



MEZINÁRODNÍ TESTOVÁNÍ DRŮBEŽE  
státní podnik, ÚSTRAŠICE

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390 02 Tábor 2

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**1<sup>st</sup> part fattening test of the final product of LII.  
international test of parents from of broilers**

**6. 12. 2023 - 7. 1. 2024**

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Ústřašice, January 2024

## 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:

14 November 2023

beginning of test:

6 December 2023

end of the test:

7 January 2024

### 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 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

	<b>Starter BR1</b>	<b>Grower BR2-A</b>	<b>Grower BR2-B</b>	<b>Finisher BR3</b>
Age	Days 1 - 10	Days 11 - 21	Day 22 - 28	Day 29 - 32
<b>Components (%)</b>				
Wheat	42.86	50.55	52.46	57.88
Maize	15.00	13.00	13.00	10.00
Soybean extr.	32.25	30.95	28.90	26.65
Soybean extr. groats	3.00	-	-	-
Fish meal	1.50	-	-	-
MCP – monocalciumphosphate	0.75	0.35	0.27	0.18
Calcium carbonate	1.24	1.08	0.99	0.98
Salt	0.21	0.23	0.23	0.23
Soybean oil	1.30	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	0.87	0.88	0.80	0.80
Vitamin and mineral supplement	0.87	0.72	0.72	0.42
<b>Nutrient content</b>				
Crude protein (g/kg)	23.16	21.16	20.39	19.72
Fat (g/kg)	3.85	3.95	4.34	4.52
Lysine dig. (g/kg)	1.28	1.16	1.10	1.06
Methionine dig. (g/kg)	0.64	0.58	0.55	0.53
Ca phyt. (g/kg)	0.94	0.77	0.72	0.69
P dig. (g/kg)	0.51	0.4	0.38	0.36
Vitamin A (IU/kg)	15000	10000	10000	10000
Vitamin D3 (IU/kg)	5000	5000	5000	5000
ME (MJ/kg)	12.30	12.60	12.80	13.00

### 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. xxxxx treatment was initiated on day 3 due to higher mortality.

## **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: 52

Part fattening: 1

Cross	Sample	Fertility	Hatchability		Birds housed	Average weight		
			Set	Fert.		hatch. eggs	1-day	
		%	%	%		♂	♀	
						g	g	g
XXXXX	1	99.44	92.22	92.74	560	61.75	43.96	43.89
XXXXX	2	99.72	89.03	89.28	560	60.00	43.25	42.86
XXXXX	3	99.03	86.81	87.66	560	59.29	39.61	39.96
XXXXX	4	99.31	89.72	90.35	560	63.63	42.86	42.86
XXXXX	5	99.44	92.36	92.88	560	60.49	43.43	42.82
XXXXX	6	98.61	89.86	91.13	560	60.49	43.04	43.04
XXXXX	7	98.47	88.33	89.70	560	63.18	42.07	41.89
XXXXX	8	98.33	87.22	88.70	560	62.71	42.43	41.96
XXXXX	9	99.31	88.89	89.51	560	61.10	43.75	43.18
XXXXX	10	99.44	87.36	87.85	560	63.86	43.39	42.86
XXXXX	11	98.89	91.11	92.13	560	61.88	43.32	43.04
XXXXX	12	98.61	89.58	90.85	560	61.74	42.25	42.68

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

**Broiler results at the age of 7 days**

**Tab. No. 2a**

Test: 52

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	0	0.00	201.67	8	2.86	194.17	8	1.43	197.97
XXXXX	2	0	0.00	210.00	3	1.07	201.67	3	0.54	205.86
XXXXX	3	1	0.36	213.33	7	2.50	202.50	8	1.43	207.98
XXXXX	4	2	0.71	210.83	1	0.36	201.67	3	0.54	206.24
XXXXX	5	0	0.00	210.00	10	3.57	200.00	10	1.79	205.09
XXXXX	6	0	0.00	210.83	15	5.36	201.67	15	2.68	206.38
XXXXX	7	4	1.43	215.83	5	1.79	202.50	9	1.61	209.18
XXXXX	8	0	0.00	207.50	5	1.79	205.00	5	0.89	206.26
XXXXX	9	0	0.00	205.00	9	3.21	200.00	9	1.61	202.54
XXXXX	10	0	0.00	210.83	4	1.43	205.83	4	0.71	208.35
XXXXX	11	0	0.00	205.83	3	1.07	198.33	3	0.54	202.10
XXXXX	12	1	0.36	202.50	4	1.43	196.67	5	0.89	199.60

**Broiler results at the age of 14 days**

**Tab. No. 2b**

Test: 52

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	280	572.50	1073.61	272	531.67	1079.43	552	552.38	1076.37
xxxxx	2	280	591.67	1065.39	275	540.00	987.21	555	566.07	1028.44
xxxxx	3	279	585.83	979.52	273	545.00	1061.26	552	565.64	1018.47
xxxxx	4	277	582.50	1147.80	279	539.17	1164.68	556	560.76	1155.94
xxxxx	5	280	565.00	1036.03	270	540.00	1074.07	550	552.73	1054.28
xxxxx	6	280	563.33	1078.40	265	535.00	1115.85	545	549.56	1096.13
xxxxx	7	274	580.83	1128.51	271	545.83	1141.15	545	563.43	1134.60
xxxxx	8	278	570.00	1040.01	272	534.17	1178.31	550	552.28	1106.16
xxxxx	9	280	581.67	1002.66	268	538.33	1101.38	548	560.47	1049.03
xxxxx	10	279	576.67	1120.02	275	534.17	1154.56	554	555.57	1136.50
xxxxx	11	280	583.33	1105.10	277	549.17	1132.01	557	566.34	1118.08
xxxxx	12	278	564.17	1033.55	275	524.17	1214.05	553	544.28	1119.99



**Broiler results at the age of 32 days**

**Tab. No. 2c**

Test: 52

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			
xxxxx	1	276	2271.99	1524.87	272	1980.18	1525.22	548	2127.15	1525.03
xxxxx	2	279	2242.15	1499.46	275	1886.87	1513.04	554	2065.79	1505.61
xxxxx	3	278	2212.99	1505.83	272	1907.87	1542.37	550	2062.09	1522.55
xxxxx	4	270	2373.74	1504.42	278	2087.41	1497.50	548	2228.49	1501.13
xxxxx	5	271	2236.46	1505.41	268	1869.59	1547.35	539	2054.04	1524.39
xxxxx	6	278	2276.08	1488.11	265	1942.30	1523.58	543	2113.19	1504.02
xxxxx	7	269	2364.50	1503.03	270	2055.15	1584.64	539	2209.54	1541.05
xxxxx	8	274	2230.55	1537.71	270	2043.11	1579.29	544	2137.52	1557.43
xxxxx	9	280	2245.79	1511.56	268	1928.10	1562.32	548	2090.42	1534.46
xxxxx	10	275	2231.13	1558.61	273	2084.69	1556.97	548	2158.18	1557.82
xxxxx	11	273	2268.35	1584.31	276	2033.01	1568.14	549	2150.04	1576.62
xxxxx	12	277	2314.91	1484.02	274	1981.53	1595.39	551	2149.13	1535.08

**Mortality in the age 14 days**

**Tab. No. 3a**

Test: 52

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	0	0.00	8	2.86	8	1.43		7												1	
XXXXX	2	0	0.00	5	1.79	5	0.89		1									2			2	
XXXXX	3	1	0.36	7	2.50	8	1.43		6												2	
XXXXX	4	3	1.07	1	0.36	4	0.71		2									1			1	
XXXXX	5	0	0.00	10	3.57	10	1.79		9												1	
XXXXX	6	0	0.00	15	5.36	15	2.68		12												3	
XXXXX	7	6	2.14	9	3.21	15	2.68		5									2			4	4
XXXXX	8	2	0.71	8	2.86	10	1.79		4									5			1	
XXXXX	9	0	0.00	12	4.29	12	2.14		7									2			2	1
XXXXX	10	1	0.36	5	1.79	6	1.07		4												2	
XXXXX	11	0	0.00	3	1.07	3	0.54		3													
XXXXX	12	2	0.71	5	1.79	7	1.25		3											1	2	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: 52

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	%														
XXXXX	1	8	1.43	4	0.71	12	2.14		7									4		1	
XXXXX	2	5	0.89	1	0.18	6	1.07		1									2		2	1
XXXXX	3	8	1.43	2	0.36	10	1.79		6									2		2	
XXXXX	4	4	0.71	8	1.43	12	2.14		2									9		1	
XXXXX	5	10	1.79	11	1.96	21	3.75		9								1	9		1	1
XXXXX	6	15	2.68	2	0.36	17	3.04		12									2		3	
XXXXX	7	15	2.68	6	1.07	21	3.75		5									5		4	7
XXXXX	8	10	1.79	6	1.07	16	2.86		4									10		1	1
XXXXX	9	12	2.14	0	0.00	12	2.14		7									2		2	1
XXXXX	10	6	1.07	6	1.07	12	2.14		4									6		2	
XXXXX	11	3	0.54	8	1.43	11	1.96		3									7			1
XXXXX	12	7	1.25	2	0.36	9	1.61		3									3		2	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

Results of carcass analysis in 32 days

Tab. No. 4 (page 1)

Test: 52

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	1	♂	2347	1705	137	30	1.29	588	25.03	34.47	523	22.27	30.67	1110	47.30	65.13	72.62	78.47
		♀	2099	1475	120	28	1.32	523	24.91	35.45	442	21.04	29.94	964	45.95	65.39	70.27	75.99
		♂	<b>2223</b>	<b>1590</b>	<b>129</b>	<b>29</b>	<b>1.30</b>	<b>555</b>	<b>24.98</b>	<b>34.92</b>	<b>482</b>	<b>21.69</b>	<b>30.33</b>	<b>1037</b>	<b>46.67</b>	<b>65.25</b>	<b>71.51</b>	<b>77.30</b>
xxxxx	2	♂	2303	1608	132	30	1.30	562	24.42	34.98	478	20.77	29.75	1041	45.19	64.72	69.83	75.56
		♀	1894	1375	113	24	1.25	474	25.04	34.49	406	21.46	29.57	881	46.50	64.06	72.59	78.55
		♂	<b>2098</b>	<b>1491</b>	<b>122</b>	<b>27</b>	<b>1.28</b>	<b>518</b>	<b>24.70</b>	<b>34.75</b>	<b>442</b>	<b>21.08</b>	<b>29.66</b>	<b>961</b>	<b>45.78</b>	<b>64.42</b>	<b>71.07</b>	<b>76.91</b>
xxxxx	3	♂	2239	1599	129	33	1.47	568	25.38	35.54	472	21.09	29.52	1040	46.47	65.06	71.42	77.18
		♀	2011	1395	114	29	1.42	504	25.08	36.13	406	20.18	29.07	910	45.26	65.21	69.41	75.06
		♂	<b>2125</b>	<b>1497</b>	<b>121</b>	<b>31</b>	<b>1.45</b>	<b>536</b>	<b>25.24</b>	<b>35.82</b>	<b>439</b>	<b>20.66</b>	<b>29.31</b>	<b>975</b>	<b>45.90</b>	<b>65.13</b>	<b>70.47</b>	<b>76.17</b>
xxxxx	4	♂	2440	1702	141	35	1.42	562	23.02	33.01	511	20.93	30.01	1072	43.94	63.01	69.73	75.53
		♀	2147	1528	126	32	1.49	523	24.37	34.24	455	21.20	29.79	978	45.57	64.03	71.17	77.03
		♂	<b>2294</b>	<b>1615</b>	<b>134</b>	<b>33</b>	<b>1.45</b>	<b>542</b>	<b>23.65</b>	<b>33.59</b>	<b>483</b>	<b>21.06</b>	<b>29.90</b>	<b>1025</b>	<b>44.70</b>	<b>63.49</b>	<b>70.41</b>	<b>76.23</b>
xxxxx	5	♂	2268	1594	136	28	1.22	545	24.05	34.21	481	21.20	30.15	1026	45.25	64.36	70.30	76.28
		♀	1921	1340	117	24	1.27	462	24.03	34.45	398	20.70	29.68	859	44.73	64.13	69.75	75.86
		♂	<b>2094</b>	<b>1467</b>	<b>126</b>	<b>26</b>	<b>1.24</b>	<b>503</b>	<b>24.04</b>	<b>34.32</b>	<b>439</b>	<b>20.97</b>	<b>29.93</b>	<b>943</b>	<b>45.01</b>	<b>64.26</b>	<b>70.05</b>	<b>76.09</b>
xxxxx	6	♂	2290	1612	135	29	1.28	543	23.71	33.68	500	21.82	31.00	1042	45.53	64.67	70.40	76.31
		♀	2008	1401	119	27	1.36	493	24.53	35.17	418	20.80	29.82	910	45.34	64.98	69.77	75.68
		♂	<b>2149</b>	<b>1506</b>	<b>127</b>	<b>28</b>	<b>1.32</b>	<b>518</b>	<b>24.09</b>	<b>34.37</b>	<b>459</b>	<b>21.34</b>	<b>30.45</b>	<b>976</b>	<b>45.44</b>	<b>64.82</b>	<b>70.10</b>	<b>76.02</b>

Results of carcass analysis in 32 days

Tab. No. 4 (page 2)

Test: 52

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	7	♂	2404	1703	138	40	1.66	580	24.11	34.04	510	21.22	29.96	1090	45.34	63.99	70.85	76.59
		♀	2127	1518	124	33	1.53	525	24.69	34.59	445	20.90	29.28	970	45.59	63.87	71.37	77.19
		♂	<b>2265</b>	<b>1610</b>	<b>131</b>	<b>36</b>	<b>1.60</b>	<b>552</b>	<b>24.38</b>	<b>34.30</b>	<b>477</b>	<b>21.07</b>	<b>29.64</b>	<b>1030</b>	<b>45.45</b>	<b>63.94</b>	<b>71.09</b>	<b>76.88</b>
xxxxx	8	♂	2185	1530	133	32	1.45	509	23.29	33.27	461	21.10	30.13	970	44.39	63.40	70.02	76.12
		♀	2165	1529	126	33	1.51	507	23.40	33.12	466	21.52	30.46	972	44.91	63.58	70.64	76.44
		♂	<b>2180</b>	<b>1530</b>	<b>131</b>	<b>32</b>	<b>1.46</b>	<b>508</b>	<b>23.32</b>	<b>33.23</b>	<b>462</b>	<b>21.20</b>	<b>30.21</b>	<b>971</b>	<b>44.52</b>	<b>63.44</b>	<b>70.17</b>	<b>76.20</b>
xxxxx	9	♂	2306	1621	133	29	1.27	550	23.86	33.95	492	21.33	30.35	1042	45.19	64.30	70.28	76.04
		♀	2032	1420	120	28	1.40	496	24.42	34.94	429	21.12	30.22	925	45.53	65.16	69.87	75.80
		♂	<b>2169</b>	<b>1520</b>	<b>127</b>	<b>29</b>	<b>1.33</b>	<b>523</b>	<b>24.12</b>	<b>34.41</b>	<b>460</b>	<b>21.23</b>	<b>30.29</b>	<b>984</b>	<b>45.35</b>	<b>64.70</b>	<b>70.09</b>	<b>75.93</b>
xxxxx	10	♂	2352	1666	136	31	1.33	566	24.06	33.97	498	21.17	29.89	1064	45.23	63.86	70.83	76.59
		♀	2182	1531	129	37	1.72	517	23.68	33.74	457	20.96	29.86	974	44.64	63.61	70.18	76.10
		♂	<b>2267</b>	<b>1598</b>	<b>132</b>	<b>34</b>	<b>1.51</b>	<b>541</b>	<b>23.88</b>	<b>33.86</b>	<b>478</b>	<b>21.07</b>	<b>29.88</b>	<b>1019</b>	<b>44.95</b>	<b>63.74</b>	<b>70.52</b>	<b>76.35</b>
xxxxx	11	♂	2384	1699	140	35	1.46	586	24.58	34.49	512	21.47	30.13	1098	46.05	64.62	71.26	77.13
		♀	2106	1516	118	30	1.41	528	25.08	34.83	452	21.46	29.81	980	46.54	64.64	72.00	77.58
		♂	<b>2245</b>	<b>1607</b>	<b>129</b>	<b>32</b>	<b>1.44</b>	<b>557</b>	<b>24.81</b>	<b>34.65</b>	<b>482</b>	<b>21.47</b>	<b>29.98</b>	<b>1039</b>	<b>46.28</b>	<b>64.63</b>	<b>71.60</b>	<b>77.34</b>
xxxxx	12	♂	2393	1663	135	35	1.47	571	23.87	34.33	492	20.55	29.56	1063	44.42	63.89	69.53	75.18
		♀	1986	1389	118	29	1.45	475	23.94	34.23	410	20.63	29.50	885	44.57	63.72	69.94	75.86
		♂	<b>2189</b>	<b>1526</b>	<b>126</b>	<b>32</b>	<b>1.46</b>	<b>523</b>	<b>23.90</b>	<b>34.28</b>	<b>451</b>	<b>20.59</b>	<b>29.53</b>	<b>974</b>	<b>44.49</b>	<b>63.82</b>	<b>69.71</b>	<b>75.49</b>

**Statistical analysis - Cocks on the age of 32 days**

**Tab. No. 5a**

Test: 52

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	276	2271.99	201.80	8.88	12.15	0.53	0.38
XXXXX	2	279	2242.15	184.82	8.24	11.07	0.49	0.35
XXXXX	3	278	2212.99	188.84	8.53	11.33	0.51	0.37
XXXXX	4	270	2373.74	279.03	11.76	16.98	0.72	0.51
XXXXX	5	271	2236.46	175.87	7.86	10.68	0.48	0.34
XXXXX	6	278	2276.08	187.01	8.22	11.22	0.49	0.35
XXXXX	7	269	2364.50	243.41	10.29	14.84	0.63	0.45
XXXXX	8	274	2230.55	241.33	10.82	14.58	0.65	0.47
XXXXX	9	280	2245.79	211.74	9.43	12.65	0.56	0.40
XXXXX	10	275	2231.13	254.91	11.42	15.37	0.69	0.49
XXXXX	11	273	2268.35	225.77	9.95	13.66	0.60	0.43
XXXXX	12	277	2314.91	226.45	9.78	13.61	0.59	0.42

**Statistical analysis - Hens on the age of 32 days**

**Tab. No. 5b**

Test: 52

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	272	1980.18	250.28	12.64	15.18	0.77	0.55
xxxxx	2	275	1886.87	182.13	9.65	10.98	0.58	0.42
xxxxx	3	272	1907.87	202.98	10.64	12.31	0.65	0.46
xxxxx	4	278	2087.41	182.35	8.74	10.94	0.52	0.37
xxxxx	5	268	1869.59	154.94	8.29	9.46	0.51	0.36
xxxxx	6	265	1942.30	170.87	8.80	10.50	0.54	0.39
xxxxx	7	270	2055.15	187.89	9.14	11.43	0.56	0.40
xxxxx	8	270	2043.11	188.65	9.23	11.48	0.56	0.40
xxxxx	9	268	1928.10	281.24	14.59	17.18	0.89	0.64
xxxxx	10	273	2084.69	253.84	12.18	15.36	0.74	0.53
xxxxx	11	276	2033.01	228.70	11.25	13.77	0.68	0.49
xxxxx	12	274	1981.53	218.54	11.03	13.20	0.67	0.48