



MEZINÁRODNÍ TESTOVÁNÍ DRŮBEŽE
státní podnik, ÚSTRAŠICE

390 02 Tábor 2

Tel.: 381 200 320

**3rd part fattening test
from the LIII. international parent test**

2. 4. 2025 - 11. 5. 2025

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Ing. Markéta Krekulová

Ústrašice, June 2025

1 List of participants

Sample	Cross	Breeding organization	State
1	XXXXXX	XXXXXX	XXXXXX
2	XXXXXX	XXXXXX	XXXXXX
3	XXXXXX	XXXXXX	XXXXXX
4	XXXXXX	XXXXXX	XXXXXX
5	XXXXXX	XXXXXX	XXXXXX
6	XXXXXX	XXXXXX	XXXXXX
7	XXXXXX	XXXXXX	XXXXXX
8	XXXXXX	XXXXXX	XXXXXX
9	XXXXXX	XXXXXX	XXXXXX
10	XXXXXX	XXXXXX	XXXXXX
11	XXXXXX	XXXXXX	XXXXXX
12	XXXXXX	XXXXXX	XXXXXX

2 Basic tests information

2.1 The basic dates

setting in the hatchery:	11 March 2025
beginning of test:	2 April 2025
end of the test:	11 May 2025

2.2 Location of the test

Mezinárodní testování drůbeže, s.p. Ústrašice, Czech Republic

3 Material and methods

3.1 Material

There were 12 different breeds in this test. Each sample consisted of 900 hatching eggs. 520 broilers were sexed and placed always 260 females (in two pens) and 260 males (in two pens).

The parent flock is 51 weeks old at the time of hatching eggs collection.

3.2 Housing system

Pullets were kept in windowless house with full control of the environment. They were kept in deep litter system. Manually filled tube feeders and nipple automatic drinkers were used.

3.3 Lighting programme

Pullets were kept in windowless house. All the birds were submitted to the following lighting programme.

Age	Hours of light	Hours of darkness
Day 1 – 7	23	1
Day 8 – 36	18	6
Day 37 – 39	23	1

3.4 Stocking density

16 broilers per square meter

3.5 Feeding

Feed was produced in xxxxx

Day 1 – 10 Starter (BR1)

Day 11 – 21 Grower (BR2-A)

Day 22 – 28 Grower (BR2-B)

Day 29 – 39 Finisher (BR3)

Diet formulas

	Starter BR1	Grower BR2-A	Grower BR2-B	Finisher BR3
Age	Days 1 - 10	Days 11 - 21	Day 22 - 28	Day 29 - 32
Components (%)				
Wheat	41.95	50.55	52.46	57.88
Maize	15.00	13.00	13.00	10.00
Soybean extr.	32.60	30.95	28.90	26.65
Soybean extr. groats	3.00	-	-	-
Fish meal	1.50	-	-	-
MCP – monocalciumphosphate	0.87	0.35	0.27	0.18
Calcium carbonate	1.15	1.08	0.99	0.98
Salt	0.21	0.23	0.23	0.23
Soybean oil	1.86	1.58	1.20	1.00
Animal fat	-	0.50	1.28	1.72
Sodium sulfate	0.11	0.12	0.12	0.11
Cholinchlorid	0.04	0.04	0.03	0.03
Premixes of amino acid	0.84	0.88	0.80	0.80
Vitamin and mineral supplement	0.88	0.73	0.73	0.43
Nutrient content				
Crude protein (g/kg)	225.35	204.27	196.71	189.70
Fat (g/kg)	43.17	38.47	42.37	44.04
Lysine dig. (g/kg)	12.79	11.71	11.10	10.66
Methionine dig. (g/kg)	6.39	5.68	5.43	5.16
Ca phyt. (g/kg)	9.41	7.80	7.30	6.99
P dig. (g/kg)	5.10	3.78	3.58	3.37
Vitamin A (IU/kg)	15000	10000	10000	10000
Vitamin D3 (IU/kg)	5000	5000	5000	5000
ME (MJ/kg)	12.03	12.16	12.34	12.51

3.6 Veterinary precautions

The chicken house was disinfected by xxxxx before the chick placement. On the first days old chickens was applied to the water solution of permanganate. On days 1 and 12 chickens were vaccinated with xxxxx.

4 Parameters recorded

4.1 Live weight

Live weight was measured on days 1 (all the birds in each pen were weighed altogether), 7 and 14 (20 % of the birds were weighed altogether, without fasting). On day 32 and 39 birds were weighed individually, after 12 hours of fasting.

4.2 Feed conversion ratio (FCR)

Feed conversion ratio was calculated as feed consumption per 1 kg of live weight for the periods 1 – 14 days and 1 – 32 days and 1 – 39 days.

4.3 Mortality

All pens were checked three times a day to see if there were any dead or ill birds. Dead chickens were registered by date and reason of mortality on the day of death.

4.4 Carcass analysis

The carcass analysis was done on 20 cocks and 20 hens per each genotype on day 39. Breast muscles was weighed without skin and thigh muscles with bone and skin.

4.5 Statistical analyses

Performance results of live weight at the age of 32 and 39 days were statistically evaluated.

5 Results

Tab. No.	1	Hatchability
	2a	Broiler results at the age of 7 days
	2b	Broiler results at the age of 14 days
	2c	Broiler results at the age of 32 days
	2d	Broiler results at the age of 39 days
	3a	Mortality during growing period at the age of 14 days
	3b	Mortality during growing period at the age of 32 days
	3b	Mortality during growing period at the age of 39 days
	4	Results of carcass analysis
	5a	Statistical analysis at the age of 32 days – cocks
	5b	Statistical analysis at the age of 32 days – hens
	6a	Statistical analysis at the age of 39 days – cocks
	6b	Statistical analysis at the age of 39 days – hens

Hatchability**Tab. No. 1**

Test: 53

Part fattening: 3

Cross	Sample	Fertility	Hatchability		Birds housed	Average weight		
			Set	Fert.		hatch. eggs	1-day	
		%	%	%		g	♂ g	♀ g
XXXXXX	1	93.00	78.33	84.23	520	70.90	45.96	46.19
XXXXXX	2	97.67	85.11	87.14	520	68.98	47.19	47.27
XXXXXX	3	96.78	84.89	87.72	520	69.59	46.85	47.27
XXXXXX	4	91.44	78.89	86.27	520	68.94	43.58	43.50
XXXXXX	5	94.89	83.89	88.41	520	68.32	45.23	45.00
XXXXXX	6	92.00	81.22	88.29	520	69.60	46.08	45.65
XXXXXX	7	90.11	76.78	85.20	520	70.87	47.81	47.00
XXXXXX	8	94.33	83.11	88.10	520	69.38	43.42	43.23
XXXXXX	9	93.89	81.56	86.86	520	69.51	46.46	45.96
XXXXXX	10	92.67	82.33	88.85	520	70.99	46.58	46.73
XXXXXX	11	96.22	85.33	88.68	520	69.87	44.19	44.28
XXXXXX	12	96.22	87.11	90.53	520	69.33	45.73	46.08

This is the true fertility (broken eggs) not the candling fertility.

Broiler results at the age of 7 days

Tab. No. 2a

Test: 53

Part fattening: 3

Cross	Sample	Average live weight at 7 days								
		male			female			average		
		mortality		live weight	mortality		live weight	mortality		live weight
		birds	%	g	birds	%	g	birds	%	g
XXXXXX	1	0	0.00	205.00	1	0.38	202.50	1	0.19	203.75
XXXXXX	2	0	0.00	203.33	1	0.38	199.17	1	0.19	201.25
XXXXXX	3	0	0.00	203.33	4	1.54	199.17	4	0.77	201.27
XXXXXX	4	0	0.00	200.83	0	0.00	200.83	0	0.00	200.83
XXXXXX	5	0	0.00	203.33	0	0.00	199.17	0	0.00	201.25
XXXXXX	6	0	0.00	209.17	0	0.00	200.83	0	0.00	205.00
XXXXXX	7	0	0.00	206.67	1	0.38	200.00	1	0.19	203.34
XXXXXX	8	0	0.00	205.00	2	0.77	200.00	2	0.38	202.51
XXXXXX	9	0	0.00	204.17	2	0.77	199.17	2	0.38	201.68
XXXXXX	10	0	0.00	208.33	1	0.38	203.33	1	0.19	205.84
XXXXXX	11	0	0.00	202.50	0	0.00	196.67	0	0.00	199.58
XXXXXX	12	0	0.00	205.83	0	0.00	200.00	0	0.00	202.92

Broiler results at the age of 14 days

Tab. No. 2b

Test: 53

Part fattening: 3

Cross	Sample	Average live weight at 14 days								
		male			female			average		
		birds	live weight	FCR	birds	live weight	FCR	birds	live weight	FCR
			g	g		g	g		g	g
xxxxxx	1	258	613.33	963.73	257	545.83	1045.77	515	579.65	1002.28
xxxxxx	2	257	631.67	912.29	257	558.33	1035.60	514	595.00	970.15
xxxxxx	3	260	635.00	917.63	255	573.33	1010.94	515	604.47	961.45
xxxxxx	4	255	610.00	951.46	257	539.17	1095.51	512	574.44	1019.33
xxxxxx	5	259	625.00	926.02	256	556.67	1000.65	515	591.03	960.96
xxxxxx	6	257	606.67	972.34	256	566.67	1032.63	513	586.71	1001.40
xxxxxx	7	259	645.00	935.02	259	573.33	1016.21	518	609.17	973.23
xxxxxx	8	257	606.67	944.11	251	556.67	1061.38	508	581.96	999.54
xxxxxx	9	258	634.17	918.01	256	568.33	1041.97	514	601.38	976.36
xxxxxx	10	257	640.83	973.93	257	574.17	1023.31	514	607.50	997.26
xxxxxx	11	258	610.00	978.52	256	545.00	1063.65	514	577.63	1018.52
xxxxxx	12	259	640.00	934.48	260	571.67	1003.81	519	605.77	967.26

Broiler results at the age of 32 days

Tab. No. 2c

Test: 53

Part fattening: 3

Cross	Sample	Average live weight at 32 days								
		male			female			average		
		birds	live weight	FCR	birds	live weight	FCR	birds	live weight	FCR
			g	g		g	g		g	g
xxxxxx	1	243	2441.73	1452.29	254	2090.43	1460.53	497	2262.19	1456.18
xxxxxx	2	250	2362.72	1422.94	257	2026.15	1488.71	507	2192.11	1453.75
xxxxxx	3	255	2403.10	1420.06	255	2032.24	1445.33	510	2217.67	1431.64
xxxxxx	4	249	2378.07	1438.51	253	2141.38	1451.91	502	2258.78	1444.91
xxxxxx	5	255	2442.31	1406.89	255	2117.29	1418.01	510	2279.80	1412.06
xxxxxx	6	248	2411.29	1466.05	253	2170.59	1450.03	501	2289.74	1458.38
xxxxxx	7	258	2432.87	1417.76	257	2188.37	1457.30	515	2310.85	1436.45
xxxxxx	8	255	2356.00	1440.46	245	2215.92	1453.31	500	2287.36	1446.56
xxxxxx	9	254	2384.65	1445.10	253	2126.52	1412.80	507	2255.84	1429.91
xxxxxx	10	245	2503.76	1451.53	255	2189.92	1441.90	500	2343.70	1446.94
xxxxxx	11	252	2439.44	1416.05	254	2144.29	1460.02	506	2291.28	1436.70
xxxxxx	12	254	2535.24	1381.63	258	2145.27	1436.00	512	2338.73	1406.76

Broiler results at the age of 39 days

Tab. No. 2d

Test: 53

Part fattening: 3

Cross	Sample	Average live weight at 39 days								
		male			female			average		
		birds	live weight	FCR	birds	live weight	FCR	birds	live weight	FCR
			g	g		g	g		g	g
xxxxxx	1	121	3184.88	1575.63	125	2623.76	1657.16	246	2899.76	1613.12
xxxxxx	2	127	2956.38	1597.51	129	2732.25	1603.59	256	2843.44	1600.45
xxxxxx	3	125	3129.12	1572.07	130	2571.62	1612.58	255	2844.90	1590.74
xxxxxx	4	125	3160.56	1534.92	124	2707.10	1644.13	249	2934.74	1585.08
xxxxxx	5	128	3101.48	1540.34	125	2652.00	1622.32	253	2879.41	1577.65
xxxxxx	6	124	3233.95	1541.11	127	2757.01	1600.50	251	2992.63	1568.79
xxxxxx	7	126	3169.37	1516.50	128	2877.97	1601.34	254	3022.52	1557.21
xxxxxx	8	125	3045.60	1594.96	120	2723.50	1688.09	245	2887.84	1637.97
xxxxxx	9	126	3191.27	1529.22	127	2640.94	1600.48	253	2915.02	1561.63
xxxxxx	10	121	3173.64	1580.17	129	2855.74	1551.62	250	3009.60	1566.19
xxxxxx	11	125	3138.80	1561.11	126	2829.44	1580.32	251	2983.51	1570.25
xxxxxx	12	125	3211.76	1554.79	128	2788.67	1585.10	253	2997.71	1569.05

Mortality in the age 14 days

Tab. No. 3a

Test: 53

Part fattening: 3

Cross	Sample	Mortality in the period						Mortality according causes													
		male		female		total		1	2	3	4	5	6	7	8	9	10	11	12	13	14
		birds	%	birds	%	birds	%														
XXXXXX	1	2	0.77	3	1.15	5	0.96										1	4			
XXXXXX	2	3	1.15	3	1.15	6	1.15					2						4			
XXXXXX	3	0	0.00	5	1.92	5	0.96					4						1			
XXXXXX	4	5	1.92	3	1.15	8	1.54					2						4			2
XXXXXX	5	1	0.38	4	1.54	5	0.96											3			2
XXXXXX	6	3	1.15	4	1.54	7	1.35					1						5			1
XXXXXX	7	1	0.38	1	0.38	2	0.38					1						1			
XXXXXX	8	3	1.15	9	3.46	12	2.31					5						7			
XXXXXX	9	2	0.77	4	1.54	6	1.15											6			
XXXXXX	10	3	1.15	3	1.15	6	1.15					1						5			
XXXXXX	11	2	0.77	4	1.54	6	1.15					2						4			
XXXXXX	12	1	0.38	0	0.00	1	0.19											1			

Causes: 1 – Viral diseases
 2 – Bacterial diseases
 3 – Moulds diseases
 4 – Parasitary diseases
 5 – Tumors

6 – Wounds
 7 – Digestive track diseases
 8 – Respiratory tract diseases
 9 – Reproduction tract diseases
 10 – Locomotion apparatus diseases

11 – Sudden death syndrome
 12 – Cannibalism
 13 – Yolk sac. infam.
 14 – Culling and other causes

Mortality during the masts in 32 days

Tab. No. 3b

Test: 53

Part fattening: 3

Cross	Sample	Mortality in the period						Mortality according causes													
		1 - 14		15 - 32		1 - 32		1	2	3	4	5	6	7	8	9	10	11	12	13	14
		birds	%	birds	%	birds	%														
XXXXXX	1	5	0.96	18	3.46	23	4.42										3	19			1
XXXXXX	2	6	1.15	7	1.35	13	2.50					2						11			
XXXXXX	3	5	0.96	5	0.96	10	1.92					4					1	4			1
XXXXXX	4	8	1.54	10	1.92	18	3.46					2					1	13			2
XXXXXX	5	5	0.96	5	0.96	10	1.92					1						7			2
XXXXXX	6	7	1.35	12	2.31	19	3.65					2						16			1
XXXXXX	7	2	0.38	3	0.58	5	0.96					1						4			
XXXXXX	8	12	2.31	8	1.54	20	3.85					5						13			2
XXXXXX	9	6	1.15	7	1.35	13	2.50					1						12			
XXXXXX	10	6	1.15	14	2.69	20	3.85					1						17			2
XXXXXX	11	6	1.15	8	1.54	14	2.69					3					2	9			
XXXXXX	12	1	0.19	7	1.35	8	1.54										1	7			

Causes: 1 – Viral diseases
2 – Bacterial diseases
3 – Moulds diseases
4 – Parasitary diseases
5 – Tumors

6 – Wounds
7 – Digestive track diseases
8 – Respiratory tract diseases
9 – Reproduction tract diseases
10 – Locomotion apparatus diseases

11 – Sudden death syndrome
12 – Cannibalism
13 – Yolk sac. infam.
14 – Culling and other causes

Mortality during the masts in 39 days

Tab. No. 3c

Test: 53

Part fattening: 3

Cross	Sample	Mortality in the period						Mortality according causes													
		1 - 14		15 - 39		1 - 39		1	2	3	4	5	6	7	8	9	10	11	12	13	14
		birds	%	birds	%	birds	%														
XXXXXX	1	5	0.96	20	3.85	25	4.81										3	21			1
XXXXXX	2	6	1.15	7	1.35	13	2.50					2						11			
XXXXXX	3	5	0.96	7	1.35	12	2.31					4					1	6			1
XXXXXX	4	8	1.54	10	1.92	18	3.46					2					1	13			2
XXXXXX	5	5	0.96	6	1.15	11	2.12					1						8			2
XXXXXX	6	7	1.35	12	2.31	19	3.65					2						16			1
XXXXXX	7	2	0.38	5	0.96	7	1.35					1						6			
XXXXXX	8	12	2.31	12	2.31	24	4.62					5						17			2
XXXXXX	9	6	1.15	8	1.54	14	2.69					1						13			
XXXXXX	10	6	1.15	15	2.88	21	4.04					1						18			2
XXXXXX	11	6	1.15	12	2.31	18	3.46					3					2	13			
XXXXXX	12	1	0.19	8	1.54	9	1.73										1	8			

Causes: 1 – Viral diseases
 2 – Bacterial diseases
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Results of carcass analysis in 39 days
Tab. No. 4 (page 1)

Test: 53

Part fattening: 3

Cross	Sample	Sex	Weight				Ratio of abd. fat to live weight	Breast meat without skin			Thigh meat with bone and skin			Breast meat and thighs			Carcass	
			Total	Body	Gibl.	Abd. fat		weight	percentage		weight	percentage		weight	percentage		value	quality
									total weight	body carcass		total weight	body carcass		total weight	body carcass		
g	g	g	g	%	g	%	%	g	%	%	g	%	%	%	%			
xxxxxx	1	♂	3223	2327	200	40	1.24	843	26.16	36.23	688	21.34	29.55	1531	47.50	65.78	72.21	78.42
		♀	2546	1852	159	40	1.56	641	25.16	34.59	555	21.80	29.97	1196	46.96	64.56	72.74	79.00
		♂	2884	2089	180	40	1.38	742	25.72	35.50	621	21.54	29.74	1363	47.26	65.24	72.44	78.67
xxxxxx	2	♂	3156	2288	195	40	1.27	782	24.79	34.20	700	22.18	30.60	1482	46.96	64.79	72.48	78.66
		♀	2843	2057	168	44	1.56	715	25.15	34.76	626	22.00	30.42	1341	47.15	65.17	72.35	78.25
		♂	3000	2172	181	42	1.41	749	24.96	34.46	663	22.10	30.51	1411	47.05	64.97	72.42	78.46
xxxxxx	3	♂	3276	2410	192	44	1.33	843	25.74	34.98	723	22.07	29.99	1566	47.80	64.97	73.57	79.44
		♀	2565	1820	154	40	1.56	636	24.81	34.97	550	21.42	30.20	1186	46.23	65.17	70.94	76.95
		♂	2920	2115	173	42	1.43	740	25.33	34.98	636	21.78	30.08	1376	47.11	65.06	72.42	78.34
xxxxxx	4	♂	3196	2351	181	35	1.09	846	26.48	35.98	696	21.78	29.60	1542	48.26	65.59	73.59	79.23
		♀	2803	2028	164	39	1.38	741	26.43	36.53	586	20.91	28.90	1327	47.33	65.44	72.33	78.18
		♂	2999	2189	172	37	1.23	793	26.45	36.24	641	21.37	29.28	1434	47.83	65.52	73.00	78.74
xxxxxx	5	♂	3140	2291	185	37	1.16	807	25.71	35.24	704	22.41	30.72	1511	48.13	65.96	72.97	78.87
		♀	2662	1946	159	41	1.52	683	25.67	35.11	591	22.21	30.38	1275	47.89	65.50	73.11	79.09
		♂	2901	2119	172	39	1.33	745	25.69	35.18	648	22.32	30.56	1393	48.02	65.75	73.03	78.97
xxxxxx	6	♂	3264	2365	189	37	1.13	827	25.32	34.94	726	22.24	30.69	1553	47.56	65.64	72.47	78.26
		♀	2713	1988	152	42	1.56	711	26.21	35.76	588	21.68	29.58	1299	47.89	65.34	73.29	78.88
		♂	2989	2177	170	40	1.33	769	25.73	35.32	657	21.99	30.18	1426	47.71	65.50	72.84	78.54

Results of carcass analysis in 39 days
Tab. No. 4 (page 2)

Test: 53

Part fattening: 3

Cross	Sample	Sex	Weight				Ratio of abd. fat to live weight	Breast meat without skin			Thigh meat with bone and skin			Breast meat and thighs			Carcass	
			Total	Body	Gibl.	Abd. fat		weight	percentage		weight	percentage		weight	percentage		value	quality
									total weight	body carcass		total weight	body carcass					
g	g	g	g	%	g	%	%	g	%	%	g	%	%	%	%			
xxxxxx	7	♂	3327	2417	200	37	1.12	841	25.28	34.80	752	22.60	31.11	1593	47.89	65.92	72.65	78.66
		♀	2932	2156	170	47	1.62	757	25.81	35.10	647	22.07	30.01	1404	47.88	65.11	73.54	79.33
		♂	3129	2286	185	42	1.35	799	25.53	34.94	699	22.35	30.59	1498	47.88	65.53	73.06	78.97
xxxxxx	8	♂	3057	2229	187	44	1.44	764	25.00	34.29	680	22.23	30.49	1444	47.23	64.78	72.91	79.04
		♀	2717	1935	169	49	1.80	641	23.61	33.15	586	21.57	30.29	1227	45.17	63.44	71.21	77.44
		♂	2887	2082	178	46	1.61	703	24.34	33.76	633	21.92	30.40	1336	46.26	64.16	72.11	78.29
xxxxxx	9	♂	3220	2358	186	39	1.21	836	25.97	35.46	718	22.29	30.44	1554	48.26	65.89	73.24	79.00
		♀	2637	1914	159	45	1.71	675	25.59	35.26	584	22.15	30.51	1259	47.74	65.76	72.59	78.61
		♂	2928	2136	172	42	1.44	756	25.80	35.37	651	22.23	30.47	1406	48.03	65.84	72.95	78.83
xxxxxx	10	♂	3329	2423	196	42	1.25	841	25.27	34.72	744	22.36	30.71	1585	47.63	65.43	72.79	78.66
		♀	2968	2191	168	48	1.62	773	26.05	35.28	662	22.29	30.19	1435	48.34	65.47	73.84	79.50
		♂	3148	2307	182	45	1.42	807	25.64	34.99	703	22.33	30.46	1510	47.96	65.45	73.28	79.06
xxxxxx	11	♂	3162	2289	188	49	1.54	761	24.08	33.26	689	21.79	30.11	1450	45.87	63.37	72.39	78.33
		♀	2857	2085	169	50	1.76	727	25.43	34.85	609	21.32	29.22	1336	46.76	64.07	72.97	78.89
		♂	3010	2187	178	50	1.65	744	24.72	34.02	649	21.57	29.68	1393	46.29	63.70	72.66	78.59
xxxxxx	12	♂	3236	2350	196	37	1.13	804	24.86	34.22	749	23.15	31.87	1553	48.00	66.10	72.63	78.69
		♀	2844	2075	157	43	1.52	732	25.75	35.30	624	21.93	30.05	1356	47.68	65.35	72.96	78.48
		♂	3040	2212	177	40	1.31	768	25.28	34.73	686	22.58	31.02	1455	47.85	65.75	72.78	78.59

Statistical analysis - Cocks on the age of 32 days

Tab. No. 5a

Test: 53

Part fattening: 3

Cross	Sample	Sample size	Average	Standard deviation	Coefficient of variation	Standard error of mean	Precision select. average	Standard error of coeff. of variation
			g/birds	g/birds	%	g/birds	%	%
xxxxxx	1	243	2441.73	211.94	8.68	13.60	0.56	0.40
xxxxxx	2	250	2362.72	212.83	9.01	13.46	0.57	0.41
xxxxxx	3	255	2403.10	240.57	10.01	15.06	0.63	0.45
xxxxxx	4	249	2378.07	240.00	10.09	15.21	0.64	0.46
xxxxxx	5	255	2442.31	264.65	10.84	16.57	0.68	0.49
xxxxxx	6	248	2411.29	253.83	10.53	16.12	0.67	0.48
xxxxxx	7	258	2432.87	212.07	8.72	13.20	0.54	0.39
xxxxxx	8	255	2356.00	201.74	8.56	12.63	0.54	0.38
xxxxxx	9	254	2384.65	190.22	7.98	11.94	0.50	0.36
xxxxxx	10	245	2503.76	179.77	7.18	11.49	0.46	0.33
xxxxxx	11	252	2439.44	217.24	8.91	13.68	0.56	0.40
xxxxxx	12	254	2535.24	188.20	7.42	11.81	0.47	0.33

Statistical analysis - Hens on the age of 32 days

Tab. No. 5b

Test: 53

Part fattening: 3

Cross	Sample	Sample size	Average	Standard deviation	Coefficient of variation	Standard error of mean	Precision select. average	Standard error of coeff. of variation
			g/birds	g/birds	%	g/birds	%	%
xxxxxx	1	254	2090.43	233.57	11.17	14.66	0.70	0.50
xxxxxx	2	257	2026.15	207.67	10.25	12.95	0.64	0.46
xxxxxx	3	255	2032.24	237.72	11.70	14.89	0.73	0.53
xxxxxx	4	253	2141.38	242.84	11.34	15.27	0.71	0.51
xxxxxx	5	255	2117.29	196.25	9.27	12.29	0.58	0.41
xxxxxx	6	253	2170.59	219.37	10.11	13.79	0.64	0.45
xxxxxx	7	257	2188.37	172.76	7.89	10.78	0.49	0.35
xxxxxx	8	245	2215.92	187.38	8.46	11.97	0.54	0.39
xxxxxx	9	253	2126.52	185.94	8.74	11.69	0.55	0.39
xxxxxx	10	255	2189.92	173.43	7.92	10.86	0.50	0.35
xxxxxx	11	254	2144.29	217.71	10.15	13.66	0.64	0.46
xxxxxx	12	258	2145.27	170.31	7.94	10.60	0.49	0.35

Statistical analysis - Cocks on the age of 39 days

Tab. No. 6a

Test: 53

Part fattening: 3

Cross	Sample	Sample size	Average	Standard deviation	Coefficient of variation	Standard error of mean	Precision select. average	Standard error of coeff. of variation
			g/birds	g/birds	%	g/birds	%	%
xxxxxx	1	121	3184.88	324.49	10.19	29.50	0.93	0.66
xxxxxx	2	127	2956.38	310.20	10.49	27.53	0.93	0.67
xxxxxx	3	125	3129.12	381.40	12.19	34.11	1.09	0.79
xxxxxx	4	125	3160.56	322.12	10.19	28.81	0.91	0.65
xxxxxx	5	128	3101.48	321.17	10.36	28.39	0.92	0.66
xxxxxx	6	124	3233.95	333.82	10.32	29.98	0.93	0.67
xxxxxx	7	126	3169.37	396.71	12.52	35.34	1.12	0.80
xxxxxx	8	125	3045.60	344.24	11.30	30.79	1.01	0.73
xxxxxx	9	126	3191.27	313.52	9.82	27.93	0.88	0.63
xxxxxx	10	121	3173.64	321.90	10.14	29.26	0.92	0.66
xxxxxx	11	125	3138.80	351.86	11.21	31.47	1.00	0.72
xxxxxx	12	125	3211.76	231.02	7.19	20.66	0.64	0.46

Statistical analysis - Hens on the age of 39 days

Tab. No. 6b

Test: 53

Part fattening: 3

Cross	Sample	Sample size	Average	Standard deviation	Coefficient of variation	Standard error of mean	Precision select. average	Standard error of coeff. of variation
			g/birds	g/birds	%	g/birds	%	%
xxxxxx	1	125	2623.76	253.77	9.67	22.70	0.87	0.62
xxxxxx	2	129	2732.25	212.74	7.79	18.73	0.69	0.49
xxxxxx	3	130	2571.62	226.65	8.81	19.88	0.77	0.55
xxxxxx	4	124	2707.10	262.72	9.71	23.59	0.87	0.62
xxxxxx	5	125	2652.00	225.09	8.49	20.13	0.76	0.54
xxxxxx	6	127	2757.01	314.57	11.41	27.91	1.01	0.73
xxxxxx	7	128	2877.97	227.11	7.89	20.07	0.70	0.50
xxxxxx	8	120	2723.50	269.46	9.89	24.60	0.90	0.65
xxxxxx	9	127	2640.94	275.36	10.43	24.43	0.93	0.66
xxxxxx	10	129	2855.74	255.39	8.94	22.49	0.79	0.56
xxxxxx	11	126	2829.44	357.09	12.62	31.81	1.12	0.81
xxxxxx	12	128	2788.67	272.55	9.77	24.09	0.86	0.62