



MEZINÁRODNÍ TESTOVÁNÍ DRŮBEŽE ÚSTRAŠICE

státní podnik

390 02 Tábor 2

Česká republika

BROILER FEEDING TEST No. 8/2020

the effect of the administration of a preparation based on
[REDACTED] and [REDACTED] on the performance
parameters and health status of broiler chickens

[REDACTED]

12 August– 15 September 2020

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Dohlížitel:

[REDACTED]

October 2020
Říjen 2020

Veterinary precautions:

The chicken house was disinfected by [REDACTED] before the chick placement. On day 1 chickens were vaccinated with [REDACTED].

Feed: Feed was produced in Mezinárodní testování drůbeže, s.p.

Day 1 – 14 Starter (BR1)

Day 15 – 28 Grower (BR2)

Day 29 – 35 Finisher (BR3)

Diet formulas

Components (%)	Starter BR1	Grower BR2	Finisher BR3
Wheat	10.00	10.00	10.00
Maize	28.54	34.68	38.36
Soybeanmeal	38.95	31.72	26.55
Barley	15.00	15.00	15.00
Soybeanoil	3.30	4.50	6.00
L-lysineHCl	0.38	0.32	0.30
DL-methionine	0.07	0.05	0.06
L-threonine	0.02	0.02	0.02
Limestone	1.60	1.60	1.60
Salt	0.26	0.26	0.26
MCP	1.20	1.20	1.20
Na ₂ CO ₃	0.18	0.15	0.15
Premix AMV BR1 Plus	0.50	-	-
Premix AMV BR2 Plus	-	0.50	-
Premix AMV BR3 Plus	-	-	0.50
Nutrient content			
Crude protein (g/kg)	236.03	207.91	187.44
ME (MJ/kg)	11.44	11.89	12.34
Lysine (g/kg)	14.38	12.24	10.87
Methionine (g/kg)	5.99	5.10	4.68
Met.+Cys. (g/kg)	9.17	8.01	7.38
Ca (g/kg)	10.20	10.01	9.88
P (g/kg)	6.96	6.66	6.42
Na (g/kg)	1.56	1.47	1.47

Feed analyses for nutrient contents were performed at the laboratory of [REDACTED]
[REDACTED]:

	Starter BR1	Grower BR2	Finisher BR3
Crude protein (g/kg)	227.00	201.00	181.00
Dry matter (%)	90.64	90.44	90.43
Fat (g/kg)	45.70	61.60	74.50
Crude fibre (g/kg)	3.51	25.60	25.30
Starch (g/kg)	372.00	402.00	406.00
P (g/kg)	7.11	6.85	6.42
Ca (g/kg)	12.10	10.20	9.83
ME (MJ/kg)	12.10	12.60	12.90

Parameters recorded and methods applied

Live weight

Live weight was measured on days 1 (all the birds in each pen were weighed altogether), 3, 14, 28 and 35 (all the birds were weighed individually, without fasting).

Weight gain

Weight gain per phase and average daily weight gains were calculated for the periods 3 – 14 days, 15 – 28 days, 29 – 35 days and for the overall experiment 1 – 35 days.

Feed conversion ratio

Feed consumption and feed conversion ratio to gain ratio were calculated for the periods 1 – 14 days, 15 – 28 days, 29 – 35 days and for the overall experiment 1 – 35 days. The calculation was included weight of deaths.

Feed consumption

Feed consumption was measured per pen for the feed –starter, grower and finisher.

Mortality

All pens were checked twice 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. Mortality was recorded for the periods 1 – 14 days, 15 – 28 days, 29 – 35 days and 1 – 35 days.

Statistical analyses

Performance results of live weight (on days 1, 3, 14, 28, 35) were statistically evaluated using the ANOVA single-factor model (Duncan test, Scheffe test). Daily weight gain and feed conversion ratio were statistically evaluated using ANOVA (Duncan test, Scheffe test) or nonparametric method (Kruskal-Wallis test).

Results

Tab. No.	1 Hatchability
	2 Performance results:
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	2b Weight gain
	2c Feed conversion per 1 kg of live weight
	2d Feed conversion per 1 kg of weight gain
	2e Feed consumption
	3 Mortality
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	10a Body weight
	10b Weight gain
	10c Feed conversion per 1 kg of live weight
	10d Feed conversion per 1 kg of weight gain
	10e Feed consumption
	10f Foot pad lesions

Results of incubation and hatching

Tab. No. 1

Sample	No.	Fertility	Hatchability		Birds housed	Averageweight	
			Set eggs	Fertile eggs		Hatching eggs	Day old chicks
		%	%	%		g	g
T1	1	89.61	82.14	91.66	168	68.00	47.62
T2	2				168		48.21
T3	3				168		47.62
T4	4				168		48.21
T5	5				168		48.21

Body weight per phases

Tab. No. 2a

Sample	No.	Day 1		Day3		Day14		Day28		Day35	
		Birds	Average body weight	Birds	Average body weight	Birds	Average body weight	Birds	Average body weight	Birds	Average body weight
			g		g		g		g		
T1	1	168	47.62	168	96.41	136	513.07	111	1586.23	109	2216.33
T2	2	168	48.21	168	94.53	141	491.23	115	1489.44	114	2076.96
T3	3	168	47.62	168	94.86	140	507.80	115	1548.03	115	2062.97
T4	4	168	48.21	168	96.82	141	496.79	115	1546.29	115	2153.40
T5	5	168	48.21	168	96.18	139	501.40	114	1516.29	113	2118.27

Weightgain per phases

Tab. No. 2b

Treatment	Tr. No.	Day3 - 14	Day15 - 28	Day29 - 35	Day3 - 35
		Weight gain per phase	Weight gain per phase	Weigh tgain per phase	Weight gain per phase
		g	g	g	g
T1	1	416.68	1074.41	631.49	2120.43
T2	2	396.94	1000.66	585.00	1982.52
T3	3	413.19	1038.48	514.94	1968.19
T4	4	400.02	1047.57	607.11	2056.56
T5	5	405.36	1018.89	601.27	2022.93

Feed conversion (Feed consumption per 1 kg of live weight)**Tab. No. 2c**

Sample	No.	Feed conversion ratio		
		Day14	Day 28	Day35
		g/kg LW	g/kg LW	g/kg LW
T1	1	1126.23	1356.20	1477.65
T2	2	1117.66	1383.79	1513.76
T3	3	1091.29	1348.61	1573.86
T4	4	1125.50	1344.27	1482.07
T5	5	1103.94	1343.92	1486.52

Feed conversion per 1 kg of weight gain (WG)**Tab. No. 2d**

Sample	No.	Feed consumption per 1 kg of weight gain			
		Day 1-14	Day 15-28	Day 29-35	Day1-35
		g/kg weight gain	g/kg weight gain	g/kg weight gain	g/kg weight gain
T1	1	1245.48	1517.35	1832.28	1522.39
T2	2	1240.23	1573.44	1897.64	1561.74
T3	3	1206.81	1528.85	2345.57	1623.41
T4	4	1247.97	1494.16	1882.75	1527.42
T5	5	1223.95	1514.93	1903.67	1533.13

Feed consumption per phases**Tab. No. 2e**

Sample	No.	Feed consumption			
		Starter (1-14days)	Grower (15-28days)	Finisher (29-35days)	Total
		kg	kg	kg	kg
T1	1	94.10	180.93	127.25	402.28
T2	2	91.60	180.96	126.55	399.11
T3	3	91.20	182.40	138.90	412.50
T4	4	92.90	180.00	131.45	404.35
T5	5	91.20	175.63	129.20	396.03

Mortality

Tab.No. 3

Sample	No.	Mortality in the period									Mortality according causes														
		Day 1-14		Day15-28		Day29-35		Day1-35			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		birds	g	birds	g	birds	g	birds	g	%															
T1	1	8	1753	1	479	2	3941	11	6173	6.55									8					3	48
T2	2	3	754	2	814	1	1201	6	2769	3.57									6						48
T3	3	4	902	1	404	0	0	5	1306	2.98									5						48
T4	4	3	429	2	990	0	0	5	1419	2.98									5						48
T5	5	5	989	1	334	1	1361	7	2684	4.17									7						48

Causes:

- 1 –Viral diseases
- 2 –Bacterial diseases
- 3 –Fungal diseases
- 4 –Parasitary diseases
- 5 - Tumors

- 6 - Injuries
- 7 - Digestive tract diseases
- 8 –Respiratory tract diseases
- 9 –Reproduction tract diseases
- 10 –Locomotion apparatus diseases

- 11 –Sudden death syndrome
- 12 - Cannibalism
- 13 –Diverticulus inflammation
- 14 - Culling and other causes
- 15 – Sampling (excluded of calculation)

Foot pad lesions

Tab. No. 4

Sample	No.	Evaluation	
		Right foot	Left foot
T1	1	3.02	2.99
T2	2	2.88	2.84
T3	3	2.89	2.91
T4	4	2.83	2.84
T5	5	2.95	2.96

Statistical analysis– Body weightat 35 days of age**Tab. No. 5**

Sample	No.	Number of birds	Average body weight	Standard deviation	Coefficient of variation
			g/birds	g/birds	%
T1	1	109	2216.33	273.48	12.34
T2	2	114	2076.96	285.59	13.75
T3	3	115	2062.97	283.56	13.75
T4	4	115	2153.40	268.75	12.48
T5	5	113	2118.27	314.51	14.85

Statistical analyses of performance results

Performance results were statistically evaluated using the ANOVA model (Duncan test, Scheffe test) or nonparametric test ((Kruskal-Wallis test).

The following symbols are used for levels of significance:

- $p \leq 0,001$ * * * - differences are very high significant
 $p \leq 0,01$ * * - differences are high significant
 $p \leq 0,05$ * - differences are significant
 $p > 0,05$ o - differences are not significant

Body weight - day 1

Tab. No. 6a

Treatment	Treat. No.	No. of box	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	4	47.62	0.97		o	o	o	o
T2	2	4	48.21	0.69	0.355415		o	o	o
T3	3	4	47.62	0.97	1.000000	0.363054		o	o
T4	4	4	48.21	0.69	0.317173	1.000000	0.342068		o
T5	5	4	48.21	0.69	0.342068	1.000000	0.355415	1.000000	

Body weight - day 3

Tab. No. 6b

Treatment	Treat. No.	Birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	168	96.41	7.72		o	o	o	o
T2	2	168	94.53	7.72	0.368212		o	o	o
T3	3	168	94.86	8.11	0.569808	0.997968		o	o
T4	4	168	96.82	8.57	0.995360	0.176031	0.325249		o
T5	5	168	96.18	9.36	0.999475	0.509221	0.713707	0.974183	

Body weight - day 14**Tab. No. 6c**

Treatment	Treat. No.	Birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	136	513.07	61.81		o	o	o	o
T2	2	141	491.23	58.15	0.114961		o	o	o
T3	3	140	507.80	71.34	0.979623	0.361181		o	o
T4	4	141	496.79	56.45	0.387837	0.974203	0.750173		o
T5	5	139	501.40	81.72	0.714289	0.802917	0.957740	0.987439	

Body weight - day 28**Tab. No. 6d**

Treatment	Treat. No.	Birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	111	1586.23	187.08		**	o	o	o
T2	2	115	1489.44	184.45	0.008976		o	o	o
T3	3	115	1548.03	182.26	0.712230	0.278859		o	o
T4	4	115	1546.29	189.56	0.675898	0.309992	0.999997		o
T5	5	114	1516.29	235.52	0.132083	0.899582	0.828333	0.856089	

Body weight - day 35**Tab. No. 6e**

Treatment	Treat. No.	Birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	109	2216.33	273.48		*	**	o	o
T2	2	114	2076.96	285.59	0.010633		o	o	o
T3	3	115	2062.97	283.56	0.003113	0.997745		o	o
T4	4	115	2153.40	268.75	0.606690	0.393613	0.219150		o
T5	5	113	2118.27	314.51	0.164035	0.880026	0.710757	0.929841	

Average weight gain (day 3-14)

Tab. No. 7a

Treatment	Treat. No.	Birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	136	416.68	59.20		o	o	o	o
T2	2	141	396.94	54.53	0.149281		o	o	o
T3	3	140	413.19	66.87	0.994777	0.324822		o	o
T4	4	141	400.02	53.40	0.306222	0.996655	0.547851		o
T5	5	139	405.36	78.06	0.696453	0.870159	0.898181	0.973276	

Average weight gain (day 15-28)

Tab. No. 7b

Treatment	Treat. No.	Birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	111	1074.41	156.53		*	o	o	o
T2	2	115	1000.66	155.85	0.024640		o	o	o
T3	3	115	1038.48	145.64	0.613947	0.555464		o	o
T4	4	115	1047.57	164.98	0.827809	0.327407	0.996409		o
T5	5	114	1018.89	197.68	0.175599	0.951443	0.937599	0.785844	

Average weight gain (day 29-35)

Tab. No. 7c

Treatment	Treat. No.	Birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	109	631.49	175.63		o	***	o	o
T2	2	114	585.00	216.24	0.510379		o	o	o
T3	3	115	514.94	188.71	0.000406	0.105270		*	*
T4	4	115	607.11	189.40	0.923056	0.942844	0.010190		o
T5	5	113	601.27	182.71	0.846419	0.981535	0.021272	0.999650	

Average weight gain (day 3-35)

Tab. No. 7d

Treatment	Treat. No.	Birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	109	2120.43	272.40		*	**	o	o
T2	2	114	1982.52	282.95	0.010940		o	o	o
T3	3	115	1968.19	281.68	0.003083	0.997442		o	o
T4	4	115	2056.56	265.47	0.584717	0.419455	0.233305		o
T5	5	113	2022.93	312.03	0.162139	0.885437	0.712489	0.937974	

FCR 14**Tab. No. 8a**

Treatment	Treat. No.	No. of box	Average (g/kg live weight)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	4	1125.89	41.52		o	o	o	o
T2	2	4	1117.90	26.33	0.841406		o	o	o
T3	3	4	1092.78	47.82	0.431144	0.531130		o	o
T4	4	4	1125.37	22.90	0.989002	0.843250	0.431145		o
T5	5	4	1108.03	92.36	0.664059	0.793992	0.686905	0.664619	

FCR 28**Tab. No. 8b**

Treatment	Treat. No.	No. of box	Average (g/kg live weight)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	4	1358.55	62.56		o	o	o	o
T2	2	4	1384.57	26.68	0.568181		o	o	o
T3	3	4	1350.09	44.22	0.852058	0.475016		o	o
T4	4	4	1345.21	67.54	0.787184	0.435991	0.919426		o
T5	5	4	1348.61	93.36	0.835872	0.469002	0.974090	0.940341	

FCR 35**Tab. No. 8c**

Treatment	Treat. No.	No. of box	Average (g/kg live weight)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	4	1477.99	28.56		o	o	o	o
T2	2	4	1513.56	38.75	0.535535		o	o	o
T3	3	4	1582.05	138.25	0.087132	0.204686		o	o
T4	4	4	1482.30	30.84	0.934674	0.575087	0.094204		o
T5	5	4	1488.48	65.43	0.850404	0.634319	0.105261	0.906449	

FCR weight gain - day 1-14

Tab. No. 9a

Treatment	Treat. No.	No. of box	Average (g/kg live weight)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	4	1245.17	46.11		o	o	o	o
T2	2	4	1240.57	31.32	0.918536		o	o	o
T3	3	4	1209.04	60.07	0.462928	0.509342		o	o
T4	4	4	1247.87	25.36	0.952135	0.878093	0.437943		o
T5	5	4	1229.37	110.19	0.739836	0.803434	0.651963	0.705483	

FCR weight gain - day 15-28

Tab. No. 9b

Treatment	Treat. No.	No. of box	Average (g/kg live weight)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	4	1523.48	100.79		o	o	o	o
T2	2	4	1576.87	67.31	0.449217		o	o	o
T3	3	4	1531.50	70.46	0.903734	0.496530		o	o
T4	4	4	1496.15	106.79	0.696760	0.278637	0.624492		o
T5	5	4	1521.38	106.28	0.974811	0.444614	0.885442	0.703848	

FCR weight gain - day 29-35

Tab. No. 9c

Treatment	Treat. No.	No. of box	Average (g/kg live weight)	Standard deviation	Kruskal-Wallis test				
					T1	T2	T3	T4	T5
T1	1	4	1840.52	157.29		o	o	o	o
T2	2	4	1909.41	247.41	1.000000		o	o	o
T3	3	4	2602.34	1103.88	0.942643	1.000000		o	o
T4	4	4	1907.17	208.66	1.000000	1.000000	1.000000		o
T5	5	4	1923.01	265.79	1.000000	1.000000	1.000000	1.000000	

FCR weight gain - day 1-35

Tab. No. 9d

Treatment	Treat. No.	No. of box	Average (g/kg live weight)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	4	1522.78	30.74		o	o	o	o
T2	2	4	1561.57	40.26	0.524280		o	o	o
T3	3	4	1632.39	147.08	0.089150	0.215672		o	o
T4	4	4	1527.71	31.82	0.929531	0.567128	0.097468		o
T5	5	4	1535.29	69.19	0.832058	0.638379	0.112404	0.891988	

Body weight (BW) per box

Tab. No. 10a

Sample	No.	Box No.	Day 1		Day3		Day14		Day28		Day35	
			Birds	BW	Birds	BW	Birds	BW	Birds	BW	Birds	BW
				g		g		g		g		
T1	1	1	42	46.43	42	91.40	32	527.78	26	1580.23	25	2292.64
		6	42	47.62	42	98.88	36	507.06	29	1666.86	29	2208.97
		12	42	48.81	42	98.79	35	503.74	29	1504.14	28	2148.43
		16	42	47.62	42	96.57	33	515.27	27	1593.59	27	2224.00
T2	2	2	42	48.81	42	92.45	35	496.37	28	1442.71	28	2024.57
		7	42	48.81	42	96.29	36	488.06	30	1545.53	30	2050.40
		11	42	47.62	42	96.10	35	496.69	28	1505.96	28	2149.18
		17	42	47.62	42	93.29	35	483.91	29	1460.59	28	2085.57
T3	3	3	42	48.81	42	94.76	35	501.14	29	1587.31	29	2197.07
		8	42	46.43	42	94.43	34	563.79	28	1659.21	28	2201.39
		14	42	47.62	42	93.48	36	478.31	29	1436.69	29	2063.83
		19	42	47.62	42	96.76	35	490.40	29	1512.76	29	1794.38
T4	4	4	42	48.81	42	94.57	35	508.11	29	1558.31	29	2108.90
		10	42	47.62	42	98.48	36	500.83	28	1624.04	28	2179.75
		13	42	48.81	42	98.60	36	493.44	30	1494.97	30	2219.70
		18	42	47.62	42	95.62	34	484.41	28	1511.07	28	2102.11
T5	5	5	42	47.62	42	94.86	33	469.79	27	1509.07	27	2103.44
		9	42	47.62	42	95.45	35	544.31	29	1657.83	29	2179.59
		15	42	48.81	42	95.12	36	476.86	29	1381.93	28	2021.18
		20	42	48.81	42	99.29	35	513.51	29	1515.83	29	2164.52

Weight gain per phases per box

Tab. No. 10b

Treatment	Tr. No.	Box No.	Day3 - 14	Day15 - 28	Day29 - 35	Day3 - 35
			Weightgain per phase	Weightgain per phase	Weightgain per phase	Weightgain per phase
			g	g	g	g
T1	1	1	435.84	1058.65	718.52	2200.72
		6	408.72	1160.10	542.10	2111.45
		12	406.09	1001.76	647.39	2051.61
		16	418.00	1075.56	630.41	2127.11
T2	2	2	405.29	948.93	581.86	1933.32
		7	391.72	1065.93	504.87	1953.63
		11	400.74	1010.32	643.21	2053.25
		17	390.17	973.76	615.79	1991.93
T3	3	3	406.49	1089.28	609.76	2102.76
		8	469.26	1085.86	542.18	2106.61
		14	384.94	959.97	627.14	1969.90
		19	394.46	1020.45	281.62	1698.28
T4	4	4	412.89	1047.62	550.59	2013.31
		10	402.39	1118.93	555.71	2080.75
		13	395.83	1000.37	724.73	2122.40
		18	388.71	1026.71	591.04	2006.61
T5	5	5	374.82	1049.59	594.37	2008.30
		9	449.00	1109.31	521.76	2084.62
		15	382.72	917.21	641.14	1929.25
		20	413.80	1001.59	648.69	2065.31

Feed conversion (Feed consumption per 1 kg of live weight) per box

Tab. No. 10c

Sample	No.	Box no.	Feed conversion ratio		
			Day14	Day 28	Day35
			g/kg LW	g/kg LW	g/kg LW
T1	1	1	1127.86	1369.86	1463.01
		6	1100.84	1268.05	1445.90
		12	1183.66	1410.15	1508.07
		16	1091.22	1386.15	1494.97
T2	2	2	1127.69	1412.33	1526.77
		7	1119.35	1350.60	1556.46
		11	1081.30	1397.45	1506.90
		17	1143.24	1377.89	1464.12
T3	3	3	1136.36	1320.39	1462.39
		8	1026.14	1304.48	1543.41
		14	1115.60	1393.63	1540.79
		19	1093.00	1381.85	1781.61
T4	4	4	1110.53	1275.55	1441.13
		10	1125.94	1302.07	1491.07
		13	1157.51	1419.08	1481.83
		18	1107.48	1384.15	1515.17
T5	5	5	1217.93	1424.13	1580.50
		9	994.38	1215.80	1439.28
		15	1127.11	1401.43	1489.86
		20	1092.70	1353.08	1444.28

Feed conversion per 1 kg of weight gain (WG) per box

Tab. No. 10d

Sample	No.	Box no.	Feed consumption per 1 kg of weight gain			
			1-14days	15-28days	29-35days	1-35days
			g/kg WG	g/kg WG	g/kg WG	g/kg WG
T1	1	1	1243.49	1554.22	1706.14	1506.82
		6	1214.90	1373.98	2067.30	1488.03
		12	1310.89	1574.82	1779.11	1554.74
		16	1211.39	1590.91	1809.53	1541.53
T2	2	2	1250.73	1635.56	1859.81	1577.54
		7	1244.61	1497.90	2267.93	1605.21
		11	1196.57	1630.05	1804.55	1553.27
		17	1270.36	1543.96	1705.34	1510.26
T3	3	3	1260.53	1441.64	1883.16	1506.45
		8	1123.92	1509.67	2374.68	1588.97
		14	1239.33	1594.57	1927.20	1588.99
		19	1212.39	1580.10	4224.32	1845.16
T4	4	4	1231.36	1389.03	1972.82	1486.45
		10	1244.16	1420.41	2127.25	1536.29
		13	1284.80	1599.41	1628.19	1524.99
		18	1231.16	1575.76	1900.42	1563.12
T5	5	5	1359.44	1563.92	2043.87	1631.82
		9	1093.45	1367.73	2240.43	1482.00
		15	1254.84	1610.82	1719.99	1538.84
		20	1209.76	1543.04	1687.75	1488.48

Feed consumption per box

Tab. No. 10e

Sample	No.	Box No.	Feed consumption			
			Starter (1-14days)	Grower (15-28days)	Finisher (29-35days)	Total
			kg	kg	kg	kg
T1	1	1	23.65	42.78	31.70	98.13
		6	23.45	46.20	32.50	102.15
		12	25.00	45.75	32.25	103.00
		16	22.00	46.20	30.80	99.00
T2	2	2	23.50	43.46	30.30	97.26
		7	22.80	47.90	34.35	105.05
		11	22.45	46.00	32.50	100.95
		17	22.85	43.60	29.40	95.85
T3	3	3	23.65	45.54	33.30	102.49
		8	23.00	45.90	36.05	104.95
		14	22.35	44.20	35.05	101.60
		19	22.20	46.76	34.50	103.46
T4	4	4	23.20	42.20	31.50	96.90
		10	23.70	44.50	33.10	101.30
		13	23.95	48.00	35.40	107.35
		18	22.05	45.30	31.45	98.80
T5	5	5	23.40	44.32	32.80	100.52
		9	21.95	44.00	33.90	99.85
		15	22.70	42.50	30.75	95.95
		20	23.15	44.81	31.75	99.71

Foot pad lesions

Tab. No. 10f

Sample	No.	Box	evaluation	
			Right foot	Left foot
T1	1	1	2.72	2.72
		6	3.59	3.62
		12	2.79	2.68
		16	2.93	2.89
T2	2	2	3.21	3.25
		7	2.90	2.87
		11	3.18	3.07
		17	2.21	2.18
T3	3	3	3.48	3.38
		8	2.75	2.86
		14	2.97	2.93
		19	2.34	2.48
T4	4	4	3.24	3.21
		10	2.82	2.96
		13	2.80	2.63
		18	2.43	2.57
T5	5	5	2.93	2.93
		9	3.14	3.14
		15	2.57	2.68
		20	3.14	3.07