MEZINÁRODNÍ TESTOVÁNÍ DRŮBEŽE
státní podnik, ÚSTRAŠICE

390 02 Tábor 2 Tel.: 381 200 320

3rd part fattening test of the final product of L. international test of parents from of broilers

31. 3. 2022 - 9. 5. 2022

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Ústrašice, May 2022

1 List of participants

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

2 Basic tests information

2.1 The basic dates

setting in the hatchery: 9 March 2022
beginning of test: 31 March 2022
end of the test: 9 May 2022

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 840 hatching eggs. 520 broilers were sexed and placed always 260 females (in two pens) and 260 males (in two pens).
The parent flock is 50 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	41.42	49.80	51.37	57.12
Maize	15.00	13.00	13.00	10.00
Soybean extr. groats	31.50	30.40	28.55	24.80
Soybean extr.	4.00	-	-	-
Fish meal	1.50	-	-	-
MCP – monocalciumphosphate	0.47	0.31	0.18	0.16
Calcium carbonate	1.47	1.16	1.15	1.13
Salt	0.28	0.24	0.23	0.26
Soybean oil	2.46	2.50	2.50	2.62
Animal fat	-	0.86	1.29	2.50
Sodium sulfate	0.13	0.10	0.11	0.08
Premixes of amino acid	0.85	0.86	0.86	0.86
Vitamin and mineral supplement	0.92	0.77	0.76	0.47
Nutrient content				
Crude protein (g/kg)	23.36	21.17	20.50	19.15
Fat (g/kg)	5.16	5.20	5.62	6.86
Lysine (g/kg)	1.30	1.17	1.13	1.05
Methionine (g/kg)	0.63	0.56	0.54	0.50
Ca (g/kg)	0.96	0.78	0.75	0.72
P (g/kg)	0.45	0.39	0.36	0.35
Vitamin A (IU/kg)	15000	10000	10000	10000
Vitamin D3 (IU/kg)	5000	5000	5000	5000
ME (MJ/kg)	12.40	12.70	12.90	13.40

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, 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 32. 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 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
	3c	Mortality during growing period at the age of 39 days
	4	Results of carcass analysis
	5a	Statistical analysis - cocks
	5b	Statistical analysis - hens

Hatchability **Tab. No. 1**

Test: 50

Part fattening: 3

Cross	Sample	Fertility	Hatchability		Birds housed	Average weight		
			Set	Fert.		hatch. eggs	1-day	
							♂	♀
		%	%	%		g	g	g
xxxxx	1	92.02	78.93	85.77	520	69.8	46.5	46.7
xxxxx	2	97.02	87.02	89.69	520	66.8	45.9	46.5
xxxxx	3	93.45	76.31	81.66	520	69.1	47.2	47.7
xxxxx	4	94.52	81.43	86.15	520	67.4	47.5	47.0
xxxxx	5	88.45	76.90	86.94	520	69.5	46.6	45.8
xxxxx	6	96.19	82.50	85.77	520	68.7	48.0	47.8
xxxxx	7	93.81	80.71	86.04	520	69.5	47.5	48.2
xxxxx	8	90.71	78.10	86.09	520	69.8	47.1	47.2
xxxxx	9	86.90	72.62	83.56	520	68.6	47.6	46.7
xxxxx	10	93.69	78.21	83.48	520	71.8	48.5	48.7
xxxxx	11	96.07	84.52	87.98	520	67.2	46.1	45.7
xxxxx	12	96.67	83.69	86.58	520	71.0	47.9	47.7

Broiler results at the age of 7 days **Tab. No. 2a**

Test: 50

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
xxxxx	1	1	0.8	175.0	5	3.8	180.8	6	1.2	177.9
xxxxx	2	2	1.5	209.2	0	0.0	201.7	2	0.4	205.4
xxxxx	3	0	0.0	180.8	0	0.0	185.8	0	0.0	183.3
xxxxx	4	2	1.5	211.7	1	0.8	204.2	3	0.6	207.9
xxxxx	5	0	0.0	190.8	9	6.9	180.0	9	1.7	185.5
xxxxx	6	1	0.8	214.2	7	5.4	207.5	8	1.5	210.9
xxxxx	7	0	0.0	214.2	0	0.0	202.5	0	0.0	208.3
xxxxx	8	1	0.8	191.7	5	3.8	179.2	6	1.2	185.5
xxxxx	9	1	0.8	205.0	3	2.3	202.5	4	0.8	203.8
xxxxx	10	1	0.8	185.0	1	0.8	181.7	2	0.4	183.3
xxxxx	11	0	0.0	208.3	0	0.0	211.7	0	0.0	210.0
xxxxx	12	0	0.0	184.2	1	0.8	181.7	1	0.2	182.9

Broiler results at the age of 14 days **Tab. No. 2b**

Test: 50

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
xxxxx	1	254	557.5	1026.1	250	524.2	1057.7	504	541.0	1041.3
xxxxx	2	257	575.8	1035.2	260	562.5	992.1	517	569.1	1013.8
xxxxx	3	259	552.5	1019.6	260	532.5	1063.9	519	542.5	1041.4
xxxxx	4	258	575.8	984.8	258	566.7	1017.8	516	571.3	1001.1
xxxxx	5	259	560.8	999.6	246	550.0	1011.8	505	555.6	1005.5
xxxxx	6	257	570.8	1033.4	248	564.2	1034.9	505	567.6	1034.1
xxxxx	7	258	585.0	1015.0	260	559.2	1009.7	518	572.0	1012.4
xxxxx	8	257	565.0	1039.2	250	554.2	1066.1	507	559.7	1052.3
xxxxx	9	256	575.0	1026.5	253	562.5	1014.0	509	568.8	1020.3
xxxxx	10	258	560.8	1053.9	258	548.3	1066.0	516	554.6	1059.9
xxxxx	11	260	556.7	1032.9	258	550.8	996.4	518	553.8	1014.8
xxxxx	12	258	572.5	1029.8	256	562.5	1084.0	514	567.5	1056.5

Broiler results at the age of 32 days **Tab. No. 2c**

Test: 50

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
xxxxx	1	243	2447.6	1378.2	250	2182.4	1421.0	493	2313.1	1398.7
xxxxx	2	255	2319.5	1418.8	260	2099.0	1361.5	515	2208.2	1391.3
xxxxx	3	251	2364.3	1371.5	256	2215.1	1370.6	507	2289.0	1371.0
xxxxx	4	251	2438.4	1372.3	255	2203.1	1366.0	506	2319.8	1369.3
xxxxx	5	257	2399.5	1354.7	242	2208.5	1377.3	499	2306.8	1365.2
xxxxx	6	250	2336.2	1430.7	243	2117.0	1453.4	493	2228.2	1441.4
xxxxx	7	247	2406.9	1413.3	260	2104.6	1410.1	507	2251.9	1411.8
xxxxx	8	253	2443.8	1364.1	246	2269.1	1382.3	499	2357.7	1372.7
xxxxx	9	250	2514.0	1372.1	253	2221.6	1354.3	503	2366.9	1363.7
xxxxx	10	255	2419.1	1377.6	257	2201.0	1378.4	512	2309.6	1378.0
xxxxx	11	255	2297.0	1418.0	258	2118.0	1345.8	513	2207.0	1383.2
xxxxx	12	252	2490.6	1361.3	254	2301.8	1396.7	506	2395.8	1378.4

Broiler results at the age of 39 days **Tab. No. 2d**

Test: 50

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
xxxxx	1	117	3133.9	1576.3	124	2712.2	1597.6	241	2916.9	1586.5
xxxxx	2	127	3162.4	1516.4	129	2599.8	1579.4	256	2878.9	1545.1
xxxxx	3	122	3053.8	1558.7	127	2759.9	1590.0	249	2903.9	1573.8
xxxxx	4	124	3337.6	1508.7	128	2868.5	1554.3	252	3099.3	1530.2
xxxxx	5	128	3085.3	1488.7	117	2756.7	1593.3	245	2928.4	1535.7
xxxxx	6	123	3107.2	1557.1	122	2769.7	1642.5	245	2939.1	1597.2
xxxxx	7	119	3124.7	1603.9	128	2750.4	1577.9	247	2930.7	1591.3
xxxxx	8	125	3220.2	1527.6	123	2801.5	1582.8	248	3012.6	1553.0
xxxxx	9	121	3158.3	1620.3	126	2755.0	1581.5	247	2952.6	1601.8
xxxxx	10	122	3085.0	1574.0	129	2672.9	1594.3	251	2873.2	1583.7
xxxxx	11	127	3099.4	1528.1	129	2585.7	1582.3	256	2840.5	1553.0
xxxxx	12	124	3279.0	1538.4	125	2832.6	1583.0	249	3054.9	1559.2

Mortality in the age 14 days **Tab. No. 3a**

Test: 50

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	%														
xxxxx	1	6	2.31	10	3.85	16	3.08											5			11
xxxxx	2	3	1.15	0	0.00	3	0.58											3			
xxxxx	3	1	0.38	0	0.00	1	0.19											1			
xxxxx	4	2	0.77	2	0.77	4	0.77											2			2
xxxxx	5	1	0.38	14	5.38	15	2.88											1			14
xxxxx	6	3	1.15	12	4.62	15	2.88											5			10
xxxxx	7	2	0.77	0	0.00	2	0.38											1			1
xxxxx	8	3	1.15	10	3.85	13	2.50														13
xxxxx	9	4	1.54	7	2.69	11	2.12										1	5			5
xxxxx	10	2	0.77	2	0.77	4	0.77											2			2
xxxxx	11	0	0.00	2	0.77	2	0.38											1			1
xxxxx	12	2	0.77	4	1.54	6	1.15											2			4

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 in the age 32 days **Tab. No. 3b**

Test: 50

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	%														
xxxxx	1	16	3.08	11	2.12	27	5.19											12			15
xxxxx	2	3	0.58	2	0.38	5	0.96											5			
xxxxx	3	1	0.19	12	2.31	13	2.50											13			
xxxxx	4	4	0.77	10	1.92	14	2.69											11			3
xxxxx	5	15	2.88	6	1.15	21	4.04											6			15
xxxxx	6	15	2.88	12	2.31	27	5.19										1	14			12
xxxxx	7	2	0.38	11	2.12	13	2.50											11			2
xxxxx	8	13	2.50	8	1.54	21	4.04										1	5			15
xxxxx	9	11	2.12	6	1.15	17	3.27										1	10			6
xxxxx	10	4	0.77	4	0.77	8	1.54											6			2
xxxxx	11	2	0.38	5	0.96	7	1.35											6			1
xxxxx	12	6	1.15	8	1.54	14	2.69											9			5

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 in the age 39 days **Tab. No. 3c**

Test: 50

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	%														
xxxxx	1	16	3.08	15	2.88	31	5.96											15			16
xxxxx	2	3	0.58	4	0.77	7	1.35											7			
xxxxx	3	1	0.19	14	2.69	15	2.88											15			
xxxxx	4	4	0.77	12	2.31	16	3.08											13			3
xxxxx	5	15	2.88	7	1.35	22	4.23											7			15
xxxxx	6	15	2.88	13	2.50	28	5.38										1	15			12
xxxxx	7	2	0.38	14	2.69	16	3.08											14			2
xxxxx	8	13	2.50	12	2.31	25	4.81										1	9			15
xxxxx	9	11	2.12	10	1.92	21	4.04										1	14			6
xxxxx	10	4	0.77	9	1.73	13	2.50											11			2
xxxxx	11	2	0.38	7	1.35	9	1.73											8			1
xxxxx	12	6	1.15	10	1.92	16	3.08											11			5

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

Results of carcass analysis in 32 days **Tab. No. 4 (page 1)**

Test: 50

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	%	%	%	%
xxxxx		♂	3103	2203	180	39	1.26	765	24.66	34.72	649	20.93	29.47	1414	45.58	64.19	71.01	76.81
	1	♀	2754	1990	171	47	1.72	700	25.40	35.16	597	21.68	30.01	1297	47.08	65.17	72.24	78.44
		ø	**2928**	**2096**	**175**	**43**	**1.48**	**732**	**25.01**	**34.93**	**623**	**21.28**	**29.72**	**1355**	**46.29**	**64.66**	**71.59**	**77.58**
xxxxx		♂	3238	2303	168	34	1.05	790	24.41	34.32	702	21.69	30.49	1493	46.10	64.81	71.14	76.32
	2	♀	2779	1963	163	36	1.28	687	24.73	35.02	592	21.30	30.16	1279	46.03	65.17	70.63	76.49
		ø	**3008**	**2133**	**165**	**35**	**1.16**	**739**	**24.56**	**34.64**	**647**	**21.51**	**30.34**	**1386**	**46.07**	**64.97**	**70.90**	**76.40**
xxxxx		♂	3216	2247	188	45	1.39	751	23.36	33.44	702	21.83	31.25	1454	45.20	64.69	69.87	75.72
	3	♀	2743	1946	173	47	1.72	633	23.09	32.54	597	21.77	30.68	1230	44.86	63.22	70.96	77.27
		ø	**2979**	**2097**	**181**	**46**	**1.54**	**692**	**23.24**	**33.02**	**650**	**21.80**	**30.98**	**1342**	**45.04**	**64.01**	**70.37**	**76.43**
xxxxx		♂	3431	2440	183	41	1.21	836	24.37	34.27	750	21.87	30.75	1586	46.24	65.02	71.12	76.45
	4	♀	2925	2103	162	41	1.41	735	25.15	34.97	645	22.04	30.65	1380	47.19	65.62	71.91	77.45
		ø	**3178**	**2272**	**172**	**41**	**1.30**	**786**	**24.73**	**34.59**	**697**	**21.95**	**30.70**	**1483**	**46.67**	**65.30**	**71.48**	**76.91**
xxxxx		♂	3488	2441	190	41	1.18	838	24.04	34.35	713	20.43	29.19	1551	44.47	63.54	69.99	75.44
	5	♀	2719	1957	163	35	1.28	684	25.17	34.98	567	20.84	28.97	1251	46.01	63.95	71.95	77.96
		ø	**3103**	**2199**	**177**	**38**	**1.22**	**761**	**24.54**	**34.63**	**640**	**20.61**	**29.09**	**1401**	**45.15**	**63.72**	**70.85**	**76.54**
xxxxx		♂	3130	2219	173	37	1.18	800	25.55	36.04	661	21.13	29.80	1461	46.68	65.84	70.91	76.44
	6	♀	2747	1982	161	36	1.30	696	25.34	35.12	590	21.47	29.76	1286	46.81	64.87	72.16	78.04
		ø	**2938**	**2101**	**167**	**36**	**1.24**	**748**	**25.45**	**35.60**	**626**	**21.29**	**29.78**	**1373**	**46.75**	**65.38**	**71.49**	**77.19**

Results of carcass analysis in 32 days **Tab. No. 4 (page 2)**

Test: 50

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	%	%	%	%
xxxxx		♂	2947	2103	174	33	1.11	741	25.15	35.24	634	21.51	30.14	1375	46.66	65.38	71.37	77.29
	7	♀	2721	1981	155	36	1.32	697	25.60	35.18	599	22.00	30.22	1295	47.60	65.40	72.79	78.48
		ø	**2834**	**2042**	**165**	**34**	**1.21**	**719**	**25.37**	**35.21**	**616**	**21.74**	**30.18**	**1335**	**47.11**	**65.39**	**72.05**	**77.86**
xxxxx		♂	3207	2306	177	39	1.22	773	24.10	33.52	705	21.98	30.57	1478	46.08	64.09	71.91	77.41
	8	♀	2652	1895	154	49	1.83	651	24.55	34.35	552	20.82	29.13	1203	45.37	63.48	71.47	77.28
		ø	**2929**	**2101**	**165**	**44**	**1.50**	**712**	**24.30**	**33.89**	**628**	**21.46**	**29.92**	**1340**	**45.76**	**63.81**	**71.71**	**77.35**
xxxxx		♂	3295	2293	183	39	1.17	794	24.11	34.63	712	21.62	31.06	1506	45.73	65.70	69.60	75.16
	9	♀	2858	2081	161	41	1.43	726	25.38	34.87	631	22.08	30.34	1357	47.47	65.21	72.80	78.44
		ø	**3076**	**2187**	**172**	**40**	**1.29**	**760**	**24.70**	**34.75**	**672**	**21.84**	**30.72**	**1432**	**46.54**	**65.46**	**71.08**	**76.69**
xxxxx		♂	2960	2115	181	38	1.29	682	23.05	32.25	656	22.17	31.02	1338	45.23	63.27	71.48	77.59
	10	♀	2643	1863	159	40	1.51	603	22.83	32.40	573	21.70	30.79	1177	44.53	63.18	70.47	76.47
		ø	**2801**	**1989**	**170**	**39**	**1.39**	**643**	**22.95**	**32.32**	**615**	**21.95**	**30.91**	**1258**	**44.90**	**63.23**	**71.00**	**77.06**
xxxxx		♂	3014	2143	171	34	1.11	741	24.58	34.57	640	21.23	29.86	1381	45.82	64.43	71.11	76.80
	11	♀	2703	1943	158	35	1.30	665	24.59	34.22	589	21.80	30.33	1254	46.39	64.56	71.86	77.71
		ø	**2858**	**2043**	**165**	**34**	**1.20**	**703**	**24.59**	**34.40**	**615**	**21.50**	**30.08**	**1317**	**46.09**	**64.49**	**71.47**	**77.23**
xxxxx		♂	3357	2378	186	39	1.15	807	24.02	33.92	719	21.41	30.23	1525	45.43	64.15	70.82	76.36
	12	♀	2750	1975	156	45	1.63	665	24.20	33.70	588	21.37	29.75	1253	45.57	63.45	71.81	77.50
		ø	**3053**	**2176**	**171**	**42**	**1.37**	**736**	**24.10**	**33.82**	**653**	**21.39**	**30.01**	**1389**	**45.49**	**63.84**	**71.27**	**76.88**

Statistical analysis - Cocks on the age of 32 days **Tab. No. 5a**

Test: 50

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	%	%
xxxxx	1	243	2447.61	259.15	10.59	16.62	0.68	0.49
xxxxx	2	255	2319.53	258.67	11.15	16.20	0.70	0.50
xxxxx	3	251	2364.30	253.74	10.73	16.02	0.68	0.49
xxxxx	4	251	2438.41	232.25	9.52	14.66	0.60	0.43
xxxxx	5	257	2399.46	236.52	9.86	14.75	0.61	0.44
xxxxx	6	250	2336.16	226.57	9.70	14.33	0.61	0.44
xxxxx	7	247	2406.92	209.37	8.70	13.32	0.55	0.40
xxxxx	8	253	2443.83	268.04	10.97	16.85	0.69	0.49
xxxxx	9	250	2514.04	272.09	10.82	17.21	0.68	0.49
xxxxx	10	255	2419.06	269.52	11.14	16.88	0.70	0.50
xxxxx	11	255	2297.02	243.01	10.58	15.22	0.66	0.47
xxxxx	12	252	2490.60	238.08	9.56	15.00	0.60	0.43

Statistical analysis - Hens on the age of 32 days **Tab. No. 5b**

Test: 50

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	%	%
xxxxx	1	250	2182.44	280.48	12.85	17.74	0.81	0.59
xxxxx	2	260	2098.96	235.76	11.23	14.62	0.70	0.50
xxxxx	3	256	2215.12	242.57	10.95	15.16	0.68	0.49
xxxxx	4	255	2203.06	268.26	12.18	16.80	0.76	0.55
xxxxx	5	242	2208.47	224.26	10.15	14.42	0.65	0.47
xxxxx	6	243	2117.04	167.09	7.89	10.72	0.51	0.36
xxxxx	7	260	2104.58	185.88	8.83	11.53	0.55	0.39
xxxxx	8	246	2269.11	215.71	9.51	13.75	0.61	0.43
xxxxx	9	253	2221.58	248.61	11.19	15.63	0.70	0.50
xxxxx	10	257	2201.01	263.25	11.96	16.42	0.75	0.54
xxxxx	11	258	2117.98	231.08	10.91	14.39	0.68	0.49
xxxxx	12	254	2301.77	234.16	10.17	14.69	0.64	0.46