



MEZINÁRODNÍ TESTOVÁNÍ DRŮBEŽE  
státní podnik, ÚSTRAŠICE

---

390 02 Tábor 2

Tel.: 381 200 320

**4<sup>th</sup> part fattening test of the final product of L.  
international test of parents from of broilers**

**8. 6. 2022 - 10. 7. 2022**

Study Investigator: Ing. Hana Horná  
Ing. Markéta Krekulová

Ústrašice, August 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: 17 May 2022  
beginning of test: 8 June 2022  
end of the test: 10 July 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 900 hatching eggs. 560 broilers were sexed and placed always 280 females (in two pens) and 280 males (in two pens).

The parent flock is 59 – 60 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	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
<b>Nutrient content</b>				
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 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: 50

Part fattening: 4

Cross	Sample	Fertility	Hatchability		Birds housed	Average weight		
			Set	Fert.		hatch. eggs	1-day	
		%	%	%			♂	♀
					g	g	g	
XXXXXX	1	91.89	76.56	83.31	560	71.1	48.5	48.5
XXXXXX	2	96.56	80.22	83.08	560	69.3	48.5	48.3
XXXXXX	3	95.56	80.89	84.65	560	71.4	48.1	47.8
XXXXXX	4	86.89	70.33	80.95	560	69.5	48.6	48.4
XXXXXX	5	87.56	71.67	81.85	560	71.0	49.4	48.3
XXXXXX	6	90.00	71.33	79.26	560	71.2	49.2	49.2
XXXXXX	7	91.89	72.33	78.72	560	71.5	50.0	49.0
XXXXXX	8	91.11	76.89	84.39	560	72.0	49.2	48.4
XXXXXX	9	84.33	64.56	76.55	560	71.0	49.2	48.9
XXXXXX	10	93.78	79.00	84.24	560	73.5	50.5	49.7
XXXXXX	11	91.00	71.78	78.88	560	70.5	49.2	48.7
XXXXXX	12	92.33	75.44	81.71	560	72.8	49.8	49.8

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

**Tab. No. 2a**

Test: 50

Part fattening: 4

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	1	0.7	205.0	6	4.3	195.0	7	1.3	200.0
XXXXXX	2	3	2.1	214.2	7	5.0	200.8	10	1.8	207.5
XXXXXX	3	0	0.0	200.0	4	2.9	196.7	4	0.7	198.3
XXXXXX	4	4	2.9	214.2	4	2.9	200.8	8	1.4	207.5
XXXXXX	5	1	0.7	208.3	6	4.3	200.8	7	1.3	204.6
XXXXXX	6	2	1.4	215.8	1	0.7	199.2	3	0.5	207.5
XXXXXX	7	1	0.7	220.8	4	2.9	202.5	5	0.9	211.7
XXXXXX	8	1	0.7	203.3	2	1.4	201.7	3	0.5	202.5
XXXXXX	9	1	0.7	217.5	5	3.6	205.0	6	1.1	211.3
XXXXXX	10	1	0.7	216.7	7	5.0	204.2	8	1.4	210.5
XXXXXX	11	1	0.7	215.8	2	1.4	206.7	3	0.5	211.3
XXXXXX	12	0	0.0	211.7	4	2.9	198.3	4	0.7	205.0

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

**Tab. No. 2b**

Test: 50

Part fattening: 4

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	276	566.5	1106.5	265	545.2	1160.8	541	556.1	1132.6
xxxxx	2	273	578.8	1048.6	269	542.2	1093.6	542	560.6	1070.2
xxxxx	3	279	563.0	1109.0	271	546.7	1100.3	550	555.0	1104.8
xxxxx	4	274	577.5	1081.3	273	554.8	1118.4	547	566.2	1099.4
xxxxx	5	277	565.0	1136.1	272	543.3	1140.8	549	554.3	1138.4
xxxxx	6	274	586.7	1063.8	277	551.7	1118.4	551	569.1	1090.4
xxxxx	7	277	590.8	1061.3	276	554.2	1093.8	553	572.5	1077.0
xxxxx	8	274	549.3	1138.1	274	545.0	1129.0	548	547.2	1133.6
xxxxx	9	277	587.5	1083.3	268	550.0	1059.7	545	569.1	1072.1
xxxxx	10	278	559.2	1130.9	267	544.8	1166.6	545	552.1	1148.2
xxxxx	11	279	584.0	1062.4	278	555.0	1074.0	557	569.5	1068.0
xxxxx	12	274	555.8	1156.9	271	543.8	1163.0	545	549.9	1159.9



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

**Tab. No. 2c**

Test: 50

Part fattening: 4

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	270	2301.2	1467.5	260	2055.5	1498.4	530	2180.7	1481.8
xxxxx	2	265	2278.9	1484.0	266	1932.0	1455.0	531	2105.1	1470.6
xxxxx	3	277	2289.9	1437.0	270	2046.8	1434.7	547	2169.9	1436.0
xxxxx	4	272	2261.7	1482.0	270	1969.9	1502.8	542	2116.4	1491.6
xxxxx	5	274	2261.9	1503.0	264	2066.1	1441.7	538	2165.9	1474.3
xxxxx	6	268	2300.4	1484.8	275	2003.9	1487.5	543	2150.2	1486.1
xxxxx	7	275	2352.0	1449.6	274	1950.2	1477.3	549	2151.5	1462.1
xxxxx	8	271	2261.1	1441.3	269	2052.1	1492.5	540	2157.0	1465.6
xxxxx	9	273	2361.4	1451.3	268	2059.1	1454.6	541	2211.7	1452.8
xxxxx	10	269	2340.5	1463.8	265	2003.5	1504.0	534	2173.2	1482.2
xxxxx	11	275	2201.3	1480.4	275	1985.7	1470.8	550	2093.5	1475.9
xxxxx	12	265	2346.2	1480.7	264	2158.0	1467.4	529	2252.3	1474.3

**Mortality in the age 14 days**

**Tab. No. 3a**

Test: 50

Part fattening: 4

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	4	1.43	15	5.36	19	3.39											10			9
xxxxxx	2	7	2.50	11	3.93	18	3.21											14			4
xxxxxx	3	1	0.36	9	3.21	10	1.79											4			6
xxxxxx	4	6	2.14	7	2.50	13	2.32											7			6
xxxxxx	5	3	1.07	8	2.86	11	1.96											4			7
xxxxxx	6	6	2.14	3	1.07	9	1.61											8			1
xxxxxx	7	3	1.07	4	1.43	7	1.25											5			2
xxxxxx	8	6	2.14	6	2.14	12	2.14											2			10
xxxxxx	9	3	1.07	12	4.29	15	2.68										1	7			7
xxxxxx	10	2	0.71	13	4.64	15	2.68										1	2			12
xxxxxx	11	1	0.36	2	0.71	3	0.54											2			1
xxxxxx	12	6	2.14	9	3.21	15	2.68										1	10		1	3

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: 50

Part fattening: 4

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	19	3.39	11	1.96	30	5.36											19			11
xxxxx	2	18	3.21	11	1.96	29	5.18											23			6
xxxxx	3	10	1.79	3	0.54	13	2.32										1	6			6
xxxxx	4	13	2.32	5	0.89	18	3.21										1	10			7
xxxxx	5	11	1.96	11	1.96	22	3.93											12			10
xxxxx	6	9	1.61	8	1.43	17	3.04										3	11			3
xxxxx	7	7	1.25	4	0.71	11	1.96											8			3
xxxxx	8	12	2.14	8	1.43	20	3.57											8			12
xxxxx	9	15	2.68	4	0.71	19	3.39										2	10			7
xxxxx	10	15	2.68	11	1.96	26	4.64										1	11			14
xxxxx	11	3	0.54	7	1.25	10	1.79											8			2
xxxxx	12	15	2.68	16	2.86	31	5.54										2	22		1	6

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: 4

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	♂	2430	1708	147	51	2.09	558	22.94	32.65	515	21.19	30.15	1072	44.13	62.80	70.27	76.31
		♀	2171	1520	130	41	1.90	513	23.64	33.75	448	20.64	29.47	961	44.27	63.22	70.03	76.02
		♂	<b>2300</b>	<b>1614</b>	<b>138</b>	<b>46</b>	<b>2.00</b>	<b>535</b>	<b>23.27</b>	<b>33.17</b>	<b>481</b>	<b>20.93</b>	<b>29.83</b>	<b>1017</b>	<b>44.20</b>	<b>63.00</b>	<b>70.16</b>	<b>76.18</b>
xxxxx	2	♂	2317	1642	138	39	1.70	564	24.36	34.36	492	21.22	29.94	1056	45.58	64.30	70.88	76.85
		♀	1995	1395	120	29	1.44	473	23.74	33.95	421	21.09	30.16	894	44.82	64.11	69.92	75.94
		♂	<b>2156</b>	<b>1518</b>	<b>129</b>	<b>34</b>	<b>1.58</b>	<b>519</b>	<b>24.07</b>	<b>34.17</b>	<b>456</b>	<b>21.16</b>	<b>30.04</b>	<b>975</b>	<b>45.23</b>	<b>64.21</b>	<b>70.43</b>	<b>76.43</b>
xxxxx	3	♂	2323	1621	145	45	1.95	511	22.01	31.54	504	21.68	31.06	1015	43.69	62.60	69.79	76.03
		♀	2103	1460	129	44	2.10	476	22.65	32.63	443	21.07	30.35	920	43.72	62.98	69.42	75.54
		♂	<b>2213</b>	<b>1541</b>	<b>137</b>	<b>45</b>	<b>2.02</b>	<b>494</b>	<b>22.32</b>	<b>32.05</b>	<b>473</b>	<b>21.39</b>	<b>30.72</b>	<b>967</b>	<b>43.71</b>	<b>62.78</b>	<b>69.62</b>	<b>75.80</b>
xxxxx	4	♂	2258	1598	138	39	1.73	527	23.33	32.95	500	22.13	31.26	1026	45.46	64.21	70.80	76.89
		♀	2050	1458	121	32	1.54	494	24.08	33.86	440	21.48	30.21	934	45.56	64.07	71.10	76.98
		♂	<b>2154</b>	<b>1528</b>	<b>129</b>	<b>35</b>	<b>1.64</b>	<b>510</b>	<b>23.69</b>	<b>33.39</b>	<b>470</b>	<b>21.82</b>	<b>30.76</b>	<b>980</b>	<b>45.51</b>	<b>64.15</b>	<b>70.95</b>	<b>76.94</b>
xxxxx	5	♂	2308	1627	137	41	1.79	537	23.28	33.01	493	21.36	30.29	1030	44.64	63.30	70.51	76.46
		♀	2096	1477	125	39	1.85	498	23.75	33.70	441	21.04	29.86	939	44.79	63.56	70.48	76.42
		♂	<b>2202</b>	<b>1552</b>	<b>131</b>	<b>40</b>	<b>1.82</b>	<b>517</b>	<b>23.50</b>	<b>33.34</b>	<b>467</b>	<b>21.21</b>	<b>30.09</b>	<b>984</b>	<b>44.71</b>	<b>63.42</b>	<b>70.50</b>	<b>76.44</b>
xxxxx	6	♂	2244	1586	132	38	1.69	530	23.61	33.40	485	21.63	30.60	1015	45.25	64.01	70.69	76.59
		♀	2051	1446	123	34	1.68	501	24.42	34.65	428	20.84	29.57	928	45.26	64.22	70.48	76.47
		♂	<b>2147</b>	<b>1516</b>	<b>128</b>	<b>36</b>	<b>1.68</b>	<b>515</b>	<b>24.00</b>	<b>34.00</b>	<b>456</b>	<b>21.26</b>	<b>30.11</b>	<b>972</b>	<b>45.26</b>	<b>64.11</b>	<b>70.59</b>	<b>76.53</b>

Results of carcass analysis in 32 days

Tab. No. 4 (page 2)

Test: 50

Part fattening: 4

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	♂	2373	1701	140	40	1.70	577	24.33	33.93	521	21.96	30.64	1099	46.29	64.57	71.69	77.61
		♀	1988	1408	125	31	1.57	475	23.88	33.73	415	20.88	29.48	890	44.76	63.21	70.81	77.09
		♂	<b>2181</b>	<b>1555</b>	<b>133</b>	<b>36</b>	<b>1.64</b>	<b>526</b>	<b>24.13</b>	<b>33.84</b>	<b>468</b>	<b>21.47</b>	<b>30.11</b>	<b>994</b>	<b>45.59</b>	<b>63.95</b>	<b>71.29</b>	<b>77.37</b>
xxxxx	8	♂	2333	1652	144	46	1.96	528	22.62	31.94	504	21.61	30.51	1032	44.23	62.45	70.84	77.02
		♀	2096	1505	128	39	1.86	501	23.89	33.26	452	21.56	30.01	952	45.45	63.28	71.82	77.93
		♂	<b>2214</b>	<b>1579</b>	<b>136</b>	<b>42</b>	<b>1.91</b>	<b>514</b>	<b>23.22</b>	<b>32.57</b>	<b>478</b>	<b>21.58</b>	<b>30.27</b>	<b>992</b>	<b>44.81</b>	<b>62.84</b>	<b>71.30</b>	<b>77.45</b>
xxxxx	9	♂	2401	1720	143	45	1.89	579	24.12	33.67	526	21.91	30.58	1105	46.03	64.25	71.64	77.57
		♀	2157	1559	128	37	1.72	533	24.73	34.21	478	22.15	30.65	1011	46.88	64.86	72.28	78.21
		♂	<b>2279</b>	<b>1639</b>	<b>135</b>	<b>41</b>	<b>1.81</b>	<b>556</b>	<b>24.41</b>	<b>33.93</b>	<b>502</b>	<b>22.02</b>	<b>30.61</b>	<b>1058</b>	<b>46.43</b>	<b>64.54</b>	<b>71.94</b>	<b>77.87</b>
xxxxx	10	♂	2420	1700	147	52	2.15	552	22.80	32.44	523	21.60	30.74	1074	44.40	63.18	70.28	76.37
		♀	2072	1446	128	43	2.08	469	22.63	32.44	437	21.07	30.21	906	43.71	62.65	69.77	75.95
		♂	<b>2246</b>	<b>1573</b>	<b>138</b>	<b>47</b>	<b>2.11</b>	<b>510</b>	<b>22.72</b>	<b>32.44</b>	<b>480</b>	<b>21.36</b>	<b>30.49</b>	<b>990</b>	<b>44.08</b>	<b>62.93</b>	<b>70.04</b>	<b>76.18</b>
xxxxx	11	♂	2327	1652	139	38	1.64	550	23.62	33.26	507	21.80	30.70	1057	45.42	63.96	71.02	76.98
		♀	2045	1439	125	30	1.45	486	23.77	33.78	439	21.48	30.53	925	45.25	64.31	70.36	76.50
		♂	<b>2186</b>	<b>1546</b>	<b>132</b>	<b>34</b>	<b>1.55</b>	<b>518</b>	<b>23.69</b>	<b>33.50</b>	<b>473</b>	<b>21.65</b>	<b>30.62</b>	<b>991</b>	<b>45.34</b>	<b>64.12</b>	<b>70.71</b>	<b>76.76</b>
xxxxx	12	♂	2446	1725	145	49	2.01	559	22.84	32.38	526	21.49	30.46	1084	44.33	62.84	70.53	76.45
		♀	2263	1625	132	45	1.98	539	23.83	33.17	481	21.25	29.59	1020	45.08	62.76	71.82	77.65
		♂	<b>2354</b>	<b>1675</b>	<b>138</b>	<b>47</b>	<b>1.99</b>	<b>549</b>	<b>23.31</b>	<b>32.77</b>	<b>503</b>	<b>21.37</b>	<b>30.04</b>	<b>1052</b>	<b>44.69</b>	<b>62.81</b>	<b>71.15</b>	<b>77.03</b>

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

**Tab. No. 5a**

Test: 50

Part fattening: 4

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	270	2301.19	295.25	12.83	17.97	0.78	0.56
xxxxx	2	265	2278.94	245.06	10.75	15.05	0.66	0.47
xxxxx	3	277	2289.89	241.87	10.56	14.53	0.63	0.45
xxxxx	4	272	2261.73	237.48	10.50	14.40	0.64	0.46
xxxxx	5	274	2261.93	276.37	12.22	16.70	0.74	0.53
xxxxx	6	268	2300.45	274.65	11.94	16.78	0.73	0.52
xxxxx	7	275	2352.00	253.07	10.76	15.26	0.65	0.46
xxxxx	8	271	2261.11	266.52	11.79	16.19	0.72	0.51
xxxxx	9	273	2361.39	248.06	10.50	15.01	0.64	0.46
xxxxx	10	269	2340.48	253.20	10.82	15.44	0.66	0.47
xxxxx	11	275	2201.35	258.12	11.73	15.57	0.71	0.51
xxxxx	12	265	2346.19	293.98	12.53	18.06	0.77	0.55

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

**Tab. No. 5b**

Test: 50

Part fattening: 4

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	260	2055.54	247.69	12.05	15.36	0.75	0.54
xxxxx	2	266	1931.95	203.46	10.53	12.47	0.65	0.46
xxxxx	3	270	2046.81	238.55	11.65	14.52	0.71	0.51
xxxxx	4	270	1969.93	212.77	10.80	12.95	0.66	0.47
xxxxx	5	264	2066.14	213.93	10.35	13.17	0.64	0.46
xxxxx	6	275	2003.85	227.19	11.34	13.70	0.68	0.49
xxxxx	7	274	1950.18	242.50	12.43	14.65	0.75	0.54
xxxxx	8	269	2052.08	233.47	11.38	14.24	0.69	0.50
xxxxx	9	268	2059.14	228.69	11.11	13.97	0.68	0.49
xxxxx	10	265	2003.47	230.88	11.52	14.18	0.71	0.51
xxxxx	11	275	1985.75	241.03	12.14	14.53	0.73	0.53
xxxxx	12	264	2157.99	270.31	12.53	16.64	0.77	0.55