



MEZINÁRODNÍ TESTOVÁNÍ DRŮBEŽE
státní podnik, ÚSTRAŠICE

390 02 Tábor 2

Tel.: 381 200 320

**1st part fattening test of the final product of LI.
international test of parents from of broilers**

30. 11. 2022 - 1. 1. 2023

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Ústrašice, February 2023

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
13	XXXXXX	XXXXXX	XXXXXX
14	XXXXXX	XXXXXX	XXXXXX
15	XXXXXX	XXXXXX	XXXXXX

2 Basic tests information

2.1 The basic dates

setting in the hatchery:

8 November 2022

beginning of test:

30 November 2022

end of the test:

1 January 2023

2.2 Location of the test

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

3 Material and methods

3.1 Material

There were 15 different breeds in this test. Each sample consisted of 720 hatching eggs. 560 broilers were sexed and placed always 280 females (in two pens) and 280 males (in two pens).

The parent flock is 34 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 – 29	18	6
Day 30 – 32	23	1

3.4 Stocking density

17,2 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 – 32 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	48.42	50.08	57.12
Maize	15.00	13.00	13.00	10.00
Soybean extr. groats	31.50	31.85	29.95	24.80
Soybean extr.	4.00	-	-	-
Fish meal	1.50	-	-	-
MCP – monocalciumphosphate	0.47	0.30	0.17	0.16
Calcium carbonate	1.47	1.13	1.12	1.13
Salt	0.28	0.24	0.22	0.26
Soybean oil	2.46	2.50	2.50	2.62
Animal fat	-	0.87	1.28	2.50
Sodium sulfate	0.13	0.10	0.11	0.08
Premixes of amino acid	0.85	0.83	0.73	0.86
Vitamin and mineral supplement	0.92	0.76	0.84	0.47
Nutrient content				
Crude protein (g/kg)	230.21	212.94	206.19	188.42
Fat (g/kg)	51.60	52.10	56.13	68.62
Lysine dig. (g/kg)	12.82	11.68	11.30	10.34
Methionine dig. (g/kg)	6.27	5.68	5.44	4.97
Ca phyt. (g/kg)	9.76	7.81	7.52	7.37
P dig. (g/kg)	4.51	3.90	3.61	3.50
Vitamin A (IU/kg)	15000	10000	10000	10000
Vitamin D3 (IU/kg)	5000	5000	5000	5000
ME (MJ/kg)	12.45	12.70	12.90	13.46

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. Amoxicillin treatment was initiated on day 2 due to higher mortality. After several more necropsies of dead chickens, xxxxx was used.

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 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.

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 32 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
3a	Mortality during growing period at the age of 14 days
3b	Mortality during growing period at the age of 32 days
4	Results of carcass analysis
5a	Statistical analysis – cocks
5b	Statistical analysis – hens

Hatchability**Tab. No. 1**

Test: 51

Part fattening: 1

Cross	Sample	Fertility	Hatchability		Birds housed	Average weight		
			Set	Fert.		hatch. eggs	1-day	
		%	%	%			♂	♀
						g	g	g
XXXXX	1	98.33	83.75	85.17	560	60.83	38.50	38.68
XXXXX	2	97.78	83.75	85.65	560	62.71	40.57	40.82
XXXXX	3	98.33	86.94	88.42	560	61.39	40.04	40.31
XXXXX	4	98.06	92.08	93.91	560	60.74	41.25	40.54
XXXXX	5	97.50	88.89	91.17	560	61.06	39.25	39.71
XXXXX	6	95.97	85.83	89.44	560	62.63	41.07	41.07
XXXXX	7	98.75	91.39	92.55	560	60.53	39.79	39.64
XXXXX	8	98.89	88.89	89.89	560	61.03	39.46	39.39
XXXXX	9	98.33	85.14	86.58	560	61.35	40.32	40.11
XXXXX	10	98.61	91.67	92.96	560	59.60	37.29	37.25
XXXXX	11	97.50	88.19	90.46	560	59.90	38.54	38.46
XXXXX	12	98.06	88.61	90.37	560	61.92	38.71	38.61
XXXXX	13	97.08	85.83	88.41	560	63.03	39.86	40.82
XXXXX	14	98.06	90.83	92.63	560	60.31	39.46	39.71
XXXXX	15	97.78	85.28	87.22	560	62.49	40.04	39.39

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

Broiler results at the age of 7 days

Tab. No. 2a

Test: 51

Part fattening: 1

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	28	20.00	142.50	47	33.57	140.83	75	13.39	141.70
XXXXX	2	23	16.43	185.00	23	16.43	168.33	46	8.21	176.67
XXXXX	3	48	34.29	185.83	17	12.14	171.67	65	11.61	178.31
XXXXX	4	23	16.43	189.17	17	12.14	171.67	40	7.14	180.32
XXXXX	5	18	12.86	176.67	27	19.29	170.00	45	8.04	173.39
XXXXX	6	16	11.43	181.67	41	29.29	168.33	57	10.18	175.33
XXXXX	7	15	10.71	194.17	36	25.71	174.17	51	9.11	184.58
XXXXX	8	12	8.57	183.33	35	25.00	170.00	47	8.39	176.97
XXXXX	9	38	27.14	182.50	48	34.29	166.67	86	15.36	174.75
XXXXX	10	13	9.29	194.17	25	17.86	175.00	38	6.79	184.80
XXXXX	11	19	13.57	189.17	27	19.29	174.17	46	8.21	181.78
XXXXX	12	23	16.43	180.83	33	23.57	170.83	56	10.00	175.93
XXXXX	13	27	19.29	185.00	39	27.86	173.33	66	11.79	179.31
XXXXX	14	22	15.71	191.67	16	11.43	178.33	38	6.79	184.92
XXXXX	15	26	18.57	175.00	62	44.29	164.17	88	15.71	170.00

Broiler results at the age of 14 days

Tab. No. 2b

Test: 51

Part fattening: 1

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	
XXXXX	1	247	442.50	1075.96	224	440.83	1180.80	471	441.71	1125.72
XXXXX	2	247	530.83	1060.13	242	506.67	1126.30	489	518.87	1092.11
XXXXX	3	218	526.67	1093.08	250	505.00	1100.99	468	515.09	1097.22
XXXXX	4	246	550.00	1037.69	255	520.83	1030.78	501	535.15	1034.27
XXXXX	5	246	526.67	1049.71	237	505.00	1152.19	483	516.04	1098.92
XXXXX	6	244	521.67	1088.10	227	500.83	1133.79	471	511.63	1109.65
XXXXX	7	255	538.33	1024.22	232	525.00	1079.64	487	531.98	1050.28
XXXXX	8	256	528.33	1036.57	233	510.83	1124.98	489	519.99	1077.96
XXXXX	9	220	525.00	1148.92	211	506.67	1218.82	431	516.02	1182.52
XXXXX	10	263	542.50	885.21	247	524.17	948.49	510	533.62	915.32
XXXXX	11	258	542.50	950.95	246	530.00	947.23	504	536.40	949.16
XXXXX	12	238	525.00	1105.24	239	491.67	1155.66	477	508.30	1129.68
XXXXX	13	228	525.00	1138.68	221	495.00	1219.43	449	510.23	1177.24
XXXXX	14	248	541.67	1039.95	256	516.67	1038.81	504	528.97	1039.38
XXXXX	15	233	523.33	1062.85	208	490.83	1163.64	441	508.00	1108.78

Broiler results at the age of 32 days

Tab. No. 2c

Test: 51

Part fattening: 1

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	
XXXXX	1	243	1883.25	1558.90	220	1795.73	1489.14	463	1841.66	1526.58
XXXXX	2	241	2253.86	1464.34	237	2085.40	1448.89	478	2170.33	1456.98
XXXXX	3	217	2335.21	1405.65	242	2060.41	1485.30	459	2190.33	1445.15
XXXXX	4	242	2201.12	1484.78	254	1932.64	1456.74	496	2063.63	1471.34
XXXXX	5	237	2172.03	1493.09	228	2090.53	1458.33	465	2132.06	1476.38
XXXXX	6	236	2113.98	1501.50	222	1925.18	1511.27	458	2022.47	1506.01
XXXXX	7	251	2182.95	1480.69	231	1921.47	1492.36	482	2057.63	1485.91
XXXXX	8	242	2172.48	1510.25	230	2039.78	1521.48	472	2107.82	1515.54
XXXXX	9	208	2175.48	1511.60	208	2026.78	1566.05	416	2101.13	1537.86
XXXXX	10	259	1586.33	1614.91	246	1443.70	1592.28	505	1516.85	1604.42
XXXXX	11	250	1517.40	1705.81	244	1383.85	1607.53	494	1451.44	1659.53
XXXXX	12	227	2142.20	1534.30	237	2013.59	1476.47	464	2076.51	1505.66
XXXXX	13	222	2190.23	1515.33	214	2033.04	1514.24	436	2113.07	1514.82
XXXXX	14	243	2115.39	1520.31	255	1854.78	1508.98	498	1981.95	1514.88
XXXXX	15	228	2103.64	1469.05	206	1882.67	1555.58	434	1998.76	1507.74

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

Test: 51

Part fattening: 1

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	33	11.79	56	20.00	89	15.89									13	4		61	11	
xxxxx	2	33	11.79	38	13.57	71	12.68		2							10	4		42	13	
xxxxx	3	62	22.14	30	10.71	92	16.43		5							16	7		47	17	
xxxxx	4	34	12.14	25	8.93	59	10.54		1							12	4		36	6	
xxxxx	5	34	12.14	43	15.36	77	13.75		5							11	10		36	15	
xxxxx	6	36	12.86	53	18.93	89	15.89		5							15	5		46	18	
xxxxx	7	25	8.93	48	17.14	73	13.04		2							8	8		44	11	
xxxxx	8	24	8.57	47	16.79	71	12.68		2							13	5		39	12	
xxxxx	9	60	21.43	69	24.64	129	23.04		8							14	9		74	24	
xxxxx	10	17	6.07	33	11.79	50	8.93		1							7	4		30	8	
xxxxx	11	22	7.86	34	12.14	56	10.00		1							4	5		42	4	
xxxxx	12	42	15.00	41	14.64	83	14.82		2							13	10		49	9	
xxxxx	13	52	18.57	59	21.07	111	19.82		3							20	16		56	16	
xxxxx	14	32	11.43	24	8.57	56	10.00		3							8	2		33	10	
xxxxx	15	47	16.79	72	25.71	119	21.25		6							12	8		76	17	

- Causes: 1 – Viral diseases 6 – Wounds 11 – Sudden death syndrome
 2 – Bacterial diseases 7 – Digestive track diseases 12 – Cannibalism
 3 – Moulds diseases 8 – Respiratory tract diseases 13 – Yolk sac. infam.
 4 – Parasitary diseases 9 – Reproduction tract diseases 14 – Culling and other causes
 5 – Tumors 10 – Locomotion apparatus diseases

Mortality during the masts in 32 days

Tab. No. 3b

Test: 51

Part fattening: 1

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	89	15.89	8	1.43	97	17.32										16	9		61	11
XXXXXX	2	71	12.68	11	1.96	82	14.64		7								10	8		42	15
XXXXXX	3	92	16.43	9	1.61	101	18.04		6								16	9		52	18
XXXXXX	4	59	10.54	5	0.89	64	11.43		5								13	4		36	6
XXXXXX	5	77	13.75	18	3.21	95	16.96		10								12	19		36	18
XXXXXX	6	89	15.89	13	2.32	102	18.21		11								17	9		46	19
XXXXXX	7	73	13.04	5	0.89	78	13.93		4								8	9		44	13
XXXXXX	8	71	12.68	17	3.04	88	15.71		5								13	16		39	15
XXXXXX	9	129	23.04	15	2.68	144	25.71		13								14	16		74	27
XXXXXX	10	50	8.93	5	0.89	55	9.82		5								7	5		30	8
XXXXXX	11	56	10.00	10	1.79	66	11.79		7								4	9		42	4
XXXXXX	12	83	14.82	13	2.32	96	17.14		3								14	17		49	13
XXXXXX	13	111	19.82	13	2.32	124	22.14		9								20	22		56	17
XXXXXX	14	56	10.00	6	1.07	62	11.07		6								8	5		33	10
XXXXXX	15	119	21.25	7	1.25	126	22.50		9								12	12		76	17

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: 51

Part fattening: 1

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	♂	1953	1339	126	18	0.91	448	22.94	33.45	407	20.84	30.40	855	43.78	63.85	68.57	75.02
		♀	1898	1290	115	21	1.10	443	23.35	34.33	382	20.15	29.63	825	43.50	63.96	68.01	74.07
		♂	1925	1315	121	19	1.01	445	23.14	33.88	395	20.50	30.02	840	43.64	63.91	68.29	74.55
xxxxxx	2	♂	2277	1554	133	29	1.26	504	22.13	32.43	466	20.47	30.00	970	42.61	62.43	68.25	74.10
		♀	2093	1463	126	30	1.44	484	23.14	33.09	418	19.95	28.54	902	43.09	61.62	69.92	75.92
		♂	2185	1508	129	29	1.35	494	22.61	32.75	442	20.22	29.29	936	42.84	62.04	69.05	74.97
xxxxxx	3	♂	2373	1659	140	29	1.22	551	23.24	33.24	485	20.45	29.25	1037	43.69	62.49	69.91	75.82
		♀	2093	1455	120	30	1.43	490	23.41	33.67	428	20.44	29.40	918	43.85	63.06	69.53	75.26
		♂	2233	1557	130	29	1.32	521	23.32	33.44	457	20.45	29.32	977	43.76	62.76	69.73	75.56
xxxxxx	4	♂	2278	1586	136	24	1.07	537	23.56	33.85	471	20.69	29.72	1008	44.25	63.57	69.61	75.56
		♀	2007	1366	120	22	1.08	470	23.42	34.40	400	19.91	29.25	870	43.33	63.65	68.07	74.05
		♂	2143	1476	128	23	1.07	503	23.49	34.10	435	20.32	29.50	939	43.82	63.61	68.89	74.85
xxxxxx	5	♂	2324	1618	138	28	1.21	561	24.15	34.68	480	20.67	29.67	1041	44.82	64.35	69.66	75.61
		♀	2151	1494	127	30	1.41	499	23.21	33.41	439	20.41	29.37	938	43.62	62.78	69.48	75.40
		♂	2237	1556	133	29	1.30	530	23.70	34.07	460	20.54	29.53	990	44.24	63.60	69.57	75.51
xxxxxx	6	♂	2147	1440	140	26	1.22	455	21.21	31.62	450	20.96	31.25	905	42.17	62.87	67.07	73.58
		♀	2011	1359	129	31	1.56	428	21.26	31.46	415	20.61	30.49	842	41.87	61.95	67.60	74.03
		♂	2079	1400	135	29	1.39	442	21.24	31.54	432	20.79	30.88	874	42.03	62.42	67.33	73.80

Results of carcass analysis in 32 days

Tab. No. 4 (page 2)

Test: 51

Part fattening: 1

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	7	♂	2227	1563	130	23	1.02	533	23.91	34.08	478	21.48	30.62	1011	45.40	64.69	70.17	75.99
		♀	1978	1386	112	22	1.09	477	24.14	34.43	415	20.99	29.94	892	45.13	64.38	70.10	75.75
		♂	2102	1474	121	22	1.05	505	24.02	34.24	447	21.25	30.30	952	45.27	64.54	70.14	75.88
xxxxxx	8	♂	2177	1517	130	27	1.26	496	22.79	32.69	451	20.73	29.74	947	43.52	62.43	69.71	75.68
		♀	2085	1461	125	30	1.45	492	23.59	33.67	422	20.23	28.87	914	43.82	62.54	70.07	76.06
		♂	2131	1489	127	29	1.35	494	23.18	33.17	437	20.49	29.31	930	43.67	62.48	69.89	75.86
xxxxxx	9	♂	2219	1557	136	26	1.17	517	23.30	33.19	460	20.74	29.56	977	44.04	62.75	70.18	76.31
		♀	2076	1465	125	28	1.35	490	23.60	33.44	435	20.95	29.68	925	44.55	63.12	70.59	76.61
		♂	2147	1511	131	27	1.26	503	23.44	33.31	448	20.84	29.62	951	44.29	62.93	70.38	76.46
xxxxxx	10	♂	1639	1126	106	19	1.16	367	22.40	32.61	339	20.68	30.09	706	43.08	62.70	68.71	75.19
		♀	1486	1027	96	16	1.09	340	22.89	33.12	296	19.91	28.80	636	42.81	61.92	69.13	75.57
		♂	1562	1077	101	18	1.13	354	22.64	32.85	317	20.31	29.48	671	42.95	62.33	68.91	75.37
xxxxxx	11	♂	1550	1063	96	18	1.17	331	21.37	31.18	325	20.95	30.55	656	42.32	61.73	68.55	74.75
		♀	1441	989	95	17	1.17	311	21.59	31.45	296	20.53	29.92	607	42.12	61.37	68.64	75.23
		♂	1496	1026	95	17	1.17	321	21.48	31.31	310	20.75	30.25	631	42.23	61.56	68.60	74.98
xxxxxx	12	♂	2289	1590	138	27	1.20	512	22.38	32.23	477	20.85	30.03	990	43.23	62.26	69.44	75.48
		♀	2102	1453	132	32	1.52	475	22.60	32.68	430	20.45	29.57	905	43.05	62.25	69.16	75.42
		♂	2195	1521	135	30	1.35	494	22.48	32.44	454	20.66	29.81	947	43.14	62.25	69.30	75.45

Results of carcass analysis in 32 days

Tab. No. 4 (page 3)

Test: 51

Part fattening: 1

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	13	♂	2302	1612	139	28	1.21	549	23.86	34.07	478	20.76	29.64	1027	44.61	63.71	70.03	76.04
		♀	2148	1495	129	32	1.50	504	23.49	33.74	444	20.67	29.69	948	44.15	63.43	69.61	75.63
		♂	2225	1553	134	30	1.35	527	23.68	33.91	461	20.71	29.66	988	44.39	63.58	69.82	75.84
xxxxx	14	♂	2146	1496	130	21	0.96	506	23.60	33.84	450	20.99	30.10	957	44.59	63.95	69.73	75.81
		♀	1895	1290	115	20	1.04	434	22.89	33.64	384	20.26	29.77	818	43.15	63.41	68.05	74.11
		♂	2020	1393	123	20	1.00	470	23.27	33.75	417	20.65	29.95	887	43.92	63.70	68.94	75.01
xxxxx	15	♂	2157	1487	137	29	1.35	476	22.08	32.04	458	21.22	30.80	934	43.31	62.84	68.92	75.25
		♀	1857	1277	117	27	1.44	414	22.29	32.40	376	20.25	29.43	790	42.54	61.83	68.81	75.09
		♂	2007	1382	127	28	1.39	445	22.18	32.21	417	20.77	30.16	862	42.95	62.37	68.87	75.17

Statistical analysis - Cocks on the age of 32 days

Tab. No. 5a

Test: 51

Part fattening: 1

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	1883.25	246.58	13.09	15.82	0.84	0.61
XXXXX	2	241	2253.86	268.78	11.93	17.31	0.77	0.55
XXXXX	3	217	2335.21	270.65	11.59	18.37	0.79	0.57
XXXXX	4	242	2201.12	246.19	11.18	15.83	0.72	0.52
XXXXX	5	237	2172.03	291.97	13.44	18.97	0.87	0.63
XXXXX	6	236	2113.98	269.22	12.74	17.52	0.83	0.60
XXXXX	7	251	2182.95	231.37	10.60	14.60	0.67	0.48
XXXXX	8	242	2172.48	238.06	10.96	15.30	0.70	0.51
XXXXX	9	208	2175.48	288.23	13.25	19.98	0.92	0.66
XXXXX	10	259	1586.33	179.84	11.34	11.17	0.70	0.51
XXXXX	11	250	1517.40	246.21	16.23	15.57	1.03	0.75
XXXXX	12	227	2142.20	255.96	11.95	16.99	0.79	0.57
XXXXX	13	222	2190.23	250.45	11.43	16.81	0.77	0.55
XXXXX	14	243	2115.39	255.34	12.07	16.38	0.77	0.56
XXXXX	15	228	2103.64	260.42	12.38	17.25	0.82	0.59

Statistical analysis - Hens on the age of 32 days

Tab. No. 5b

Test: 51

Part fattening: 1

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	220	1795.73	200.90	11.19	13.54	0.75	0.54
xxxxx	2	237	2085.40	250.19	12.00	16.25	0.78	0.56
xxxxx	3	242	2060.41	290.90	14.12	18.70	0.91	0.66
xxxxx	4	254	1932.64	232.65	12.04	14.60	0.76	0.54
xxxxx	5	228	2090.53	262.74	12.57	17.40	0.83	0.60
xxxxx	6	222	1925.18	273.45	14.20	18.35	0.95	0.69
xxxxx	7	231	1921.47	202.62	10.54	13.33	0.69	0.50
xxxxx	8	230	2039.78	227.88	11.17	15.03	0.74	0.53
xxxxx	9	208	2026.78	236.50	11.67	16.40	0.81	0.58
xxxxx	10	246	1443.70	164.01	11.36	10.46	0.72	0.52
xxxxx	11	244	1383.85	242.86	17.55	15.55	1.12	0.82
xxxxx	12	237	2013.59	276.05	13.71	17.93	0.89	0.64
xxxxx	13	214	2033.04	229.39	11.28	15.68	0.77	0.55
xxxxx	14	255	1854.78	209.14	11.28	13.10	0.71	0.51
xxxxx	15	206	1882.67	215.34	11.44	15.00	0.80	0.57