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TABLE 1

Changes observed in blood parameters. Mean  $\pm$  S. D.

Parameter	Group	Recrudescence period			Breeding period			Regression period		
		30	45	60	30	45	60	30	45	60
Blood glucose mg/100 ml of blood	C	160.58 $\pm 12.36$	156.2 $\pm 6.58$	167.49 $\pm 13.76$	170.60 $\pm 23.55$	158.05 $\pm 11.37$	152.77 $\pm 10.97$	173.60 $\pm 16.33$	182.21 $\pm 8.61$	173.89 $\pm 17.02$
	PX	231.83 $\pm 24.84$	228.20 $\pm 13.34$	189.75 $\pm 13.86$	178.54 $\pm 17.14$	170.48 $\pm 11.92$	150.00 $\pm 2.88$	177.60 $\pm 10.06$	170.00 $\pm 10.60$	169.37 $\pm 6.39$
	*	103.12 $\pm 6.01$	141.35 $\pm 3.83$	166.83 $\pm 3.96$	94.00 $\pm 4.87$	99.99 $\pm 4.83$	117.11 $\pm 2.42$	197.08 $\pm 9.47$	204.16 $\pm 17.67$	205.74 $\pm 15.36$
	*	-55.51	-38.05	-12.07	-47.35	-41.34	-21.9	-10.95	+20.00	+21.47
Blood clotting time in seconds at 37°C.	PN	11.0 $\pm 2.0$	13.0 $\pm 1.0$	20.0 $\pm 1.0$	8.0 $\pm 1.0$	15.0 $\pm 0.0$	13.0 $\pm 1.0$	-	-	-
	C	9.0 $\pm 1.0$	12.0 $\pm 1.0$	20.0 $\pm 2.0$	9.0 $\pm 1.0$	14.0 $\pm 1.0$	14.0 $\pm 1.0$	-	-	-
	PX	25.0 $\pm 2.0$	17.0 $\pm 2.0$	17.0 $\pm 2.0$	19.0 $\pm 2.0$	13.0 $\pm 1.0$	13.0 $\pm 1.0$	-	-	-
	*	+177.77	+41.66	-19.04	+111.11	-7.14	-7.14	-	-	-
Hb content g/100 g of blood	PN	32.64 $\pm 2.56$	29.04 $\pm 1.14$	28.42 $\pm 2.37$	25.61 $\pm 2.53$	14.71 $\pm 1.10$	15.04 $\pm 1.68$	-	-	-
	C	32.53 $\pm 2.36$	28.45 $\pm 1.45$	28.69 $\pm 2.01$	26.75 $\pm 2.25$	14.66 $\pm 1.41$	14.09 $\pm 0.97$	-	-	-
	PX	25.74 $\pm 1.36$	27.62 $\pm 2.78$	28.06 $\pm 1.76$	23.29 $\pm 2.51$	13.64 $\pm 1.01$	13.20 $\pm 1.11$	-	-	-
	*	-20.87	-2.91	-2.19	-12.93	-6.93	-6.31	-	-	-
ESR : mm/hr/ room temp.	PN	5.0 $\pm 0.0$	4.0 $\pm 0.0$	3.0 $\pm 0.0$	-	-	-	-	-	-
	C	4.8 $\pm 0.2$	4.0 $\pm 0.4$	3.1 $\pm 0.2$	-	-	-	-	-	-
	PX	13.0 $\pm 1.0$	10.0 $\pm 0.7$	6.0 $\pm 0.0$	-	-	-	-	-	-
	*	+170.83	+150.0	+93.54	-	-	-	-	-	-
Blood glucose Blood clotting time Hb content ESR	P <	.001	.001	.01	.001	.001	.001	.05	.01	.01
		.001	.001	-	.001	-	-	-	-	-
		.001	-	-	.05	-	-	-	-	-
		.001	.001	.01	-	-	-	-	-	-

P value refers to differences between C and PX groups.  
The Student's 't' test was used to analyze differences in means.  
Abbreviations same as in chapter 1.

TABLE 1

WEIGHT OF ORGANS : Expressed in mg. Mean  $\pm$  S. D.

Organ	Group	Recrudescence period			Breeding period			Regression period		
		30	45	60	30	45	60	30	45	60
Spleen	PN	293.98 $\pm$ 22.59	228.84 $\pm$ 37.84	229.30 $\pm$ 32.17	164.32 $\pm$ 26.00	141.70 $\pm$ 25.86	95.95 $\pm$ 13.32	170.37 $\pm$ 23.17	99.25 $\pm$ 13.18	93.30 $\pm$ 6.96
	C	290.55 $\pm$ 29.61	247.62 $\pm$ 33.21	214.20 $\pm$ 44.33	141.25 $\pm$ 29.16	125.25 $\pm$ 17.50	85.50 $\pm$ 17.32	182.27 $\pm$ 17.91	113.83 $\pm$ 11.42	96.74 $\pm$ 13.26
	PX	248.55 $\pm$ 29.89	161.82 $\pm$ 28.92	125.08 $\pm$ 13.62	310.24 $\pm$ 56.51	224.45 $\pm$ 23.05	177.71 $\pm$ 37.50	210.96 $\pm$ 20.80	124.37 $\pm$ 12.02	110.13 $\pm$ 7.96
	*	- 14.45	- 34.64	- 41.60	+119.63	+ 79.20	+107.84	+ 15.74	+ 10.03	+ 13.84
Pancreas	PN	645.21 $\pm$ 95.08	666.82 $\pm$ 89.79	688.92 $\pm$ 78.81	696.40 $\pm$ 54.38	663.52 $\pm$ 50.37	654.26 $\pm$ 66.98	680.24 $\pm$ 57.55	660.32 $\pm$ 79.41	619.37 $\pm$ 61.34
	C	651.67 $\pm$ 71.50	669.47 $\pm$ 79.68	682.63 $\pm$ 83.99	697.31 $\pm$ 48.20	662.96 $\pm$ 61.45	658.88 $\pm$ 54.41	690.60 $\pm$ 72.13	553.61 $\pm$ 36.12	613.16 $\pm$ 45.35
	PX	650.36 $\pm$ 33.26	660.57 $\pm$ 59.87	588.78 $\pm$ 77.84	526.20 $\pm$ 37.38	539.40 $\pm$ 35.50	570.80 $\pm$ 35.66	652.43 $\pm$ 43.25	636.60 $\pm$ 28.75	587.02 $\pm$ 66.50
	*	- 0.20	- 1.18	- 13.74	- 24.53	- 18.63	- 12.30	- 5.52	- 2.6	- 4.2
Adrenal	PN	20.25 $\pm$ 1.27	19.61 $\pm$ 2.52	17.04 $\pm$ 2.10	17.65 $\pm$ 2.90	16.97 $\pm$ 2.17	15.16 $\pm$ 2.76	23.27 $\pm$ 2.25	20.73 $\pm$ 1.27	19.98 $\pm$ 1.08
	C	19.16 $\pm$ 1.00	18.52 $\pm$ 1.88	16.61 $\pm$ 2.37	18.32 $\pm$ 2.57	17.93 $\pm$ 2.09	15.52 $\pm$ 2.06	23.10 $\pm$ 2.63	20.75 $\pm$ 2.73	20.24 $\pm$ 1.80
	PX	22.86 $\pm$ 3.08	23.73 $\pm$ 3.31	27.70 $\pm$ 3.21	21.94 $\pm$ 3.53	20.32 $\pm$ 1.95	19.10 $\pm$ 2.50	20.94 $\pm$ 2.15	18.34 $\pm$ 1.41	17.66 $\pm$ 2.57
	*	+ 19.31	+ 28.13	+ 66.76	+ 19.75	+ 13.32	+ 23.06	- 9.35	- 11.61	- 12.74
Thyroid	PN	16.01 $\pm$ 3.50	16.35 $\pm$ 3.14	18.07 $\pm$ 2.00	14.30 $\pm$ 2.62	14.60 $\pm$ 2.96	11.86 $\pm$ 1.52	23.73 $\pm$ 2.11	21.62 $\pm$ 2.02	19.28 $\pm$ 2.74
	C	16.76 $\pm$ 3.21	17.07 $\pm$ 2.98	18.53 $\pm$ 3.88	14.93 $\pm$ 2.00	14.66 $\pm$ 2.82	10.81 $\pm$ 1.91	24.72 $\pm$ 2.35	22.83 $\pm$ 2.49	20.96 $\pm$ 2.93
	PX	15.04 $\pm$ 1.39	15.76 $\pm$ 1.10	16.95 $\pm$ 2.22	15.44 $\pm$ 2.73	16.55 $\pm$ 2.71	18.43 $\pm$ 2.95	17.75 $\pm$ 2.02	15.96 $\pm$ 1.33	14.18 $\pm$ 3.49
	*	- 10.26	- 7.67	- 8.52	+ 3.41	+ 12.89	+ 70.49	- 28.19	- 30.09	- 32.34
Gonad	PN	292.23 $\pm$ 30.60	254.71 $\pm$ 30.29	191.53 $\pm$ 20.47	103.08 $\pm$ 9.81	108.00 $\pm$ 6.19	105.33 $\pm$ 11.62	128.34 $\pm$ 7.91	88.00 $\pm$ 18.27	85.33 $\pm$ 11.12
	C	28.34 $\pm$ 37.43	262.97 $\pm$ 32.19	206.18 $\pm$ 27.20	274.87 $\pm$ 49.47	216.65 $\pm$ 28.30	156.01 $\pm$ 29.24	146.63 $\pm$ 13.67	106.23 $\pm$ 14.82	105.08 $\pm$ 8.10
	PX	73.46 $\pm$ 9.57	114.32 $\pm$ 14.16	119.02 $\pm$ 25.41	66.47 $\pm$ 13.12	59.91 $\pm$ 12.41	52.40 $\pm$ 10.21	52.25 $\pm$ 6.89	62.16 $\pm$ 7.46	64.91 $\pm$ 4.46
	*	- 7.62	- 56.52	- 42.20	- 75.81	- 72.35	- 50.67	- 50.27	- 57.88	- 67.66
Uropygeal gland	PN	125.50 $\pm$ 18.50	109.50 $\pm$ 10.86	79.97 $\pm$ 8.94	78.49 $\pm$ 9.47	84.53 $\pm$ 9.06	95.03 $\pm$ 7.57	138.76 $\pm$ 12.08	119.22 $\pm$ 7.30	105.42 $\pm$ 8.28
	C	134.12 $\pm$ 19.67	115.93 $\pm$ 10.92	81.06 $\pm$ 8.66	82.11 $\pm$ 8.45	91.46 $\pm$ 8.30	100.26 $\pm$ 4.41	135.53 $\pm$ 14.79	128.35 $\pm$ 13.50	112.20 $\pm$ 11.19
	PX	97.86 $\pm$ 14.11	93.19 $\pm$ 6.57	57.1 $\pm$ 6.54	53.24 $\pm$ 8.50	77.12 $\pm$ 2.60	86.75 $\pm$ 7.74	102.18 $\pm$ 14.52	93.22 $\pm$ 10.48	87.01 $\pm$ 4.24
	*	- 27.03	- 19.61	- 29.54	- 22.98	- 15.67	- 13.47	- 24.50	- 27.37	- 17.47

Spleen	P	.05	.01	.01	.001	.001	.001	.05	-	-
Pancreas		-	-	-	.001	.01	.05	-	-	-
Adrenal		.05	.05	.001	-	-	.05	-	-	-
Thyroid		-	-	-	-	-	.01	.001	.001	.01
Gonad		.001	.001	.001	.001	.001	.001	.001	.001	.001
Uropygeal gland		.01	.01	.001	.01	.01	.01	.01	.01	.01

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means.

TABLE 1

ACID PHOSPHATASE ACTIVITY : Expressed as  $\mu$  Mole p-Nitrophenol released/  
mg protein/30 minutes.

Tissue	Group	Recrudescence period			Breeding period			Regression period		
		70	45	60	30	45	60	30	45	60
Liver	PN	1.150 ± 0.254	0.840 ± 0.134	0.821 ± 0.111	0.859 ± 0.038	1.070 ± 0.160	1.201 ± 0.071	0.738 ± 0.116	0.722 ± 0.111	0.627 ± 0.087
	C	0.944 ± 0.042	0.327 ± 0.170	0.800 ± 0.071	0.838 ± 0.114	1.211 ± 0.188	1.191 ± 0.220	0.705 ± 0.137	0.712 ± 0.033	0.677 ± 0.080
	PX	1.051 ± 0.099	1.042 ± 0.169	0.909 ± 0.112	0.753 ± 0.100	1.070 ± 0.000	1.080 ± 0.120	1.182 ± 0.189	0.982 ± 0.137	0.750 ± 0.072
	*	+11.33	+25.99	+13.62	-10.14	-11.64	- 9.04	+67.65	+37.92	+10.78
Muscle	PN	0.224 ± 0.034	0.228 ± 0.028	0.220 ± 0.024	0.207 ± 0.019	0.270 ± 0.031	0.259 ± 0.035	0.133 ± 0.027	0.113 ± 0.017	0.098 ± 0.024
	C	0.229 ± 0.027	0.226 ± 0.035	0.218 ± 0.034	0.217 ± 0.024	0.273 ± 0.010	0.286 ± 0.035	0.117 ± 0.013	0.098 ± 0.012	0.089 ± 0.010
	PX	0.237 ± 0.031	0.267 ± 0.058	0.279 ± 0.047	0.199 ± 0.011	0.256 ± 0.035	0.269 ± 0.037	0.189 ± 0.052	0.129 ± 0.019	0.102 ± 0.022
	*	+ 3.49	+10.14	+27.98	- 8.29	- 6.22	- 5.94	+66.53	+31.63	+ 3.03
Kidney	PN	1.023 ± 0.144	1.056 ± 0.205	1.040 ± 0.101	1.086 ± 0.080	1.180 ± 0.132	0.960 ± 0.151	0.967 ± 0.079	0.718 ± 0.157	0.495 ± 0.017
	C	0.984 ± 0.159	1.097 ± 0.137	1.028 ± 0.056	0.979 ± 0.185	1.114 ± 0.161	1.191 ± 0.270	1.030 ± 0.088	0.798 ± 0.102	0.509 ± 0.063
	PX	1.222 ± 0.203	1.043 ± 0.182	1.026 ± 0.212	0.838 ± 0.139	1.112 ± 0.211	1.022 ± 0.141	0.716 ± 0.128	0.599 ± 0.073	0.494 ± 0.028
	*	+24.18	+ 4.92	+ 0.19	-14.40	-18.01	-14.28	-30.48	-24.93	- 2.94
Gonad	PN	0.782 ± 0.091	0.689 ± 0.077	0.739 ± 0.056	0.685 ± 0.064	0.768 ± 0.079	0.650 ± 0.045	0.496 ± 0.065	0.446 ± 0.041	0.420 ± 0.040
	C	0.850 ± 0.042	0.783 ± 0.068	0.744 ± 0.080	0.739 ± 0.023	0.772 ± 0.091	0.687 ± 0.042	0.436 ± 0.005	0.436 ± 0.008	0.416 ± 0.055
	PX	0.433 ± 0.100	0.432 ± 0.065	0.390 ± 0.048	0.340 ± 0.041	0.421 ± 0.022	0.481 ± 0.031	1.134 ± 0.249	0.547 ± 0.063	0.571 ± 0.028
	*	-49.05	-44.82	-47.52	-53.99	-45.46	-29.98	+160.09	+48.39	+37.25
Liver	P <	.05	-	-	-	-	-	.001	.001	-
Muscle		-	-	.05	-	-	-	.05	.05	.05
Kidney		-	-	-	-	-	-	.01	.01	-
Gonad		.001	.001	.01	-	-	-	.001	.001	.001

P values refer to differences between C and PX groups.  
The Student's 't' test was used to analyze differences in means.  
Abbreviations same as in chapter 1.

TABLE 2

ALKALINE PHOSPHATASE ACTIVITY : Expressed as  $\mu$  Mole/mg protein/  
30 minutes. Mean  $\pm$  S. D.

Tissue	Group	Recrudescence period			Breeding period			Regression period		
		30	45	60	30	45	60	30	45	60
Liver	PN	0.030 $\pm$ 0.004	0.014 $\pm$ 0.002	-0.007 $\pm$ 0.000	0.022 $\pm$ 0.001	0.024 $\pm$ 0.004	0.032 $\pm$ 0.003	0.014 $\pm$ 0.006	0.028 $\pm$ 0.004	0.044 $\pm$ 0.001
	C	0.026 $\pm$ 0.002	0.015 $\pm$ 0.001	0.007 $\pm$ 0.001	0.023 $\pm$ 0.001	0.027 $\pm$ 0.001	0.031 $\pm$ 0.004	0.013 $\pm$ 0.001	0.026 $\pm$ 0.001	0.043 $\pm$ 0.001
	PX	0.017 $\pm$ 0.002	0.016 $\pm$ 0.005	0.008 $\pm$ 0.001	0.021 $\pm$ 0.001	0.022 $\pm$ 0.001	0.015 $\pm$ 0.001	0.010 $\pm$ 0.001	0.023 $\pm$ 0.001	0.032 $\pm$ 0.011
	*	-34.61	+ 6.66	+ 1.78	- 8.69	-18.51	-51.61	-23.07	-11.53	-25.58
Muscle	PN	0.035 $\pm$ 0.004	0.034 $\pm$ 0.003	0.044 $\pm$ 0.004	0.021 $\pm$ 0.002	0.035 $\pm$ 0.002	0.047 $\pm$ 0.007	0.010 $\pm$ 0.002	0.017 $\pm$ 0.002	0.023 $\pm$ 0.001
	C	0.036 $\pm$ 0.003	0.037 $\pm$ 0.003	0.039 $\pm$ 0.004	0.020 $\pm$ 0.004	0.036 $\pm$ 0.004	0.050 $\pm$ 0.003	0.007 $\pm$ 0.001	0.020 $\pm$ 0.003	0.027 $\pm$ 0.004
	PX	0.032 $\pm$ 0.003	0.036 $\pm$ 0.003	0.043 $\pm$ 0.008	0.026 $\pm$ 0.002	0.053 $\pm$ 0.007	0.063 $\pm$ 0.007	0.010 $\pm$ 0.002	0.032 $\pm$ 0.003	0.043 $\pm$ 0.006
	*	-11.11	-2.70	+10.25	+30.30	+47.22	+26.00	+42.85	+60.00	+59.25
Kidney	PN	0.637 $\pm$ 0.018	0.702 $\pm$ 0.075	0.659 $\pm$ 0.081	1.111 $\pm$ 0.260	1.030 $\pm$ 0.190	1.031 $\pm$ 0.180	0.703 $\pm$ 0.064	0.569 $\pm$ 0.039	0.562 $\pm$ 0.055
	C	0.692 $\pm$ 0.180	0.689 $\pm$ 0.065	0.698 $\pm$ 0.050	1.077 $\pm$ 0.191	1.191 $\pm$ 0.190	1.330 $\pm$ 0.181	0.642 $\pm$ 0.041	0.563 $\pm$ 0.119	0.582 $\pm$ 0.087
	PX	0.573 $\pm$ 0.035	1.164 $\pm$ 0.231	1.131 $\pm$ 0.177	0.833 $\pm$ 0.012	1.141 $\pm$ 0.081	1.242 $\pm$ 0.170	1.545 $\pm$ 0.308	1.461 $\pm$ 0.451	0.947 $\pm$ 0.280
	*	+17.19	+68.54	+62.03	-22.65	- 4.20	- 6.76	+15.10	+18.11	+23.19
Gonad	PN	0.158 $\pm$ 0.027	0.161 $\pm$ 0.002	0.217 $\pm$ 0.024	0.092 $\pm$ 0.008	0.108 $\pm$ 0.006	0.159 $\pm$ 0.023	0.123 $\pm$ 0.018	0.082 $\pm$ 0.003	0.099 $\pm$ 0.019
	C	0.149 $\pm$ 0.022	0.160 $\pm$ 0.016	0.209 $\pm$ 0.027	0.095 $\pm$ 0.017	0.120 $\pm$ 0.018	0.130 $\pm$ 0.014	0.120 $\pm$ 0.023	0.081 $\pm$ 0.003	0.073 $\pm$ 0.005
	PX	0.098 $\pm$ 0.015	0.103 $\pm$ 0.021	0.194 $\pm$ 0.017	0.100 $\pm$ 0.010	0.092 $\pm$ 0.010	0.065 $\pm$ 0.003	0.118 $\pm$ 0.016	0.076 $\pm$ 0.005	0.065 $\pm$ 0.013
	*	-34.22	-35.62	- 7.77	+ 5.26	+23.33	+50.00	- 1.66	- 6.17	-10.93
Liver	P	.001	-	-	.05	.001	.001	.01	.01	.05
Muscle		-	-	-	.05	.01	.01	.05	.001	.001
Kidney		-	.01	.001	.05	-	-	-	-	.05
Gonad		.01	.001	.001	-	.01	.001	-	-	-

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means.

Abbreviations same as in chapter 1.

TABLE 3

PROTEIN CONTENT : Expressed as mg/100 mg tissue weight. Mean  $\pm$  S. D.

Tissue	Group	Recrudescence period			Breeding period			Regression period		
		30	45	60	30	45	60	30	45	60
Liver	PN	25.60 $\pm$ 2.99	30.15 $\pm$ 3.01	28.53 $\pm$ 1.51	25.26 $\pm$ 1.52	25.90 $\pm$ 1.47	24.95 $\pm$ 1.53	18.25 $\pm$ 2.09	22.33 $\pm$ 3.24	28.83 $\pm$ 2.80
	C	28.17 $\pm$ 2.35	28.96 $\pm$ 2.12	28.47 $\pm$ 2.36	27.20 $\pm$ 1.74	26.01 $\pm$ 2.20	24.24 $\pm$ 3.99	17.95 $\pm$ 2.01	25.17 $\pm$ 2.40	26.68 $\pm$ 1.91
	PX	26.3 $\pm$ 2.61	26.87 $\pm$ 1.13	25.60 $\pm$ 2.35	26.08 $\pm$ 2.46	25.73 $\pm$ 2.33	24.05 $\pm$ 1.36	16.25 $\pm$ 2.35	24.18 $\pm$ 1.62	25.58 $\pm$ 2.47
	*	- 4.75	- 6.89	- 10.08	- 4.11	- 1.07	- 0.78	- 9.47	- 3.93	- 4.12
Muscle	PN	19.3P $\pm$ 2.41	21.19 $\pm$ 1.30	22.86 $\pm$ 1.31	19.75 $\pm$ 2.99	14.17 $\pm$ 2.41	16.02 $\pm$ 2.93	16.17 $\pm$ 0.95	19.36 $\pm$ 2.88	22.33 $\pm$ 2.52
	C	21.80 $\pm$ 2.40	22.36 $\pm$ 2.86	23.80 $\pm$ 1.98	16.87 $\pm$ 1.32	15.00 $\pm$ 1.37	14.17 $\pm$ 1.75	17.53 $\pm$ 2.99	18.58 $\pm$ 2.86	21.49 $\pm$ 3.74
	PX	24.95 $\pm$ 2.43	23.18 $\pm$ 1.10	22.80 $\pm$ 2.34	22.72 $\pm$ 1.62	19.18 $\pm$ 1.10	14.21 $\pm$ 2.58	13.95 $\pm$ 2.64	14.77 $\pm$ 2.09	21.93 $\pm$ 2.12
	*	+ 14.44	+ 3.66	- 4.20	+ 34.67	+ 27.88	+ 0.28	- 31.83	- 20.50	+ 2.04
Kidney	PN	28.54 $\pm$ 2.70	29.59 $\pm$ 2.09	22.86 $\pm$ 2.21	23.85 $\pm$ 2.16	23.97 $\pm$ 2.66	24.08 $\pm$ 1.74	18.41 $\pm$ 2.00	25.84 $\pm$ 2.76	23.45 $\pm$ 2.49
	C	30.64 $\pm$ 3.30	29.70 $\pm$ 2.93	21.24 $\pm$ 1.15	22.98 $\pm$ 1.01	23.65 $\pm$ 1.83	22.54 $\pm$ 0.47	17.93 $\pm$ 1.77	22.37 $\pm$ 1.48	25.87 $\pm$ 1.98
	PX	26.53 $\pm$ 2.98	25.30 $\pm$ 3.57	20.15 $\pm$ 2.41	28.50 $\pm$ 2.63	25.67 $\pm$ 0.93	22.86 $\pm$ 2.11	18.87 $\pm$ 1.51	23.40 $\pm$ 2.65	26.45 $\pm$ 3.44
	*	- 13.41	- 14.81	- 5.13	+ 24.28	+ 8.54	+ 1.41	+ 5.24	+ 4.60	+ 2.24
Gonad	PN	16.10 $\pm$ 2.78	14.65 $\pm$ 2.62	16.45 $\pm$ 1.88	15.78 $\pm$ 2.00	16.90 $\pm$ 2.12	14.25 $\pm$ 2.56	20.49 $\pm$ 2.43	19.22 $\pm$ 1.46	18.99 $\pm$ 1.93
	C	16.22 $\pm$ 2.75	16.85 $\pm$ 1.87	16.70 $\pm$ 2.73	12.97 $\pm$ 1.85	13.43 $\pm$ 1.27	15.47 $\pm$ 2.35	20.06 $\pm$ 2.87	19.24 $\pm$ 1.88	20.66 $\pm$ 2.66
	PX	20.43 $\pm$ 3.71	18.29 $\pm$ 1.66	16.62 $\pm$ 1.63	20.52 $\pm$ 1.79	21.48 $\pm$ 2.72	14.47 $\pm$ 2.55	17.15 $\pm$ 1.49	20.23 $\pm$ 1.82	21.11 $\pm$ 1.31
	*	+ 25.95	+ 8.84	- 6.47	+ 58.21	+ 59.94	- 6.46	- 14.50	+ 5.14	+ 2.17
Liver	} P <	-	-	-	-	-	-	-	-	
Muscle		-	-	-	.001	.001	-	-	-	
Kidney		-	-	-	.01	.05	-	-	-	
Gonad		-	-	-	.001	.001	-	-	-	

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 1

ASCORBIC ACID LEVELS : mg/100 g fresh tissue. Mean  $\pm$  S.D.

Tissue Group		Recrudescent period			Blinding period			Regression period		
		30days	45days	60days	30days	45days	60days	30days	45days	60days
Liver	PN	51.07 $\pm$ 5.55	43.27 $\pm$ 7.73	37.62 $\pm$ 5.59	43.78 $\pm$ 5.77	39.09 $\pm$ 3.31	43.78 $\pm$ 5.06	47.14 $\pm$ 5.11	45.34 $\pm$ 3.44	41.21 $\pm$ 5.41
	C	56.20 $\pm$ 1.16	44.84 $\pm$ 5.56	41.69 $\pm$ 5.51	42.76 $\pm$ 4.01	42.90 $\pm$ 4.80	44.62 $\pm$ 4.42	45.38 $\pm$ 5.29	46.80 $\pm$ 0.81	41.58 $\pm$ 4.61
	PX	47.01 $\pm$ 3.69	34.97 $\pm$ 6.09	33.53 $\pm$ 4.06	46.04 $\pm$ 5.59	46.73 $\pm$ 3.31	45.76 $\pm$ 3.46	46.42 $\pm$ 3.96	48.67 $\pm$ 3.05	46.39 $\pm$ 3.82
	*	-16.35	-22.01	-19.57	+ 7.67	+ 8.02	+ 2.55	+ 0.08	+ 3.99	+11.56
Muscle	PN	4.53 $\pm$ 0.30	3.06 $\pm$ 0.20	2.17 $\pm$ 0.31	4.68 $\pm$ 0.43	4.75 $\pm$ 0.34	3.93 $\pm$ 0.48	9.14 $\pm$ 1.59	8.18 $\pm$ 0.15	8.32 $\pm$ 1.29
	C	3.70 $\pm$ 0.53	2.75 $\pm$ 0.34	2.43 $\pm$ 0.28	4.93 $\pm$ 0.62	4.43 $\pm$ 0.12	4.30 $\pm$ 0.40	9.80 $\pm$ 1.77	9.21 $\pm$ 1.83	10.05 $\pm$ 1.29
	PX	5.10 $\pm$ 0.76	4.39 $\pm$ 0.55	4.06 $\pm$ 0.52	5.40 $\pm$ 0.19	5.35 $\pm$ 0.34	5.29 $\pm$ 0.40	9.42 $\pm$ 1.46	5.67 $\pm$ 0.85	4.55 $\pm$ 1.41
	*	+37.83	+59.63	+67.07	+ 9.53	+20.76	+23.02	- 3.87	-38.43	-54.72
Kidney	PN	14.96 $\pm$ 2.06	16.86 $\pm$ 1.29	15.98 $\pm$ 1.00	16.00 $\pm$ 2.92	18.05 $\pm$ 2.73	17.12 $\pm$ 2.17	21.33 $\pm$ 3.77	18.24 $\pm$ 2.90	18.03 $\pm$ 0.73
	C	14.46 $\pm$ 1.03	15.20 $\pm$ 1.86	16.47 $\pm$ 2.64	18.00 $\pm$ 2.64	17.95 $\pm$ 1.83	21.95 $\pm$ 2.13	20.54 $\pm$ 2.23	20.59 $\pm$ 2.19	18.28 $\pm$ 2.75
	PX	17.03 $\pm$ 2.74	18.34 $\pm$ 2.71	16.20 $\pm$ 2.26	19.46 $\pm$ 1.78	19.41 $\pm$ 2.26	20.31 $\pm$ 3.12	19.00 $\pm$ 3.05	18.18 $\pm$ 2.37	18.61 $\pm$ 2.76
	*	+17.77	+20.65	- 1.63	+ 8.11	+ 8.13	- 7.47	- 7.49	-11.70	+ 1.80
Gonad	PN	44.99 $\pm$ 3.80	43.70 $\pm$ 4.28	37.99 $\pm$ 3.87	48.07 $\pm$ 1.50	62.75 $\pm$ 5.41	61.45 $\pm$ 5.47	51.59 $\pm$ 4.64	45.00 $\pm$ 5.31	78.87 $\pm$ 9.60
	C	39.95 $\pm$ 4.01	43.53 $\pm$ 3.91	42.09 $\pm$ 2.37	49.44 $\pm$ 4.95	58.37 $\pm$ 5.67	59.77 $\pm$ 4.88	47.70 $\pm$ 4.74	45.22 $\pm$ 6.65	91.24 $\pm$ 8.91
	PX	58.32 $\pm$ 6.29	39.67 $\pm$ 4.78	40.51 $\pm$ 6.75	73.18 $\pm$ 5.16	95.58 $\pm$ 8.55	207.25 $\pm$ 23.36	166.20 $\pm$ 14.83	112.93 $\pm$ 10.42	112.43 $\pm$ 6.07
	*	+45.98	- 8.86	- 3.75	+48.01	+33.74	-24.74	+248.42	+149.73	+23.22
Liver	} P <	.001	.05	.05	-	-	-	-	-	-
Muscle		.01	.001	.001	-	-	.01	-	.01	.001
Kidney		-	-	-	-	-	-	-	-	-
Gonad		.001	-	-	.001	.001	.001	.001	.001	.01

P value refers to differences between C and PX groups. The Student's 't' test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 1

WATER CONTENT : Expressed as mg/100 mg fresh tissue. Mean  $\pm$  S. D.

Tissue Group	Recrudescence period			Breeding period			Regression period			
	30	45	60	30	45	60	30	45	60	
Liver	PN	70.51 $\pm$ 2.11	70.75 $\pm$ 2.02	67.22 $\pm$ 4.46	70.31 $\pm$ 1.48	72.73 $\pm$ 2.97	66.07 $\pm$ 2.31	77.47 $\pm$ 8.26	77.09 $\pm$ 4.52	76.61 $\pm$ 4.41
	C	70.11 $\pm$ 2.50	70.40 $\pm$ 2.93	67.69 $\pm$ 5.64	72.20 $\pm$ 3.70	73.19 $\pm$ 2.54	65.13 $\pm$ 3.91	77.62 $\pm$ 3.97	77.01 $\pm$ 2.50	76.64 $\pm$ 3.35
	PX	73.85 $\pm$ 3.51	71.55 $\pm$ 2.94	68.42 $\pm$ 2.10	71.79 $\pm$ 4.42	70.14 $\pm$ 0.70	70.70 $\pm$ 2.49	76.76 $\pm$ 5.97	76.87 $\pm$ 4.51	75.94 $\pm$ 3.80
Muscle	PN	59.95 $\pm$ 0.94	70.88 $\pm$ 3.73	70.65 $\pm$ 1.81	70.65 $\pm$ 1.81	69.46 $\pm$ 2.00	71.21 $\pm$ 3.06	75.24 $\pm$ 4.21	75.84 $\pm$ 1.56	73.57 $\pm$ 2.77
	C	70.03 $\pm$ 1.14	71.65 $\pm$ 0.37	70.89 $\pm$ 1.65	70.89 $\pm$ 1.85	69.91 $\pm$ 1.66	71.71 $\pm$ 0.97	75.20 $\pm$ 3.69	75.41 $\pm$ 2.03	73.67 $\pm$ 3.44
	PX	73.97 $\pm$ 3.12	72.81 $\pm$ 1.59	70.19 $\pm$ 3.95	70.19 $\pm$ 3.95	70.93 $\pm$ 5.39	71.50 $\pm$ 1.25	78.65 $\pm$ 5.45	76.21 $\pm$ 3.20	73.01 $\pm$ 2.75
Adipose tissue	PN	5.63 $\pm$ 1.94	2.47 $\pm$ 1.31	0.98 $\pm$ 0.55	0.98 $\pm$ 1.09	0.80 $\pm$ 1.65	0.33 $\pm$ 2.15	4.59 $\pm$ 0.67	3.72 $\pm$ 1.20	0.48 $\pm$ 1.36
	C	8.16 $\pm$ 0.75	9.48 $\pm$ 1.08	10.91 $\pm$ 0.80	9.13 $\pm$ 0.61	11.18 $\pm$ 1.38	16.44 $\pm$ 2.05	7.87 $\pm$ 1.21	8.72 $\pm$ 1.00	10.27 $\pm$ 1.10
	PX	13.22 $\pm$ 0.92	10.48 $\pm$ 2.94	10.40 $\pm$ 0.65	7.74 $\pm$ 1.11	9.18 $\pm$ 1.48	10.93 $\pm$ 1.89	14.60 $\pm$ 1.93	10.14 $\pm$ 1.38	10.35 $\pm$ 0.91
*	+62.12	+10.47	- 4.64	-15.29	-17.88	-33.50	+85.58	+16.23	+ 0.72	
Liver } Muscle } Adipose } tissue }		.05 .001			.05 .05	.05 .01				

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 2

SODIUM ION CONTENT : mg/100 g dry lipid tissue, mg/100 ml serum . Mean  $\pm$  S. D.

Tissue Group	Recrudescence period			Breeding period			Regression period			
	30	45	60	30	45	60	30	45	60	
Serum	PN	410.5 $\pm$ 31.8	474.1 $\pm$ 38.8	495.0 $\pm$ 38.5	425.0 $\pm$ 27.3	417.5 $\pm$ 25.9	366.6 $\pm$ 19.2	430.2 $\pm$ 13.2	460.7 $\pm$ 20.0	515.8 $\pm$ 19.1
	C	15.5 $\pm$ 37.3	480.7 $\pm$ 26.0	490.6 $\pm$ 21.0	420.0 $\pm$ 8.6	418.0 $\pm$ 26.2	356.6 $\pm$ 13.6	429.1 $\pm$ 10.7	475.6 $\pm$ 12.0	422.4 $\pm$ 9.5
	PX	405.0 $\pm$ 33.2	441.2 $\pm$ 25.1	451.6 $\pm$ 35.2	415.5 $\pm$ 31.0	390.2 $\pm$ 35.3	260.0 $\pm$ 7.0	418.2 $\pm$ 7.8	482.8 $\pm$ 11.5	531.1 $\pm$ 10.7
	*	- 2.52	- 8.21	- 7.94	- 1.07	- 6.63	- 27.10	- 2.31	+ 1.50	+ 1.66
Liver	PN	97.3 $\pm$ 10.7	126.9 $\pm$ 25.3	141.2 $\pm$ 12.0	76.7 $\pm$ 9.6	74.8 $\pm$ 5.7	68.4 $\pm$ 9.1	203.7 $\pm$ 13.8	198.7 $\pm$ 14.7	131.9 $\pm$ 12.5
	C	100.0 $\pm$ 8.3	117.0 $\pm$ 26.6	143.3 $\pm$ 32.6	79.7 $\pm$ 8.5	76.3 $\pm$ 1.5	72.6 $\pm$ 4.5	206.8 $\pm$ 20.5	189.2 $\pm$ 13.8	125.7 $\pm$ 13.0
	PX	139.2 $\pm$ 25.0	131.4 $\pm$ 19.2	137.1 $\pm$ 19.4	99.9 $\pm$ 9.0	102.0 $\pm$ 7.7	108.1 $\pm$ 12.3	140.2 $\pm$ 13.3	135.8 $\pm$ 15.7	100.3 $\pm$ 14.5
	*	+ 39.20	+ 12.30	+ 4.32	+ 25.25	+ 33.74	+ 48.89	- 32.16	- 28.22	- 20.21
Muscle	PN	80.9 $\pm$ 15.5	76.8 $\pm$ 12.2	73.0 $\pm$ 8.6	75.6 $\pm$ 6.1	44.3 $\pm$ 5.8	40.3 $\pm$ 5.0	97.6 $\pm$ 7.5	109.3 $\pm$ 19.2	129.6 $\pm$ 12.4
	C	83.2 $\pm$ 13.8	74.7 $\pm$ 5.6	73.8 $\pm$ 8.4	72.3 $\pm$ 5.4	41.7 $\pm$ 4.4	39.3 $\pm$ 2.5	96.4 $\pm$ 8.4	113.0 $\pm$ 23.6	123.0 $\pm$ 5.7
	PX	78.9 $\pm$ 8.4	73.6 $\pm$ 20.5	72.2 $\pm$ 9.3	77.1 $\pm$ 9.0	49.6 $\pm$ 4.3	41.0 $\pm$ 5.9	91.0 $\pm$ 7.6	76.6 $\pm$ 6.3	63.6 $\pm$ 8.3
	*	- 3.16	- 1.47	- 2.16	+ 6.69	+ 18.93	+ 1.32	- 5.59	- 32.20	- 48.30
Adipose tissue	PN	222.7 $\pm$ 20.0	274.1 $\pm$ 14.9	295.4 $\pm$ 40.5	437.6 $\pm$ 60.7	360.5 $\pm$ 94.5	148.5 $\pm$ 30.3	252.9 $\pm$ 51.4	270.0 $\pm$ 35.7	316.8 $\pm$ 30.2
	C	216.0 $\pm$ 34.6	267.3 $\pm$ 27.3	302.5 $\pm$ 33.0	440.5 $\pm$ 90.3	368.7 $\pm$ 55.0	142.3 $\pm$ 25.7	265.7 $\pm$ 23.0	275.0 $\pm$ 11.1	307.7 $\pm$ 28.6
	PX	260.1 $\pm$ 53.3	285.7 $\pm$ 54.2	300.5 $\pm$ 56.0	437.8 $\pm$ 94.7	416.8 $\pm$ 42.8	197.2 $\pm$ 31.5	156.9 $\pm$ 12.9	241.6 $\pm$ 35.1	270.9 $\pm$ 51.2
	*	+ 20.42	+ 6.88	- 0.63	- 0.61	+ 13.04	+ 38.58	- 40.95	- 12.12	- 11.94
Serum	} P <	-	.05	-	-	-	.01	-	-	
Liver		.01	-	-	.01	.001	.001	.001	.05	
Muscle		-	-	-	-	.05	-	-	.001	
Adipose tissue		-	-	-	-	-	.05	.001	-	

P values refer to differences between C and PX groups.

The Student's 't' test was used to analyze differences in means.

Abbreviations same as in chapter 1.

TABLE 3

POTASSIUM ION CONTENT : mg/100 dry lipid free tissue; mg/100 ml serum. Mean  $\pm$  S.D.

Tissue Group	Recrudescant period			Breeding period			Regression period			
	30	45	60	30	45	60	30	45	60	
Serum	PN	31.50 $\pm$ 2.47	32.14 $\pm$ 2.57	30.16 $\pm$ 2.30	33.66 $\pm$ 3.00	27.00 $\pm$ 2.12	26.60 $\pm$ 1.41	24.01 $\pm$ 3.61	20.85 $\pm$ 2.93	27.90 $\pm$ 2.82
	C	33.75 $\pm$ 2.73	30.62 $\pm$ 1.01	29.83 $\pm$ 3.00	32.62 $\pm$ 2.42	28.20 $\pm$ 1.56	25.70 $\pm$ 1.09	23.86 $\pm$ 2.73	20.66 $\pm$ 2.01	28.44 $\pm$ 3.93
	PX	29.80 $\pm$ 1.54	35.75 $\pm$ 2.59	39.83 $\pm$ 3.00	38.87 $\pm$ 3.01	30.80 $\pm$ 2.46	25.73 $\pm$ 2.30	25.41 $\pm$ 1.59	21.11 $\pm$ 1.48	21.27 $\pm$ 2.50
	*	- 3.08	+ 16.75	+ 33.52	+ 19.16	+ 9.21	+ 0.03	+ 6.49	+ 2.17	- 25.21
Liver	PN	358.1 $\pm$ 22.4	541.0 $\pm$ 71.6	628.4 $\pm$ 40.8	564.1 $\pm$ 60.5	550.0 $\pm$ 22.0	451.41 $\pm$ 36.92	316.8 $\pm$ 31.5	310.6 $\pm$ 39.5	314.9 $\pm$ 30.9
	C	351.3 $\pm$ 36.7	537.1 $\pm$ 25.2	639.7 $\pm$ 94.0	570.2 $\pm$ 70.9	543.4 $\pm$ 46.2	463.4 $\pm$ 39.8	298.5 $\pm$ 28.8	314.2 $\pm$ 41.6	325.4 $\pm$ 33.2
	PX	843.5 $\pm$ 67.1	832.0 $\pm$ 399.6	806.0 $\pm$ 47.5	598.8 $\pm$ 61.0	580.0 $\pm$ 38.7	540.8 $\pm$ 23.8	581.3 $\pm$ 26.5	406.0 $\pm$ 24.9	356.5 $\pm$ 29.9
	*	+139.90	+ 54.90	+ 26.19	+ 5.01	+ 6.74	+ 16.70	+ 94.74	+ 29.86	+ 9.55
Muscle	PN	748.9 $\pm$ 63.8	769.6 $\pm$ 53.0	791.1 $\pm$ 44.1	935.8 $\pm$ 142.0	511.5 $\pm$ 70.1	463.5 $\pm$ 36.7	764.9 $\pm$ 49.5	689.7 $\pm$ 71.3	503.5 $\pm$ 33.0
	C	738.1 $\pm$ 27.2	759.8 $\pm$ 70.6	786.4 $\pm$ 147.3	931.4 $\pm$ 121.2	493.3 $\pm$ 64.5	467.3 $\pm$ 26.8	768.2 $\pm$ 21.1	668.2 $\pm$ 27.1	507.5 $\pm$ 27.1
	PX	745.0 $\pm$ 92.7	728.9 $\pm$ 20.9	721.2 $\pm$ 43.6	964.1 $\pm$ 93.9	557.6 $\pm$ 31.2	549.0 $\pm$ 39.4	616.7 $\pm$ 39.4	572.4 $\pm$ 19.1	375.3 $\pm$ 22.2
	*	+ 0.93	- 4.06	- 8.29	+ 3.51	+ 13.03	+ 17.48	+ 19.71	+ 14.33	- 26.05
Adipose tissue	PN	128.9 $\pm$ 22.0	120.2 $\pm$ 11.1	196.8 $\pm$ 37.2	199.3 $\pm$ 47.7	250.6 $\pm$ 13.2	269.5 $\pm$ 16.5	228.8 $\pm$ 31.4	206.7 $\pm$ 14.8	150.7 $\pm$ 13.5
	C	115.1 $\pm$ 30.2	117.1 $\pm$ 22.8	193.9 $\pm$ 25.9	206.5 $\pm$ 14.7	253.3 $\pm$ 18.9	277.7 $\pm$ 38.6	244.4 $\pm$ 14.4	207.8 $\pm$ 20.4	157.1 $\pm$ 17.4
	PX	150.3 $\pm$ 26.3	161.7 $\pm$ 14.2	192.1 $\pm$ 20.6	196.2 $\pm$ 47.0	228.9 $\pm$ 55.9	230.1 $\pm$ 36.2	164.0 $\pm$ 15.5	148.6 $\pm$ 12.2	120.4 $\pm$ 11.7
	*	+ 30.58	+ 38.00	- 0.91	- 4.96	- 9.63	- 17.16	- 26.90	- 28.44	- 23.34
Serum	P <	-	.001	.001	.01	-	-	-	-	.01
Liver		.001	.05	.01	-	-	.01	.001	.01	.01
Muscle		-	-	-	-	-	.01	.001	.001	.001
Adipose tissue		.001	-	-	-	-	.01	.001	.001	.01

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 4

CALCIUM ION CONTENT : mg/100 g dry lipid free tissue ; mg/100 ml serum . Mean  $\pm$  S.D.

Tissue Group	Recrudescant period			Breeding period			Regression period			
	30	45	60	30	45	60	30	45	60	
Serum	P	2.60 $\pm$ 0.44	3.74 $\pm$ 0.22	4.60 $\pm$ 0.40	3.36 $\pm$ 0.30	2.80 $\pm$ 0.27	2.32 $\pm$ 0.22	3.66 $\pm$ 0.21	4.17 $\pm$ 0.29	5.35 $\pm$ 0.47
	C	2.80 $\pm$ 0.18	3.55 $\pm$ 0.14	4.30 $\pm$ 0.29	5.10 $\pm$ 0.20	2.72 $\pm$ 0.18	2.41 $\pm$ 0.20	5.75 $\pm$ 0.17	4.23 $\pm$ 0.14	5.49 $\pm$ 1.33
	PX	5.04 $\pm$ 0.55	5.20 $\pm$ 0.33	5.60 $\pm$ 0.21	2.80 $\pm$ 0.20	2.80 $\pm$ 0.20	2.40 $\pm$ 0.26	2.83 $\pm$ 0.13	4.01 $\pm$ 0.16	3.68 $\pm$ 0.30
	*	+76.22	+46.47	+30.23	- 9.67	- 2.94	- 0.41	-24.55	-5.90	-32.96
Liver	PN	13.71 $\pm$ 2.54	14.73 $\pm$ 2.01	12.21 $\pm$ 2.70	6.12 $\pm$ 0.73	11.63 $\pm$ 1.41	12.25 $\pm$ 0.52	8.24 $\pm$ 0.56	7.72 $\pm$ 1.02	6.26 $\pm$ 0.38
	C	14.50 $\pm$ 1.01	13.07 $\pm$ 1.51	11.81 $\pm$ 3.90	6.08 $\pm$ 1.27	10.41 $\pm$ 1.72	12.26 $\pm$ 0.40	7.97 $\pm$ 0.23	7.69 $\pm$ 0.26	6.36 $\pm$ 1.03
Muscle	PX	13.86 $\pm$ 2.70	12.03 $\pm$ 2.51	8.83 $\pm$ 1.52	4.85 $\pm$ 0.70	8.83 $\pm$ 1.07	11.70 $\pm$ 0.42	5.28 $\pm$ 1.52	6.81 $\pm$ 2.20	6.63 $\pm$ 1.61
	*	- 4.41	- 7.95	-25.16	-20.23	-17.78	- 4.56	-33.75	-11.44	+ 4.24
Muscle	PN	16.41 $\pm$ 3.82	18.37 $\pm$ 4.82	7.07 $\pm$ 0.45	7.61 $\pm$ 1.45	5.56 $\pm$ 0.50	4.66 $\pm$ 0.20	11.83 $\pm$ 1.78	9.41 $\pm$ 0.42	9.15 $\pm$ 1.12
	C	19.60 $\pm$ 2.70	17.40 $\pm$ 1.41	7.45 $\pm$ 1.54	7.38 $\pm$ 1.52	5.61 $\pm$ 0.72	4.70 $\pm$ 0.50	12.37 $\pm$ 1.30	9.1 $\pm$ 1.1	8.90 $\pm$ 0.29
Muscle	PX	23.31 $\pm$ 3.71	21.61 $\pm$ 2.70	12.15 $\pm$ 2.00	5.72 $\pm$ 0.45	5.30 $\pm$ 1.17	4.84 $\pm$ 0.13	18.53 $\pm$ 2.35	11.71 $\pm$ 0.12	8.56 $\pm$ 0.42
	*	+26.34	+24.13	+62.81	-22.49	- 5.52	+ 2.97	+49.79	+28.91	- 3.82
Serum } Liver } Muscle }	P	.001	.001	.001	.05	-	-	.05	.05	.05
	C	-	-	-	-	-	-	.01	-	-
	Muscle	.01	.071	.001	.05	-	-	.001	.001	-

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 1

TOTAL LIPID CONTENT: mg/100 g fresh tissue. Mean  $\pm$  S. D.

Tissue Group	Recrudescence period				Breeding period				Regression period			
	30	45	60		30	45	60		30	45	60	
Liver	PN	11.93 $\pm$ 2.86	9.94 $\pm$ 2.06	9.56 $\pm$ 1.09	5.58 $\pm$ 0.37	7.29 $\pm$ 0.76	8.02 $\pm$ 1.54		16.51 $\pm$ 2.74	19.74 $\pm$ 1.03	26.46 $\pm$ 2.86	
	C	10.35 $\pm$ 2.88	9.17 $\pm$ 1.02	9.44 $\pm$ 1.09	5.69 $\pm$ 0.93	7.38 $\pm$ 0.66	8.24 $\pm$ 0.86		17.72 $\pm$ 1.35	18.85 $\pm$ 1.52	26.72 $\pm$ 2.77	
	PX	9.08 $\pm$ 1.49	8.03 $\pm$ 0.33	7.54 $\pm$ 0.65	4.82 $\pm$ 0.89	6.74 $\pm$ 0.71	8.06 $\pm$ 0.85		12.30 $\pm$ 1.38	16.19 $\pm$ 0.87	24.60 $\pm$ 1.92	
	*	-12.27	-12.43	-20.12	-15.28	- 8.67	- 2.18		-30.58	-14.11	- 7.93	
Muscle	PN	7.86 $\pm$ 0.68	7.09 $\pm$ 0.99	6.59 $\pm$ 0.47	4.29 $\pm$ 0.42	5.72 $\pm$ 0.57	6.50 $\pm$ 0.99		7.94 $\pm$ 1.08	7.20 $\pm$ 0.14	16.66 $\pm$ 1.60	
	C	8.41 $\pm$ 0.55	7.18 $\pm$ 0.54	6.58 $\pm$ 1.01	4.15 $\pm$ 0.53	5.64 $\pm$ 1.13	6.29 $\pm$ 0.78		7.40 $\pm$ 0.32	7.23 $\pm$ 0.32	16.52 $\pm$ 2.36	
	PX	6.05 $\pm$ 0.87	5.71 $\pm$ 0.48	5.45 $\pm$ 0.74	3.71 $\pm$ 0.37	4.72 $\pm$ 0.51	5.81 $\pm$ 0.78		6.95 $\pm$ 0.88	7.73 $\pm$ 1.10	16.50 $\pm$ 2.30	
	*	-24.85	-20.47	-17.17	-10.60	-16.31	- 7.63		- 6.08	- 6.91	- 7.12	
Adipose tissue	PN	81.53 $\pm$ 2.54	87.74 $\pm$ 8.69	81.85 $\pm$ 3.25	82.86 $\pm$ 6.38	86.68 $\pm$ 4.49	88.30 $\pm$ 4.73		84.76 $\pm$ 4.04	82.83 $\pm$ 4.30	81.18 $\pm$ 5.06	
	C	84.68 $\pm$ 3.44	87.96 $\pm$ 6.56	83.42 $\pm$ 3.36	81.92 $\pm$ 2.29	85.53 $\pm$ 1.37	85.69 $\pm$ 0.90		85.33 $\pm$ 2.46	84.46 $\pm$ 3.65	82.63 $\pm$ 2.08	
	PX	79.44 $\pm$ 8.85	65.08 $\pm$ 1.72	62.69 $\pm$ 1.09	78.41 $\pm$ 0.69	80.29 $\pm$ 2.30	80.94 $\pm$ 2.60		85.76 $\pm$ 4.04	86.65 $\pm$ 2.40	86.31 $\pm$ 2.66	
	*	- 6.40	-26.01	-24.85	- 4.28	- 6.12	- 5.54		+ 0.50	+ 2.59	+ 4.45	

Liver } p < .05  
Muscle } .01  
Adipose } .001  
tissue } .001

P values refer to differences between C and PX pigeons. The Student's 't' test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 2

TOTAL CHOLESTEROL CONTENT, : mg/100 mg total lipid. Mean  $\pm$  S. D.

Tissue	Group	Recrudescence period			Breeding period			Regression period		
		30	45	60	30	45	60	30	45	60
Liver	PN	7.36 $\pm 1.16$	8.26 $\pm 1.72$	8.31 $\pm 0.57$	11.02 $\pm 1.38$	5.89 $\pm 0.56$	5.81 $\pm 0.60$	4.54 $\pm 0.25$	5.74 $\pm 0.75$	5.79 $\pm 0.44$
	C	7.41 $\pm 0.85$	7.87 $\pm 0.57$	7.82 $\pm 0.69$	11.00 $\pm 1.56$	5.88 $\pm 0.50$	5.74 $\pm 0.44$	4.75 $\pm 0.59$	5.81 $\pm 0.80$	5.91 $\pm 0.50$
	PX	7.77 $\pm 1.46$	9.51 $\pm 0.21$	10.97 $\pm 0.41$	11.21 $\pm 1.83$	6.47 $\pm 0.61$	6.37 $\pm 0.68$	4.09 $\pm 1.04$	5.57 $\pm 0.43$	5.55 $\pm 0.54$
	*	+4.43	+20.83	+40.28	+1.90	+10.03	+10.97	-13.89	-7.57	-6.09
Muscle	PN	5.01 $\pm 0.47$	4.85 $\pm 0.35$	3.69 $\pm 0.22$	5.42 $\pm 0.39$	3.90 $\pm 0.40$	3.71 $\pm 0.31$	4.06 $\pm 0.50$	4.85 $\pm 0.70$	4.99 $\pm 0.16$
	C	5.06 $\pm 0.20$	4.71 $\pm 0.49$	3.73 $\pm 0.42$	5.51 $\pm 0.34$	3.85 $\pm 0.22$	3.81 $\pm 0.42$	3.99 $\pm 0.59$	4.74 $\pm 0.78$	5.09 $\pm 0.82$
	PX	5.11 $\pm 0.81$	5.13 $\pm 1.61$	3.96 $\pm 0.44$	6.08 $\pm 0.57$	4.93 $\pm 0.27$	4.78 $\pm 0.36$	2.20 $\pm 0.15$	3.63 $\pm 0.47$	3.86 $\pm 0.29$
	*	+0.98	+8.91	+6.16	+1.34	+28.05	+25.45	-44.86	-23.41	-24.16
Adipose	PN	7.23 $\pm 0.27$	4.21 $\pm 0.52$	3.52 $\pm 0.58$	3.97 $\pm 0.39$	4.33 $\pm 0.25$	4.82 $\pm 0.36$	4.66 $\pm 0.29$	4.81 $\pm 0.80$	4.81 $\pm 0.39$
	C	7.21 $\pm 0.51$	4.25 $\pm 0.82$	3.59 $\pm 0.44$	4.03 $\pm 0.46$	4.40 $\pm 0.44$	4.95 $\pm 0.42$	4.60 $\pm 0.63$	4.79 $\pm 0.55$	4.71 $\pm 1.71$
	PX	7.08 $\pm 0.74$	3.92 $\pm 0.62$	3.67 $\pm 0.80$	2.41 $\pm 0.39$	2.85 $\pm 0.39$	4.81 $\pm 0.50$	3.90 $\pm 0.67$	4.67 $\pm 0.50$	4.73 $\pm 0.43$
	*	-1.80	-6.28	+2.22	-40.19	-35.22	-2.82	-15.21	-2.50	+0.42
Liver	} P <	-	.001	.001	-	-	.01	-	-	-
Muscle		-	-	-	-	.001	.01	.001	.05	.75
Adipose		-	-	-	.001	.001	-	-	-	-
tissue										

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means.

Abbreviations same as in chapter 1.

TABLE 3

PHOSPHOLIPID CONTENT : Expressed as mg/ 100 mg total lipid. Mean  $\pm$  S. D.

Tissue	Group	Recrudescence period			Breeding period			Regression period		
		30	45	60	30	45	60	30	45	60
Liver	PN	43.90 $\pm$ 6.25	25.92 $\pm$ 3.22	21.75 $\pm$ 1.55	25.12 $\pm$ 2.11	39.03 $\pm$ 5.67	45.57 $\pm$ 7.50	9.76 $\pm$ 1.15	11.28 $\pm$ 3.05	11.67 $\pm$ 2.42
	C	44.25 $\pm$ 2.55	27.50 $\pm$ 1.65	21.52 $\pm$ 1.30	29.27 $\pm$ 4.02	37.25 $\pm$ 3.70	44.31 $\pm$ 7.85	9.65 $\pm$ 0.85	11.24 $\pm$ 3.72	11.55 $\pm$ 0.82
	PX	38.17 $\pm$ 2.80	24.97 $\pm$ 0.90	20.95 $\pm$ 2.92	18.35 $\pm$ 1.87	22.65 $\pm$ 4.85	25.05 $\pm$ 1.00	10.31 $\pm$ 1.99	12.40 $\pm$ 1.72	13.85 $\pm$ 2.13
	*	-13.72	- 9.12	- 2.67	-37.31	-39.19	-43.45	+ 6.83	+10.32	+19.91
Muscle	PN	36.91 $\pm$ 6.15	26.43 $\pm$ 2.14	22.52 $\pm$ 1.72	27.12 $\pm$ 2.07	32.35 $\pm$ 3.90	31.85 $\pm$ 5.77	16.62 $\pm$ 1.95	16.88 $\pm$ 2.07	18.11 $\pm$ 3.01
	C	35.35 $\pm$ 7.87	24.95 $\pm$ 3.00	22.42 $\pm$ 2.15	26.17 $\pm$ 3.45	31.22 $\pm$ 5.02	32.75 $\pm$ 1.42	16.72 $\pm$ 1.22	16.94 $\pm$ 1.55	18.25 $\pm$ 1.90
	PX	40.47 $\pm$ 6.12	34.72 $\pm$ 7.25	28.02 $\pm$ 3.05	22.17 $\pm$ 2.12	23.85 $\pm$ 3.15	27.22 $\pm$ 3.40	14.42 $\pm$ 1.12	15.02 $\pm$ 2.55	16.97 $\pm$ 2.56
	*	+14.49	+39.17	+24.97	-15.28	-23.61	-16.87	-13.75	-11.33	- 7.54
Adipose	PN	0.266 $\pm$ 0.042	0.305 $\pm$ 0.046	0.336 $\pm$ 0.042	0.640 $\pm$ 0.047	0.457 $\pm$ 0.045	0.439 $\pm$ 0.046	0.354 $\pm$ 0.090	0.413 $\pm$ 0.084	0.445 $\pm$ 0.191
	C	0.276 $\pm$ 0.055	0.315 $\pm$ 0.019	0.348 $\pm$ 0.038	0.627 $\pm$ 0.080	0.448 $\pm$ 0.027	0.433 $\pm$ 0.033	0.345 $\pm$ 0.047	0.420 $\pm$ 0.070	0.447 $\pm$ 0.061
	PX	0.321 $\pm$ 0.109	0.385 $\pm$ 0.056	0.455 $\pm$ 0.062	0.560 $\pm$ 0.009	0.390 $\pm$ 0.105	0.307 $\pm$ 0.052	0.420 $\pm$ 0.130	0.429 $\pm$ 0.100	0.455 $\pm$ 0.114
	*	+16.29	+22.44	+30.48	-10.74	-12.94	-21.09	+21.88	+ 2.19	+ 1.78
Liver	} P <	.01	.05	-	.001	.001	.001	-	-	.05
Muscle		-	.05	.01	.05	.05	.01	.05	-	-
Adipose tissue)		-	.05	.01	-	-	.01	-	-	-

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means.

Abbreviations same as in chapter 1.

TABLE 4

\* APPROXIMATE TRIGLYCERIDE CONTENT : Expressed as percentage of total lipids.

Tissue Group	Recrudescence period			Breeding period			Regression period			
	30	45	60	30	45	60	30	45	60	
Liver	PN	40.74	65.82	70.04	36.14	55.08	48.62	85.70	82.98	82.54
	C	40.31	64.63	70.66	59.73	56.87	49.95	85.60	82.45	82.54
	PX	54.06	65.52	68.08	70.44	70.88	68.58	95.60	82.23	80.50
Muscle	PN	59.08	68.72	73.79	67.46	63.75	64.44	79.32	78.27	76.90
	C	59.64	70.34	73.85	68.32	64.93	63.44	79.29	78.32	76.66
	PX	54.42	60.15	68.02	71.75	71.22	68.00	83.38	81.35	79.17
Adipose tissue	PN	92.50	95.48	96.14	95.39	95.21	94.74	94.98	94.77	94.74
	C	92.51	94.43	96.06	95.04	95.15	94.61	95.05	94.79	94.89
	PX	92.59	94.69	95.87	97.03	96.76	94.88	95.68	94.90	94.81

The Student's *t* test was used to analyze differences in means. Abbreviations same as in chapter 1.

\* Triglyceride values are calculated according to the method of Reddy *et al.* (1972).

TABLE 1

ADENOSINE TRIPHOSPHATASE ACTIVITY : Expressed as  $\mu\text{g}$  phosphate liberated / mg protein / 10 minutes. Mean  $\pm$  S. D.

Tissue Group	Recrudescence period			Breeding period			Regression period			
	30	45	60	30	45	60	30	45	60	
Liver	PN	119.28	66.64	72.68	102.50	102.25	100.33	83.05	74.20	72.51
		$\pm$ 6.88	$\pm$ 7.06	$\pm$ 5.90	$\pm$ 16.52	$\pm$ 10.36	$\pm$ 14.31	$\pm$ 7.84	$\pm$ 5.97	$\pm$ 8.52
C	C	113.94	74.18	66.08	103.37	101.08	99.33	84.21	76.88	70.04
		$\pm$ 11.12	$\pm$ 7.83	$\pm$ 3.65	$\pm$ 14.44	$\pm$ 7.23	$\pm$ 9.77	$\pm$ 7.25	$\pm$ 4.86	$\pm$ 10.12
PX	PX	45.69	51.41	89.23	107.49	122.69	151.66	98.56	114.61	128.42
		$\pm$ 3.20	$\pm$ 4.57	$\pm$ 11.06	$\pm$ 9.63	$\pm$ 13.27	$\pm$ 11.97	$\pm$ 4.36	$\pm$ 10.43	$\pm$ 9.59
*	*	56.38	30.69	35.03	3.98	21.37	52.68	17.04	49.20	63.35
Muscle	PN	63.33	112.10	122.23	114.11	122.40	131.37	112.37	82.75	60.03
		$\pm$ 5.85	$\pm$ 9.88	$\pm$ 1.46	$\pm$ 16.15	$\pm$ 16.32	$\pm$ 13.95	$\pm$ 5.48	$\pm$ 6.32	$\pm$ 4.71
C	C	68.57	109.79	122.55	120.46	119.18	128.35	110.44	81.44	62.11
		$\pm$ 4.80	$\pm$ 7.54	$\pm$ 1.80	$\pm$ 17.95	$\pm$ 13.65	$\pm$ 19.70	$\pm$ 7.93	$\pm$ 9.22	$\pm$ 7.82
PX	PX	57.05	98.53	123.20	127.25	135.75	147.04	118.62	104.70	86.31
		$\pm$ 2.03	$\pm$ 9.14	$\pm$ 1.74	$\pm$ 18.24	$\pm$ 15.30	$\pm$ 15.51	$\pm$ 8.11	$\pm$ 7.55	$\pm$ 4.68
*	*	16.80	10.25	0.53	5.63	13.90	13.67	7.40	28.19	38.96
Liver	P <	.001	.001	.001	-	.01	.001	.05	.001	.001
		.001	-	-	-	-	-	-	.01	.001
Muscle	P <	.001	.001	.001	-	.01	.001	.05	.001	.001
		.001	-	-	-	-	-	-	.01	.001

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 2

SUCCINATE DEHYDROGENASE ACTIVITY : Expressed as  $\mu\text{g}$  formazan formed / mg protein / 30 minutes. Mean  $\pm$  S. D.

Tissue Group	Recurdescent period				Breeding period				Regression period				
	30	45	60	30	45	60	30	45	60	30	45	60	
Liver	PN	4.77 $\pm$ 3.49	4.23 $\pm$ 0.53	6.40 $\pm$ 0.93	7.21 $\pm$ 0.51	6.53 $\pm$ 0.68	6.61 $\pm$ 0.10	4.61 $\pm$ 0.42	5.02 $\pm$ 0.22	6.04 $\pm$ 0.06			
	C	5.98 $\pm$ 0.44	4.71 $\pm$ 0.43	6.28 $\pm$ 0.73	6.99 $\pm$ 0.42	6.43 $\pm$ 0.38	6.66 $\pm$ 0.44	4.88 $\pm$ 0.62	5.14 $\pm$ 0.72	5.97 $\pm$ 0.39			
	PX	4.43 $\pm$ 1.06	5.31 $\pm$ 0.28	10.08 $\pm$ 1.26	5.12 $\pm$ 0.23	4.77 $\pm$ 0.10	4.66 $\pm$ 0.83	2.12 $\pm$ 0.56	4.57 $\pm$ 0.25	6.02 $\pm$ 0.97			
*		+11.30	+12.73	+60.50	-26.75	-25.81	-30.03	-56.55	-12.25	+ 0.83			
Muscle	PN	10.45 $\pm$ 0.96	9.34 $\pm$ 0.46	9.44 $\pm$ 0.87	8.53 $\pm$ 0.64	10.54 $\pm$ 0.35	12.01 $\pm$ 1.74	7.36 $\pm$ 0.26	7.62 $\pm$ 0.34	7.91 $\pm$ 0.47			
	C	10.68 $\pm$ 1.54	9.85 $\pm$ 0.52	9.64 $\pm$ 0.80	8.65 $\pm$ 0.48	11.36 $\pm$ 1.71	13.46 $\pm$ 0.33	7.32 $\pm$ 0.43	7.65 $\pm$ 0.61	7.79 $\pm$ 0.51			
	PX	6.84 $\pm$ 0.80	9.42 $\pm$ 0.85	13.55 $\pm$ 1.93	13.86 $\pm$ 0.82	14.40 $\pm$ 0.95	17.68 $\pm$ 1.88	4.55 $\pm$ 0.50	6.62 $\pm$ 0.20	7.49 $\pm$ 0.57			
*		-35.50	- 4.36	+40.56	+60.23	+26.76	+31.35	-57.84	-13.46	- 3.55			
Kidney	PN	10.72 $\pm$ 1.53	9.22 $\pm$ 0.56	8.51 $\pm$ 0.61	9.99 $\pm$ 0.96	8.24 $\pm$ 0.21	6.86 $\pm$ 0.44	6.73 $\pm$ 0.34	6.58 $\pm$ 0.86	8.75 $\pm$ 0.25			
	C	11.92 $\pm$ 1.43	9.25 $\pm$ 0.74	8.40 $\pm$ 0.19	9.88 $\pm$ 0.42	8.28 $\pm$ 0.77	7.14 $\pm$ 0.73	6.80 $\pm$ 0.52	6.98 $\pm$ 0.27	8.57 $\pm$ 0.99			
	PX	6.44 $\pm$ 0.91	7.48 $\pm$ 0.16	8.60 $\pm$ 1.26	6.42 $\pm$ 0.35	6.78 $\pm$ 0.31	7.46 $\pm$ 0.88	5.93 $\pm$ 0.70	6.43 $\pm$ 0.71	7.60 $\pm$ 0.35			
*		-45.91	-13.13	+ 0.23	-36.02	-13.11	+ 4.48	-12.79	- 7.87	-10.38			
Liver } Muscle } Kidney }	P <		.05	.001	.001	.001	.01	.001	.01	.001	.01	.001	
			.01	.01	.001	.01	.01	.01	.01	.01	.01	.01	.01
			.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001

P values refer to differences between C and PX groups. The Student's 't' test was used to analyze differences in means. Abbreviations same as in Chapter 1.

TABLE 3

GLUCOSE-6-PHOSPHATASE ACTIVITY : Expressed as  $\mu\text{g}$  phosphate liberated/mg protein/15 minutes. Mean  $\pm$  S. D.

Tissue Group	Recrudescence period			Breeding period			Regression period			
	30	45	60	30	45	60	30	45	60	
Liver	PW	46.15 $\pm$ 1.37	38.02 $\pm$ 4.86	28.02 $\pm$ 2.44	40.26 $\pm$ 2.89	43.42 $\pm$ 4.36	49.98 $\pm$ 4.45	19.18 $\pm$ 2.15	24.96 $\pm$ 1.64	30.84 $\pm$ 2.92
	C	46.40 $\pm$ 4.93	39.82 $\pm$ 3.29	28.11 $\pm$ 2.24	40.27 $\pm$ 3.31	43.29 $\pm$ 5.67	49.86 $\pm$ 4.57	21.33 $\pm$ 2.27	23.57 $\pm$ 2.31	29.25 $\pm$ 0.86
	PX	40.75 $\pm$ 4.34	33.83 $\pm$ 3.15	24.42 $\pm$ 1.99	53.49 $\pm$ 5.78	50.57 $\pm$ 4.88	47.99 $\pm$ 4.33	17.15 $\pm$ 1.26	23.01 $\pm$ 2.14	28.45 $\pm$ 1.70
	*	-12.17	-14.59	-13.12	+32.82	+16.81	- 3.75	-19.59	- 2.37	- 2.75
Gonad	PW	9.06 $\pm$ 1.77	9.53 $\pm$ 0.88	9.42 $\pm$ 0.21	18.82 $\pm$ 2.18	17.37 $\pm$ 1.39	20.78 $\pm$ 1.43	9.58 $\pm$ 1.06	12.57 $\pm$ 1.87	16.23 $\pm$ 2.22
	C	10.76 $\pm$ 1.21	9.92 $\pm$ 1.31	9.76 $\pm$ 1.25	18.78 $\pm$ 1.18	18.17 $\pm$ 1.64	17.94 $\pm$ 1.98	11.88 $\pm$ 0.94	13.12 $\pm$ 1.23	15.85 $\pm$ 1.38
	PX	6.99 $\pm$ 0.69	8.19 $\pm$ 0.22	11.80 $\pm$ 1.02	16.49 $\pm$ 0.42	27.07 $\pm$ 2.72	30.81 $\pm$ 2.93	27.56 $\pm$ 1.99	25.55 $\pm$ 2.06	15.79 $\pm$ 2.00
	*	-35.03	-17.43	+20.90	-12.19	+48.98	+71.73	+131.98	+94.74	- 0.62
Liver } p <		.05	.05	.01	.05	.05	.01	.01	.01	
Gonad } p <	.001	.05	.05	.01	.001	.001	.001	.001	.001	

P values refer to differences between C and PX animals. The Student's 't' test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 1

GLYCOGEN CONTENT ; Expressed as percentage on fresh tissue weight. Mean  $\pm$  S. D.

Tissue Group	Recrudescence period			Breeding period			Regression period			
	30	45	60	30	45	60	30	45	60	
Liver	PN	3.51 +0.45	2.68 +0.29	2.32 +0.19	3.40 +0.24	2.39 +0.24	2.40 +0.26	2.54 +0.36	2.63 +0.28	2.62 +0.27
	C	3.55 +0.34	2.65 +0.24	2.58 +0.20	3.39 +0.45	2.50 +0.33	2.51 +0.24	2.47 +0.19	2.62 +0.22	2.74 +0.16
	PX	1.74 +0.24	1.61 +0.13	1.39 +0.45	0.44 +0.22	0.37 +0.15	0.48 +0.21	1.89 +0.24	1.76 +0.16	2.22 +0.15
	*	-50.98	-39.24	-46.12	-87.02	-81.20	-80.87	-23.48	-32.82	-18.97
Muscle	PN	0.77 +0.03	0.76 +0.20	0.72 +0.02	1.29 +0.11	1.37 +0.06	1.27 +0.02	1.72 +0.19	1.72 +0.15	1.51 +0.11
	C	0.73 +0.08	0.72 +0.19	0.76 +0.31	1.15 +0.12	1.21 +0.18	1.09 +0.22	1.62 +0.27	1.81 +0.33	1.42 +0.27
	PX	9.80 +0.15	0.88 +0.12	0.96 +0.07	0.35 +0.13	0.37 +0.15	0.45 +0.12	0.65 +0.19	0.93 +0.11	1.37 +0.11
	*	+9.51	+22.22	+26.31	-69.56	-69.42	-58.71	-59.25	-48.60	-3.53
Liver)	P	.001	.001	.001	.001	.001	.001	.01	.001	.001
Muscle)	P	-	-	-	.001	.001	.001	.001	.001	-

P values refer to differences between C and PX groups. The Student's t test was used to analyze differences in means. Abbreviations same as in chapter 1.

TABLE 2

PHOSPHORYLASE ACTIVITY : Expressed as  $\mu\text{g}$  phosphorus released /  
 mg protein / 15 minutes. Mean  $\pm$  S. D.

Tissue Group	Recrudescence phase			Breeding phase			Regression phase			
	30	45	60	30	45	60	30	45	60	
Liver	PN	21.11 $\pm$ 2.25	22.00 $\pm$ 0.71	22.23 $\pm$ 1.46	9.89 $\pm$ 1.64	9.61 $\pm$ 1.33	9.60 $\pm$ 1.07	25.60 $\pm$ 2.82	24.00 $\pm$ 3.51	24.62 $\pm$ 2.56
	C	21.00 $\pm$ 0.84	22.10 $\pm$ 1.81	22.55 $\pm$ 1.80	10.36 $\pm$ 0.57	10.37 $\pm$ 1.40	10.50 $\pm$ 1.71	26.40 $\pm$ 1.93	27.00 $\pm$ 2.63	26.35 $\pm$ 2.20
	PX	18.40 $\pm$ 1.43	19.82 $\pm$ 1.06	23.20 $\pm$ 1.74	13.40 $\pm$ 1.72	25.30 $\pm$ 2.90	32.62 $\pm$ 4.03	17.21 $\pm$ 1.79	18.95 $\pm$ 1.23	21.99 $\pm$ 1.34
	*	-15.8	-10.31	+ 2.86	+32.81	+143.97	+210.66	-34.81	-29.81	-13.81
Muscle	PN	2.98 $\pm$ 0.45	4.79 $\pm$ 0.37	5.94 $\pm$ 0.94	11.42 $\pm$ 2.43	14.71 $\pm$ 2.73	13.74 $\pm$ 1.63	12.27 $\pm$ 1.74	14.67 $\pm$ 2.73	13.73 $\pm$ 2.22
	C	3.84 $\pm$ 0.55	5.21 $\pm$ 0.69	5.96 $\pm$ 0.85	9.83 $\pm$ 1.30	12.23 $\pm$ 1.14	13.59 $\pm$ 1.19	12.65 $\pm$ 1.63	14.63 $\pm$ 1.49	15.30 $\pm$ 1.65
	PX	2.19 $\pm$ 0.17	3.02 $\pm$ 0.37	5.40 $\pm$ 1.24	16.28 $\pm$ 1.72	24.50 $\pm$ 2.49	32.24 $\pm$ 3.28	12.43 $\pm$ 2.14	14.11 $\pm$ 1.40	14.95 $\pm$ 2.67
	*	-42.98	-42.03	- 9.39	+65.61	+100.32	+137.23	- 1.73	- 3.55	- 2.28
Liver)	.01	-	-	.01	.001	.001	.001	.001	.001	.01
Muscle)	.00	.001	-	.001	.001	.001	.001	.001	.001	-

P values refer to differences between C and PX groups.  
 The Student's 't' test was used to analyze differences in means.  
 Abbreviations same as in chapter 1.