

## Appendices (I) : Analysis of Variance

### T- Test for Paired Samples – Variable Rearing Period (Female & Mal )

Parameter	Treatment	Mean	S.D	No of Pairs	Corr	Paired Difference			T. Value	d.f.	Sig. (2 tailed)
						Mean	SD	SE of Mean			
Mortality (Female )	Non-rehabilitated Rehabilitated	0.090 0.371	0.0622 0.096	6	-0.589	-0.281	0.0778	0.031	-8.865	5	0.000
Culls (Female )	Non-rehabilitated Rehabilitated	0.120 0.116	0.064 0.096	6	0.116	-0.298	0.1094	0.044	-6.677	5	0.001
Body Weight (Female)	Non-rehabilitated Rehabilitated	1381 1360	811.4 808	6	1.000	20.833	7.523	3.071	6.783	5	0.001
Accumulative feed Cons (female)	Non-rehabilitated Rehabilitated	5.340 4.867	3.843 3.695	6	0.991	0.472	.5283	.2157	2.190	5	0.080
Mortality (Mal )	Non-rehabilitated Rehabilitated	0.171 0.418	0.1924 0.2126	6	0.832	-0.246	0.119	0.0486	-5.073	5	0.004
Culls (Mal )	Non-rehabilitated Rehabilitated	0.160 0.396	0.090 0.147	6	0.783	-0.236	0.0948	0.0387	-6.115	5	0.002
Body Weight (Mall)	Non-rehabilitated Rehabilitated	1971 1913	1134 1129	6	1.000	57.50	35.30	14.41	3.989	5	0.010
Accumulative feed Cons (Mal)	Non-rehabilitated Rehabilitated	6.738 6.171	4.530 4.409	6	0.998	0.566	0.294	0.120	4.715	5	0.005

**Appendices (II) : T- Test for Paired Samples – Variable Egg Production (H.D)**

Period	Treatment	Mean	S.D	No of Pairs	Corr	Paired Difference			T. Value	d.f.	Sig. (2 tailed)
						Mean	SD	SE of Mean			
(1)	Non-rehabilitated Rehabilitated	43.1 54.0	1.438 2.197	4	0.200	-10.900	2.373	1.186	-9.185	3	0.003
(2)	Non-rehabilitated Rehabilitated	78.7 80.8	2.632 0.369	4	0.444	-2.025	2.490	1.245	-1.626	3	0.202
(3)	Non-rehabilitated Rehabilitated	76.6 78.9	1.927 0.355	4	0.549	-2.300	1.756	0.878	-2.618	3	0.079
(4)	Non-rehabilitated Rehabilitated	74.8 76.8	1.669 0.125	4	0.587	-1.975	1.746	0.873	-2.262	3	0.109
(5)	Non-rehabilitated Rehabilitated	72.3 75.4	1.515 0.828	4	0.900	-3.150	0.850	0.425	-7.407	3	0.005
(6)	Non-rehabilitated Rehabilitated	67.3 70.1	1.500 1.487	4	0.090	-2.850	2.015	1.007	-2.828	3	0.066
(7)	Non-rehabilitated Rehabilitated	63.8 66.4	2.007 1.678	4	0.826	-2.675	1.132	0.566	-4.724	3	0.018
(8)	Non-rehabilitated Rehabilitated	60.4 62.8	1.715 1.737	4	0.890	-2.375	0.809	0.404	-5.865	3	0.010
(9)	Non-rehabilitated Rehabilitated	53.8 56.8	2.664 2.692	4	0.926	-3.025	1.030	0.515	-5.869	3	0.010
(10)	Non-rehabilitated Rehabilitated	45.9 49.8	2.858 1.438	4	0.899	-3.875	1.687	0.843	-4.591	3	0.019

### Appendices (III) : T- Test for Paired Samples – Variable Mortality in Production

Period	Treatment	Mean	S.D	No of Pairs	Corr	Paired Difference			T. Value	d.f.	Sig. (2 tailed)
						Mean	SD	SE of Mean			
(1)	Non-rehabilitated Rehabilitated	0.70 0.25	0.282 0.057	4	0.816	0.450	0.238	0.119	3.781	3	0.032
(2)	Non-rehabilitated Rehabilitated	0.87 0.45	0.221 0.129	4	-0.058	0.425	0.263	0.131	3.232	3	0.048
(3)	Non-rehabilitated Rehabilitated	0.62 0.42	0.050 0.050	4	-0.333	0.200	0.081	0.040	4.899	3	0.016
(4)	Non-rehabilitated Rehabilitated	0.55 0.35	0.057 0.129	4	0.000	0.200	0.141	0.070	2.828	3	0.066
(5)	Non-rehabilitated Rehabilitated	0.55 0.37	0.057 0.050	4	-0.577	0.175	0.095	0.047	3.656	3	0.035
(6)	Non-rehabilitated Rehabilitated	0.55 0.37	0.057 0.050	4	0.577	0.175	0.050	0.025	7.000	3	0.006
(7)	Non-rehabilitated Rehabilitated	0.57 0.37	0.050 0.095	4	0.522	0.200	0.081	0.040	4.899	3	0.016
(8)	Non-rehabilitated Rehabilitated	0.55 0.37	0.057 0.050	4	0.577	0.175	0.050	0.025	7.000	3	0.006
(9)	Non-rehabilitated Rehabilitated	0.47 0.30	0.095 0.081	4	0.426	0.175	0.095	0.047	3.656	3	0.035
(10)	Non-rehabilitated Rehabilitated	0.50 0.25	0.081 0.057	4	0.000	0.250	0.100	0.050	5.000	3	0.015

**Appendices (IV) : T- Test for Paired Samples – Variable 2Class Egg**

Period	Treatment	Mean	S.D	No of Pairs	Corr	Paired Difference			T. Value	d.f.	Sig. (2 tailed)
						Mean	SD	SE of Mean			
(1)	Non-rehabilitated Rehabilitated	28.7 14.8	1.431 1.037	4	-0.961	13.900	2.445	1.222	11.368	3	0.001
(2)	Non-rehabilitated Rehabilitated	16.5 10.1	0.858 0.758	4	-0.878	6.325	1.567	0.783	8.072	3	0.004
(3)	Non-rehabilitated Rehabilitated	9.3 7.8	0.411 0.244	4	-0.794	1.475	0.623	0.311	4.729	3	0.018
(4)	Non-rehabilitated Rehabilitated	7.1 6.4	0.411 0.359	4	-0.344	0.700	0.632	0.316	2.214	3	0.114
(5)	Non-rehabilitated Rehabilitated	6.5 5.2	0.263 0.378	4	0.352	1.225	0.377	0.188	6.490	3	0.007
(6)	Non-rehabilitated Rehabilitated	5.9 5.3	0.189 0.264	4	0.366	0.625	0.263	0.131	4.753	3	0.018
(7)	Non-rehabilitated Rehabilitated	5.8 4.7	0.129 0.537	4	0.744	1.125	0.450	0.225	5.000	3	0.015
(8)	Non-rehabilitated Rehabilitated	6.1 5.4	0.125 0.479	4	0.690	0.725	0.403	0.201	3.597	3	0.037
(9)	Non-rehabilitated Rehabilitated	7.4 5.7	0.519 0.411	4	-0.304	1.675	0.754	0.377	4.440	3	0.021
(10)	Non-rehabilitated Rehabilitated	10.0 7.5	0.512 0.518	4	-0.567	2.500	0.912	0.456	5.477	3	0.012

**Appendices (V) : T- Test for Paired Samples – Variable Egg Weight**

Period	Treatment	Mean	S.D	No of Pairs	Corr	Paired Difference			T. Value	d.f.	Sig. (2 tailed)
						Mean	SD	SE of Mean			
(1)	Non-rehabilitated Rehabilitated	49.67 50.77	0.518 0.684	4	0.879	-1.100	0.336	0.168	-6.535	3	0.007
(2)	Non-rehabilitated Rehabilitated	53.72 56.05	0.801 0.645	4	0.512	-2.325	0.727	0.363	-6.392	3	0.008
(3)	Non-rehabilitated Rehabilitated	56.95 59.20	0.369 0.469	4	0.000	-2.250	0.597	0.298	-7.535	3	0.005
(4)	Non-rehabilitated Rehabilitated	59.40 61.50	0.432 0.632	4	0.439	-2.100	0.588	0.294	-7.133	3	0.006
(5)	Non-rehabilitated Rehabilitated	61.42 64.10	0.550 0.648	4	-0.159	-2.675	0.914	0.457	-5.852	3	0.010
(6)	Non-rehabilitated Rehabilitated	63.22 64.97	0.655 0.170	4	0.722	-1.750	0.544	0.272	-6.426	3	0.008
(7)	Non-rehabilitated Rehabilitated	65.42 66.70	0.340 0.163	4	0.000	-1.275	0.377	0.188	-6.755	3	0.007
(8)	Non-rehabilitated Rehabilitated	66.57 67.07	0.095 0.250	4	0.522	-0.500	0.216	0.108	-4.629	3	0.019
(9)	Non-rehabilitated Rehabilitated	65.52 67.82	0.221 0.377	4	-0.727	-2.300	0.559	0.279	-8.218	3	0.004
(10)	Non-rehabilitated Rehabilitated	67.77 68.40	0.236 0.244	4	0.806	-0.625	0.150	0.075	-8.333	3	0.004

### Appendices (VI) : T- Test for Paired Samples – Variable Feed Consumption

Period	Treatment	Mean	S.D	No of Pairs	Corr	Paired Difference			T. Value	d.f.	Sig. (2 tailed)
						Mean	SD	SE of Mean			
(1)	Non-rehabilitated Rehabilitated	3812 4022	108.6 83.85	4	0.006	-210.00	136.91	68.45	-3.068	3	0.055
(2)	Non-rehabilitated Rehabilitated	4108 4273	162.3 49.18	4	-0.203	-164.75	178.914	89.45	-1.842	3	0.163
(3)	Non-rehabilitated Rehabilitated	4146 4144	185.4 27.33	4	0.209	2.50	181.68	90.84	0.028	3	0.980
(4)	Non-rehabilitated Rehabilitated	3733 3866	172.6 49.04	4	0.408	-132.7	159.1	79.56	-1.668	3	0.194
(5)	Non-rehabilitated Rehabilitated	3622 3783	175.0 38.88	4	0.994	-161.00	136.49	68.24	-2.359	3	0.099
(6)	Non-rehabilitated Rehabilitated	3450 3595	170.4 81.24	4	0.790	-145.50	117.39	58.69	-2.479	3	0.089
(7)	Non-rehabilitated Rehabilitated	3295 3504	168.0 58.71	4	-0.351	-209.2	196.47	98.23	-2.130	3	0.123
(8)	Non-rehabilitated Rehabilitated	3206 3313	167.3 79.66	4	0.837	-106.75	109.76	54.88	-1.945	3	0.147
(9)	Non-rehabilitated Rehabilitated	3046 3190	163.1 90.63	4	0.963	-144.00	79.783	39.89	-3.610	3	0.037
(10)	Non-rehabilitated Rehabilitated	2972 3059	163.5 93.56	4	0.984	-87.50	73.383	36.69	-2.385	3	0.097

### Appendices (VII) : T- Test for Paired Samples – Variable Fertility

Period	Treatment	Mean	S.D	No of Pairs	Corr	Paired Difference			T. Value	d.f.	Sig. (2 tailed)
						Mean	SD	SE of Mean			
(1)	Non-rehabilitated Rehabilitated	87.37 89.20	0.861 0.848	4	0.000	-1.825	1.209	0.604	-3.018	3	0.057
(2)	Non-rehabilitated Rehabilitated	91.55 93.12	0.450 0.275	4	0.604	-1.575	0.359	0.179	-8.765	3	0.003
(3)	Non-rehabilitated Rehabilitated	91.10 92.30	0.294 0.416	4	-0.326	-1.200	0.583	0.291	-4.116	3	0.026
(4)	Non-rehabilitated Rehabilitated	90.97 91.92	0.221 0.660	4	0.803	-0.950	0.500	0.250	-3.800	3	0.032
(5)	Non-rehabilitated Rehabilitated	87.25 89.20	0.208 0.529	4	-0.484	-1.950	0.655	0.327	-5.947	3	0.010
(6)	Non-rehabilitated Rehabilitated	82.45 85.00	0.580 0.848	4	-0.284	-2.550	1.156	0.578	-4.411	3	0.022
(7)	Non-rehabilitated Rehabilitated	75.02 78.37	2.320 0.464	4	0.449	-3.350	2.151	1.075	-3.114	3	0.053
(8)	Non-rehabilitated Rehabilitated	72.52 75.27	1.250 0.309	4	-0.825	-2.750	1.515	0.757	-3.629	3	0.036
(9)	Non-rehabilitated Rehabilitated	68.10 71.27	1.110 0.607	4	-0.114	-3.175	1.325	0.662	-4.792	3	0.017
(10)	Non-rehabilitated Rehabilitated	63.30 69.30	1.976 1.023	4	0.992	-6.000	0.969	0.484	-12.377	3	0.001

**Appendices (viii) : T- Test for Paired Samples – Variable inside temperature in rehabilitated and non-rehabilitated houses**

Period	Treatment	Mean	S.D	No of Pairs	Corr	Paired Difference			T. Value	d.f.	Sig. (2 tailed)
						Mean	SD	SE of Mean			
(1)	Non-rehabilitated Rehabilitated	30.750 28.750	.9574 .5000	4	-.174	2.0000	1.154	.57735	3.464	3	0.041
(2)	Non-rehabilitated Rehabilitated	29.500 26.000	1.290 .8165	4	.316	3.5000	1.290	.62550	5.422	3	0.012
(3)	Non-rehabilitated Rehabilitated	29.250 24.000	.5000 .8165	4	-.816	5.250	1.258	.62915	8.345	3	0.004
(4)	Non-rehabilitated Rehabilitated	30.000 23.750	.8165 .5000	4	.000	6.250	.9574	.47871	13.056	3	0.001
(5)	Non-rehabilitated Rehabilitated	30.500 26.250	1.290 .5000	4	.775	4.250	.9574	.47871	8.878	3	0.003
(6)	Non-rehabilitated Rehabilitated	31.000 26.250	.8165 .9574	4	-.426	4.750	1.500	.75000	6.333	3	0.008
(7)	Non-rehabilitated Rehabilitated	30.250 27.000	.5000 .8165	4	.000	3.250	.9574	.47871	6.789	3	0.035
(8)	Non-rehabilitated Rehabilitated	31.000 28.250	.8165 .9574	4	-.426	2.7500	1.500	.750000	3.667	3	0.010
(9)	Non-rehabilitated Rehabilitated	30.250 27.000	.5000 .8165	4	.000	3.250	.9574	.47871	6.789	3	0.007
(10)	Non-rehabilitated Rehabilitated	28.250 26.000	.5000 .8165	4	.000	2.250	.9574	.47871	4.700	3	0.018



