
Vehicle control	1281	16.7	19.8	231.1
	± 197.2	± 1.15	± 1.66	± 16.26
	(5)	(5)	(5)	(5)
Fenitrothion 2mg/m^3	1274	17.0	20.3	242.6
	± 143.4	± 2.24	± 2.26	± 12.36
	(5)	(5)	(5)	(5)
Fenitrothion 4mg/m^3	1275	17.6	19.4	236.1
	± 166.4	± 2.52	± 2.59	± 17.26
	(5)	(5)	(5)	(5)
Fenitrothion 8mg/m^3	1244	16.0	18.8	243.4
	± 193.8	± 0.56	± 0.58	± 18.95
	(5)	(5)	(5)	(5)

Mean ± SD, (n)

Table 13. Hematology - group mean values (continued)

Sex: Female

Group and dose	RBC ($\times 10^6$ /μL)	HGB (g/dL)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)	RET ($\times 10^4$ /μL)
Vehicle control	7.79 ± 0.174 (5)	14.7 ± 0.16 (5)	43.3 ± 0.55 (5)	55.5 ± 1.27 (5)	18.9 ± 0.58 (5)	34.0 ± 0.44 (5)	15.21 ± 4.021 (5)
Fenitrothion 2mg/m³	7.95 ± 0.173 (5)	14.9 ± 0.55 (5)	43.8 ± 1.56 (5)	55.1 ± 1.53 (5)	18.7 ± 0.50 (5)	34.1 ± 0.47 (5)	13.55 ± 3.620 (5)
Fenitrothion 4mg/m³	7.67 ± 0.211 (5)	14.6 ± 0.25 (5)	42.9 ± 0.83 (5)	55.9 ± 0.70 (5)	19.0 ± 0.27 (5)	34.0 ± 0.18 (5)	15.83 ± 1.898 (5)
Fenitrothion 8mg/m³	7.79 ± 0.172 (5)	14.7 ± 0.26 (5)	43.2 ± 0.91 (5)	55.6 ± 1.17 (5)	18.9 ± 0.39 (5)	33.9 ± 0.34 (5)	13.60 ± 2.753 (5)

Mean ± SD, (n)

Table 13. Hematology - group mean values (continued)

Sex: Female

Group and dose	WBC ($\times 10^3$ /μL)	Neut ($\times 10^3$ /μL)	Lymp ($\times 10^3$ /μL)	Mono ($\times 10^3$ /μL)	Eos ($\times 10^3$ /μL)	Baso ($\times 10^3$ /μL)
Vehicle control	3.25	0.41	2.75	0.04	0.03	0.01
	± 1.226	± 0.124	± 1.190	± 0.017	± 0.010	± 0.008
	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 2mg/m³	3.74	0.49	3.16	0.05	0.04	0.01
	± 1.160	± 0.242	± 0.888	± 0.019	± 0.024	± 0.004
	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 4mg/m³	4.38	0.56	3.71	0.06	0.04	0.01
	± 1.292	± 0.229	± 1.217	± 0.026	± 0.016	± 0.000
	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 8mg/m³	3.99	0.54	3.34	0.07	0.04	0.01
	± 0.843	± 0.111	± 0.838	± 0.026	± 0.005	± 0.007
	(5)	(5)	(5)	(5)	(5)	(5)

Mean ± SD, (n)

Table 13. Hematology - group mean values (continued)

Sex: Female

Group and dose	PLT ($\times 10^3$ /μL)	PT (SEC)	APTT (SEC)	FIB (mg/dL)
Vehicle control	1290 ± 47.5 (5)	16.8 ± 0.51 (5)	17.4 ± 0.68 (5)	198.0 ± 22.03 (5)
Fenitrothion 2mg/m^3	1304 ± 176.7 (5)	16.8 ± 0.49 (5)	17.4 ± 0.65 (5)	215.4 ± 28.90 (5)
Fenitrothion 4mg/m^3	1348 ± 81.0 (5)	17.2 ± 0.43 (5)	16.3 ± 1.16 (5)	245.1 ± 43.35 (5)
Fenitrothion 8mg/m^3	1303 ± 83.8 (4)	16.7 ± 0.69 (4)	17.4 ± 0.33 (4)	243.9 ± 62.88 (4)

Mean ± SD, (n)

Table 14. Blood biochemistry - group mean values

Sex: Male

Group and dose	TP (g/dL)	ALB (g/dL)	A/G	GLU (mg/dL)	T.Cho (mg/dL)	TG (mg/dL)	PL (mg/dL)
Vehicle control	5.6	2.1	0.60	126	64	60	108
	± 0.25	± 0.11	± 0.021	± 21.9	± 9.9	± 17.0	± 11.9
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 2mg/m³	6.0*	2.2*	0.60	133	65	88	118
	± 0.17	± 0.04	± 0.042	± 10.0	± 10.7	± 26.9	± 17.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 4mg/m³	5.7	2.2	0.61	133	62	69	111
	± 0.16	± 0.05	± 0.039	± 15.4	± 5.5	± 33.2	± 6.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 8mg/m³	5.8	2.1	0.56	137	74	82	125
	± 0.17	± 0.04	± 0.040	± 17.5	± 13.6	± 35.3	± 19.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

Mean ± SD, (n)
*: Significantly different from the Vehicle control group ($p<0.05$)

Table 14. Blood biochemistry - group mean values (continued)

Sex: Male

Group and dose	AST (U/L)	ALT (U/L)	ALP (U/L)	γ-GTP (U/L)	LDH (U/L)	CPK (U/L)	Cre (mg/dL)
Vehicle control	75 ± 5.0 (5)	28 ± 3.7 (5)	647 ± 120.8 (5)	1 ± 0.4 (5)	128 ± 39.9 (5)	175 ± 32.9 (5)	0.3 ± 0.04 (5)
Fenitrothion 2mg/m³	78 ± 2.2 (5)	28 ± 3.0 (5)	669 ± 143.9 (5)	1 ± 0.5 (5)	105 ± 21.1 (5)	148 ± 20.4 (5)	0.3 ± 0.00 (5)
Fenitrothion 4mg/m³	82 ± 18.8 (5)	29 ± 3.7 (5)	734 ± 74.0 (5)	1 ± 0.4 (5)	143 ± 86.6 (5)	162 ± 39.0 (5)	0.3 ± 0.04 (5)
Fenitrothion 8mg/m³	71 ± 4.5 (5)	28 ± 1.9 (5)	546 ± 195.8 (5)	1 ± 0.4 (5)	75 ± 14.3 (5)	126* ± 11.9 (5)	0.3 ± 0.04 (5)

Mean ± SD, (n)
*: Significantly different from the Vehicle control group ($p<0.05$)

Table 14. Blood biochemistry - group mean values (continued)

Sex: Male

Group and dose	T.Bil (mg/dL)	BUN (mg/dL)	IP (mg/dL)	Na (mEq/L)	K (mEq/L)	Cl (mEq/L)	Ca (mg/dL)
Vehicle control	0.06 ± 0.004 (5)	14 ± 3.1 (5)	7.0 ± 0.45 (5)	144 ± 0.8 (5)	4.1 ± 0.10 (5)	107 ± 0.9 (5)	9.7 ± 0.25 (5)
Fenitrothion 2mg/m³	0.06 ± 0.008 (5)	14 ± 2.3 (5)	6.7 ± 0.18 (5)	144 ± 0.4 (5)	3.8 ± 0.24 (5)	107 ± 1.3 (5)	10.0 ± 0.32 (5)
Fenitrothion 4mg/m³	0.06 ± 0.007 (5)	14 ± 1.5 (5)	7.1 ± 0.61 (5)	144 ± 1.3 (5)	4.3 ± 0.44 (5)	107 ± 1.4 (5)	9.9 ± 0.28 (5)
Fenitrothion 8mg/m³	0.05 ± 0.008 (5)	14 ± 2.3 (5)	6.9 ± 0.21 (5)	143 ± 0.5 (5)	4.1 ± 0.19 (5)	106 ± 1.1 (5)	9.9 ± 0.23 (5)

Mean ± SD, (n)

Table 14. Blood biochemistry - group mean values (continued)

Sex: Female

Group and dose	TP (g/dL)	ALB (g/dL)	A/G	GLU (mg/dL)	T.Cho (mg/dL)	TG (mg/dL)	PL (mg/dL)
Vehicle control	6.1 ± 0.38 (5)	2.4 ± 0.16 (5)	0.66 ± 0.023 (5)	115 ± 5.1 (5)	71 ± 15.3 (5)	42 ± 16.0 (5)	139 ± 22.7 (5)
Fenitrothion 2mg/m³	6.2 ± 0.24 (5)	2.4 ± 0.04 (5)	0.65 ± 0.022 (5)	115 ± 7.3 (5)	73 ± 10.4 (5)	23 ± 7.5 (5)	137 ± 15.4 (5)
Fenitrothion 4mg/m³	6.1 ± 0.19 (5)	2.3 ± 0.13 (5)	0.62 ± 0.059 (5)	115 ± 6.4 (5)	68 ± 9.4 (5)	25 ± 16.6 (5)	127 ± 22.8 (5)
Fenitrothion 8mg/m³	6.2 ± 0.30 (5)	2.3 ± 0.15 (5)	0.61 ± 0.041 (5)	113 ± 8.3 (5)	72 ± 10.6 (5)	17* ± 5.7 (5)	129 ± 20.7 (5)

Mean ± SD, (n)
*: Significantly different from the Vehicle control group ($p<0.05$)

Table 14. Blood biochemistry - group mean values (continued)

Sex: Female

Group and dose	AST (U/L)	ALT (U/L)	ALP (U/L)	γ-GTP (U/L)	LDH (U/L)	CPK (U/L)	Cre (mg/dL)
Vehicle control	80 ± 9.5 (5)	25 ± 1.9 (5)	286 ± 73.0 (5)	1 ± 0.0 (5)	212 ± 100.7 (5)	175 ± 54.4 (5)	0.3 ± 0.00 (5)
Fenitrothion 2mg/m³	85 ± 24.0 (5)	25 ± 9.7 (5)	437 ± 85.5 (5)	1 ± 0.5 (5)	190 ± 110.4 (5)	172 ± 52.9 (5)	0.3 ± 0.04 (5)
Fenitrothion 4mg/m³	86 ± 11.9 (5)	26 ± 3.4 (5)	481* ± 127.1 (5)	1 ± 0.4 (5)	249 ± 232.4 (5)	180 ± 76.7 (5)	0.3 ± 0.00 (5)
Fenitrothion 8mg/m³	84 ± 6.5 (5)	26 ± 3.6 (5)	381 ± 96.6 (5)	1 ± 0.4 (5)	136 ± 64.3 (5)	132 ± 30.2 (5)	0.3 ± 0.00 (5)

Mean ± SD, (n)
*: Significantly different from the Vehicle control group ($p<0.05$)

Table 14. Blood biochemistry - group mean values (continued)

Sex: Female

Group and dose	T.Bil (mg/dL)	BUN (mg/dL)	IP (mg/dL)	Na (mEq/L)	K (mEq/L)	Cl (mEq/L)	Ca (mg/dL)
Vehicle control	0.07 ± 0.004 (5)	18 ± 3.1 (5)	6.5 ± 0.75 (5)	143 ± 0.8 (5)	3.6 ± 0.25 (5)	107 ± 1.5 (5)	10.2 ± 0.31 (5)
Fenitrothion 2mg/m³	0.08 ± 0.015 (5)	20 ± 1.6 (5)	7.0 ± 0.58 (5)	144 ± 1.3 (5)	3.4 ± 0.21 (5)	108 ± 1.3 (5)	10.3 ± 0.30 (5)
Fenitrothion 4mg/m³	0.07 ± 0.005 (5)	18 ± 1.3 (5)	7.1 ± 0.29 (5)	144 ± 0.7 (5)	3.5 ± 0.16 (5)	107 ± 1.1 (5)	10.1 ± 0.23 (5)
Fenitrothion 8mg/m³	0.06 ± 0.011 (5)	19 ± 1.9 (5)	7.1 ± 0.61 (5)	144 ± 1.3 (5)	3.6 ± 0.24 (5)	107 ± 0.4 (5)	10.2 ± 0.30 (5)

Mean ± SD, (n)

Table 15. Changes of cholinesterase activity - group mean values

Sex: Male

Group and dose	PChE (U/L)	BChE (U/g)	RChE (U/L)
Vehicle control	401	13.5	1004
	± 85.9	± 0.60	± 133.2
	(5)	(5)	(5)
Fenitrothion 2mg/m³	352	13.3	931
	± 49.4	± 0.40	± 97.6
	(5)	(5)	(5)
Fenitrothion 4mg/m³	334	12.6*	858
	± 27.9	± 0.34	± 170.0
	(5)	(5)	(5)
Fenitrothion 8mg/m³	326*	11.9**	741*
	± 19.0	± 0.54	± 125.7
	(5)	(5)	(5)

Mean ± SD, (n)
*: Significantly different from the Vehicle control group ($p<0.05$)
**: Significantly different from the Vehicle control group ($p<0.01$)

Table 15. Changes of cholinesterase activity - group mean values (continued)

Sex: Female

Group and dose	PChE (U/L)	BChE (U/g)	RChE (U/L)
Vehicle control	1478	13.5	970
	± 342.2	± 0.53	± 176.6
	(5)	(5)	(5)
Fenitrothion 2mg/m³	1024	13.1	850
	± 164.3	± 0.59	± 63.5
	(5)	(5)	(5)
Fenitrothion 4mg/m³	835*	13.0	792
	± 224.0	± 0.78	± 164.6
	(5)	(5)	(5)
Fenitrothion 8mg/m³	427*	9.2**	480**
	± 40.5	± 0.51	± 64.5
	(5)	(5)	(5)

Mean ± SD, (n)
*: Significantly different from the Vehicle control group ($p<0.05$)
**: Significantly different from the Vehicle control group ($p<0.01$)

Table 16. Absolute organ weights - group mean values

Sex: Male

Group and dose	Final body weight g	Liver g	Kidneys g	Spleen g	Heart g	Lung g	Brain g	Thymus g
Vehicle control	309 ± 32.3 (5)	8.63 ± 0.834 (5)	2.42 ± 0.280 (5)	0.59 ± 0.149 (5)	1.11 ± 0.122 (5)	1.13 ± 0.111 (5)	1.96 ± 0.031 (5)	0.49 ± 0.088 (5)
Fenitrothion 2mg/m³	291 ± 19.7 (5)	8.07 ± 0.533 (5)	2.28 ± 0.230 (5)	0.52 ± 0.048 (5)	1.03 ± 0.071 (5)	1.01 ± 0.071 (5)	1.93 ± 0.112 (5)	0.57 ± 0.076 (5)
Fenitrothion 4mg/m³	308 ± 13.6 (5)	8.75 ± 0.608 (5)	2.47 ± 0.175 (5)	0.59 ± 0.145 (5)	1.03 ± 0.054 (5)	1.10 ± 0.053 (5)	2.01 ± 0.131 (5)	0.60 ± 0.062 (5)
Fenitrothion 8mg/m³	310 ± 20.3 (5)	9.15 ± 0.745 (5)	2.33 ± 0.151 (5)	0.55 ± 0.058 (5)	1.08 ± 0.118 (5)	1.08 ± 0.065 (5)	1.98 ± 0.033 (5)	0.53 ± 0.050 (5)

Mean ± SD, (n)

Table 16. Absolute organ weights - group mean values (continued)

Sex: Male

Group and dose	Adrenals mg	Pituitary mg	Thyroid mg	Ventral prostate mg	Testes g
Vehicle control	52 ± 8.0 (5)	11 ± 1.6 (5)	17 ± 1.9 (5)	460.0 ± 114.17 (5)	3.04 ± 0.255 (5)
Fenitrothion 2mg/m³	55 ± 7.1 (5)	10 ± 1.5 (5)	18 ± 0.9 (5)	408.8 ± 58.81 (5)	2.82 ± 0.094 (5)
Fenitrothion 4mg/m³	57 ± 6.4 (5)	12 ± 1.1 (5)	17 ± 1.6 (5)	401.0 ± 71.11 (5)	2.86 ± 0.088 (5)
Fenitrothion 8mg/m³	59 ± 7.3 (5)	11 ± 0.5 (5)	18 ± 1.3 (5)	420.3 ± 115.60 (5)	2.98 ± 0.173 (5)

Mean ± SD, (n)

Table 16. Absolute organ weights - group mean values (continued)

Sex: Female

Group and dose	Final body weight g	Liver g	Kidneys g	Spleen g	Heart g	Lung g	Brain g	Thymus g
Vehicle control	186	5.55	1.61	0.43	0.70	0.84	1.83	0.43
	± 16.6	± 0.564	± 0.092	± 0.064	± 0.070	± 0.116	± 0.080	± 0.068
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 2mg/m³	187	5.47	1.60	0.38	0.69	0.83	1.82	0.41
	± 10.2	± 0.521	± 0.046	± 0.063	± 0.052	± 0.036	± 0.072	± 0.128
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 4mg/m³	188	5.63	1.70	0.43	0.70	0.88	1.81	0.40
	± 10.9	± 0.451	± 0.166	± 0.042	± 0.039	± 0.062	± 0.065	± 0.050
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Fenitrothion 8mg/m³	193	5.59	1.66	0.39	0.73	0.85	1.83	0.48
	± 10.7	± 0.489	± 0.100	± 0.047	± 0.042	± 0.018	± 0.074	± 0.084
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)

Mean ± SD, (n)

Table 16. Absolute organ weights - group mean values (continued)

Sex: Female

Group and dose	Adrenals mg	Pituitary mg	Thyroid mg	Ovaries mg
Vehicle control	58	12	14	72
	± 6.5	± 1.9	± 1.3	± 16.7
	(5)	(5)	(4)	(5)
Fenitrothion 2mg/m³	54	11	13	73
	± 5.0	± 1.1	± 0.5	± 13.7
	(5)	(5)	(5)	(5)
Fenitrothion 4mg/m³	55	11	14	82
	± 6.5	± 1.9	± 1.1	± 8.4
	(5)	(5)	(5)	(5)
Fenitrothion 8mg/m³	61	13	14	74
	± 6.8	± 2.9	± 1.5	± 12.8
	(5)	(5)	(5)	(5)

Mean ± SD, (n)

Table 17. Relative organ weights - group mean values

Sex: Male

Group and dose	Final body weight g	Liver g%	Kidneys g%	Spleen g%	Heart g%	Lung g%	Brain g%	Thymus g%
Vehicle control	309 ± 32.3 (5)	2.80 ± 0.090 (5)	0.78 ± 0.026 (5)	0.19 ± 0.031 (5)	0.36 ± 0.011 (5)	0.37 ± 0.015 (5)	0.64 ± 0.069 (5)	0.16 ± 0.033 (5)
Fenitrothion 2mg/m³	291 ± 19.7 (5)	2.78 ± 0.024 (5)	0.78 ± 0.040 (5)	0.18 ± 0.008 (5)	0.35 ± 0.015 (5)	0.35 ± 0.019 (5)	0.67 ± 0.051 (5)	0.20 ± 0.028 (5)
Fenitrothion 4mg/m³	308 ± 13.6 (5)	2.84 ± 0.122 (5)	0.80 ± 0.065 (5)	0.19 ± 0.041 (5)	0.33 ± 0.011 (5)	0.35 ± 0.015 (5)	0.65 ± 0.048 (5)	0.20 ± 0.023 (5)
Fenitrothion 8mg/m³	310 ± 20.3 (5)	2.95 ± 0.123 (5)	0.75 ± 0.029 (5)	0.18 ± 0.015 (5)	0.35 ± 0.030 (5)	0.35 ± 0.026 (5)	0.64 ± 0.041 (5)	0.17 ± 0.024 (5)

Mean ± SD, (n)

Table 17. Relative organ weights - group mean values (continued)

Sex: Male

Group and dose	Adrenals mg%	Pituitary mg%	Thyroid mg%	Ventral prostate mg%	Testes g%
Vehicle control	16.9 ± 1.69 (5)	3.6 ± 0.19 (5)	5.4 ± 0.55 (5)	147.3 ± 20.50 (5)	0.99 ± 0.110 (5)
Fenitrothion 2mg/m³	19.1 ± 2.81 (5)	3.5 ± 0.32 (5)	6.1 ± 0.44 (5)	140.8 ± 19.57 (5)	0.97 ± 0.049 (5)
Fenitrothion 4mg/m³	18.4 ± 2.25 (5)	3.7 ± 0.27 (5)	5.6 ± 0.65 (5)	129.7 ± 20.19 (5)	0.93 ± 0.067 (5)
Fenitrothion 8mg/m³	19.3 ± 3.22 (5)	3.5 ± 0.34 (5)	5.8 ± 0.42 (5)	135.7 ± 34.31 (5)	0.97 ± 0.104 (5)

Mean ± SD, (n)

Table 17. Relative organ weights - group mean values (continued)

Sex: Female

Group and dose	Final body weight g	Liver g%	Kidneys g%	Spleen g%	Heart g%	Lung g%	Brain g%	Thymus g%
Vehicle control	186 ± 16.6 (5)	2.98 ± 0.120 (5)	0.87 ± 0.074 (5)	0.23 ± 0.035 (5)	0.38 ± 0.019 (5)	0.45 ± 0.028 (5)	0.99 ± 0.057 (5)	0.23 ± 0.039 (5)
Fenitrothion 2mg/m³	187 ± 10.2 (5)	2.92 ± 0.174 (5)	0.86 ± 0.041 (5)	0.20 ± 0.023 (5)	0.37 ± 0.020 (5)	0.45 ± 0.029 (5)	0.97 ± 0.034 (5)	0.22 ± 0.065 (5)
Fenitrothion 4mg/m³	188 ± 10.9 (5)	3.00 ± 0.102 (5)	0.90 ± 0.055 (5)	0.23 ± 0.026 (5)	0.37 ± 0.028 (5)	0.47 ± 0.019 (5)	0.97 ± 0.042 (5)	0.21 ± 0.019 (5)
Fenitrothion 8mg/m³	193 ± 10.7 (5)	2.89 ± 0.136 (5)	0.86 ± 0.049 (5)	0.20 ± 0.027 (5)	0.37 ± 0.015 (5)	0.44 ± 0.023 (5)	0.94 ± 0.024 (5)	0.25 ± 0.048 (5)

Mean ± SD, (n)

Table 17. Relative organ weights - group mean values (continued)

Sex: Female

Group and dose	Adrenals mg%	Pituitary mg%	Thyroid mg%	Ovaries mg%
Vehicle control	31.6 ± 4.61 (5)	6.4 ± 0.48 (5)	7.5 ± 0.90 (4)	38.6 ± 6.37 (5)
Fenitrothion 2mg/m³	29.1 ± 1.70 (5)	6.1 ± 0.44 (5)	7.2 ± 0.60 (5)	39.1 ± 5.78 (5)
Fenitrothion 4mg/m³	29.3 ± 2.08 (5)	5.8 ± 0.75 (5)	7.2 ± 0.34 (5)	43.6 ± 3.04 (5)
Fenitrothion 8mg/m³	31.7 ± 2.35 (5)	6.5 ± 1.18 (5)	7.2 ± 1.08 (5)	37.9 ± 4.87 (5)

Mean ± SD, (n)

Table 18. Gross pathology - summary of findings

Sex : MALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
All organs/				
Within normal limits	3	3	2	3
Eye/				
White focus	0	1	0	0
Liver/				
Grayish-white focus	0	0	1	0
Lung/				
Brown focus	0	1	0	0
Dark red focus	0	0	0	1
Red focus	1	0	2	0
Thymus/				
Red focus	2	0	1	0
Urinary bladder/				
White substance	0	0	2	1

Table 18. Gross pathology - summary of findings (continued)

Sex : FEMALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
All organs/ Within normal limits	4	5	3	3
Lung/ Brown focus	0	0	0	1
Skin/ Scab	0	0	1	0
Thymus/ Red focus	0	0	0	2
Uterus/ Retention of fluid	1	0	1	0

Table 19. Histopathology - summary of findings

Sex : MALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Adrenal/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Aorta/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Bone/bone marrow, Femur/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Bone/bone marrow, Sternum/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Brain, Cerebellum/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Brain, Cerebrum/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Brain, Medulla oblongata/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Brain, Pons/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Coagulating gland/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Epididymis/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5

Table 19. Histopathology - summary of findings (continued)

Sex : MALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Esophagus/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Exorbital lacrimal gland/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Eye/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Harderian gland/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Heart/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Kidney/	[5]	[0]	[0]	[5]
Within normal limits	2	0	0	3
Basophilic tubule +-	1	0	0	1
Cell infiltration, mononuclear cell +-	1	0	0	1
Dilatation, tubule +-	3	0	0	1
Fibrosis, interstitial +-	1	0	0	0
Large intestine/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Larynx/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Liver/	[5]	[0]	[0]	[5]
Cell infiltration, mononuclear cell +-	5	0	0	5
Necrosis, focal +-	1	0	0	0

Grade, +-: slight

Table 19. Histopathology - summary of findings (continued)

Sex : MALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Necrosis, single cell +-	2	0	0	3
Lung/	[5]	[0]	[0]	[5]
Within normal limits	4	0	0	3
Cell infiltration, alveolar macrophages +-	1	0	0	1
Cell infiltration, foam cell +-	1	0	0	0
Cell infiltration, inflammatory cell +-	1	0	0	1
Cell infiltration, mononuclear cell +-	1	0	0	1
Hemorrhage, fresh +-	1	0	0	0
Lymph node, Mesenteric/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Lymph node, Submandibular/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Mammary gland/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Nose/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Pancreas/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Parathyroid gland/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Pharynx/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5

Grade, +-: slight

Table 19. Histopathology - summary of findings (continued)

Sex : MALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Pituitary/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Prostate/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Sciatic nerve/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Seminal vesicle/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Skeletal muscle/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Skin/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Small intestine/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Spinal cord, Cervix/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Spinal cord, Lumbar/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Spinal cord, Thoracic/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5

Table 19. Histopathology - summary of findings (continued)

Sex : MALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Spleen/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Stomach/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Submandibular gland/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Testis/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Thymus/	[5]	[0]	[0]	[5]
Within normal limits	0	0	0	1
Hemorrhage, fresh +-	5	0	0	4
Thyroid/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	4
Ultimobranchial body P	0	0	0	1
Tongue/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Trachea/	[5]	[0]	[0]	[5]
Within normal limits	4	0	0	4
Dilatation, tracheal gland +-	1	0	0	1
Urinary bladder/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	4
Eosinophilic substance P	0	0	0	1

Grade, +-: slight, P: present

Table 19. Histopathology - summary of findings (continued)

Sex : FEMALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Adrenal/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Aorta/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Bone/bone marrow, Femur/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Bone/bone marrow, Sternum/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Brain, Cerebellum/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Brain, Cerebrum/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Brain, Medulla oblongata/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Brain, Pons/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Esophagus/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Exorbital lacrimal gland/	[5]	[0]	[0]	[5]
Within normal limits	4	0	0	4
Vacuolation, diffuse +-	1	0	0	1

Grade, +-: slight

Table 19. Histopathology - summary of findings (continued)

Sex : FEMALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Eye/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Harderian gland/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Heart/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Kidney/	[5]	[0]	[0]	[5]
Within normal limits	3	0	0	4
Basophilic tubule +-	2	0	0	1
Cell infiltration, mononuclear cell +-	1	0	0	0
Dilatation, tubule +-	1	0	0	0
Large intestine/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Larynx/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Liver/	[5]	[0]	[0]	[5]
Cell infiltration, mononuclear cell +-	5	0	0	5
Necrosis, single cell +-	2	0	0	2
Lung/	[5]	[0]	[0]	[5]
Within normal limits	2	0	0	3
Cell Infiltration, alveolar macrophages +-	0	0	0	1
Cell infiltration, foam cell +-	1	0	0	1
Cell infiltration, inflammatory cell +-	0	0	0	1
Cell infiltration, mononuclear cell +-	2	0	0	0

Grade, +-: slight

Table 19. Histopathology - summary of findings (continued)

Sex : FEMALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Lymph node, Mesenteric/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Lymph node, Submandibular/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Mammary gland/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Nose/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Ovary/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Pancreas/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Parathyroid gland/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Pharynx/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Pituitary/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5
Sciatic nerve/ Within normal limits	[5] 5	[0] 0	[0] 0	[5] 5

Table 19. Histopathology - summary of findings (continued)

Sex : FEMALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Skeletal muscle/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Skin/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Small intestine/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Spinal cord, Cervix/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Spinal cord, Lumbar/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Spinal cord, Thoracic/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Spleen/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Stomach/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Submandibular gland/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Thymus/	[5]	[0]	[0]	[5]
Within normal limits	3	0	0	1
Hemorrhage, fresh +-	2	0	0	4

Grade, +-: slight

Table 19. Histopathology - summary of findings (continued)

Sex : FEMALE

Group 1 : Vehicle control Group 2: Fenitrothion 2mg/m^3 Group 3: Fenitrothion 4mg/m^3 Group 4: Fenitrothion 8mg/m^3

Tissues / Findings	Group 1	2	3	4
No. Animal examined	[5]	[5]	[5]	[5]
Thyroid/	[5]	[0]	[0]	[5]
Within normal limits	4	0	0	5
Ultimobranchial body P	1	0	0	0
Tongue/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Trachea/	[5]	[0]	[0]	[5]
Within normal limits	4	0	0	5
Dilatation, tracheal gland +-	1	0	0	0
Urinary bladder/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5
Uterus/	[5]	[0]	[0]	[5]
Within normal limits	4	0	0	5
Dilatation +-	1	0	0	0
Vagina/	[5]	[0]	[0]	[5]
Within normal limits	5	0	0	5

Grade, +-: slight, P: present