



MEZINÁRODNÍ TESTOVÁNÍ DRŮBEŽE ÚSTRAŠICE

státní podnik

390 02 Tábor 2

Česká republika

BROILER FEEDING TEST No. 1245

Testing effects of products via water

XXXXX

29 July – 2 September 2025

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Material and methods

Test term

Beginning of the test: 29 July 2025 (transfer to the chicken house)

End of the test: 2 September 2025

Birds

In total there were 8460 day old chicks (males) of xxxxx Day-old chicks were randomly distributed into 5 dietary treatments with 12 replicates per treatment and 141 chicken per replicate.

Origin 1-day old chicks:

breeder company – xxxxx

parent flock – xxxxx

age of the breeding flock – 51 weeks

Experimental treatments:

Tr. No.	Tr.	Description
1	T1	xxxxxx
2	T2	xxxxxx
3	T3	xxxxxx
4	T4	xxxxxx
5	T5	xxxxxx

Housing system

Chickens were kept in the windowless chicken house with full climatic control, on deep litter. The heating program was conducted according to the Manual of Ross Broilers. Drinking water was supplied ad libitum by nipple drinkers. Each pen was equipped with manually filled tube feeders. Bedding material was wood shaving.

Light was provided as follows during the experimental period:

Lighting programme: Day 1 – 7	23 hours of light + 1 hour of darkness
Day 8 – 32	18 hours of light + 6 hours of darkness
Day 33 – 35	23 hours of light + 1 hour of darkness

Stocking density: 17.3 broilers per square meter

The conduct of the trial was conformed to the national welfare legislation.

Veterinary precautions

The chicken house was disinfected with xxxxx before the chick placement.

On days 1 and 12 the chicken were vaccinated with xxxxx.

Feed

Feed was produced by International Poultry Testing Station Ústřašice

Day 1 – 10 Starter (BR 1)

Day 11 – 28 Grower (BR 2)

Day 29 – 35 Finisher (BR 3)

Diet formulas:

Components (%)	Starter BR1	Grower1 BR2	Grower2 BR2	Finisher BR3
Wheat	38.249	46.308	47.000	47.972
Soybean extr. groats	36.95	31.70	30.35	28.80
Maize	17.00	16.00	15.00	15.00
Soybean oil	2.24	1.99	1.38	2.56
Fish meal	1.50			
Limestone	1.24	1.05	1.02	0.95
MCP	0.63	0.37	0.34	0.21
Salt	0.21	0.23	0.23	0.23
DL-methionin	0.41	0.37	0.36	0.35
L-lysine	0.33	0.38	0.35	0.36
L-threonin	0.12	0.11	0.09	0.09
Na ₂ CO ₃	0.11	0.13	0.13	0.12
Animal fat	-	0.50	2.90	2.80
AMV BR1 0,3 %	0.30	-	-	-
AMV BR2 0,3 %	-	0.30	0.30	-
AMV BR3 0,2 %	-	-	-	0.20
Premix of vitamins, enzymes	0.71	0.56	0.55	0.36
Nutrient content				
Crude protein (g/kg)	229.39	205.75	199.25	193.44
ME (MJ/kg)	11.94	12.09	12.54	12.93
Lysine dig. (g/kg)	13.08	11.70	11.21	10.89
Methionine dig. (g/kg)	6.61	5.88	5.71	5.56
Met. + Cys. dig. (g/kg)	9.96	9.04	8.78	8.55
Ca phyt. (g/kg)	9.41	7.78	7.59	7.00
P dig. (g/kg)	4.71	3.89	3.80	3.50
Na (g/kg)	1.70	1.66	1.66	1.63
Vitamin A (IU/kg)	15000	10000	10000	10000
Vitamin D3 (IU/kg)	5000	5000	5000	5000

Feed analyses for nutrient contents were performed at the laboratory of xxxxx

	Starter BR1	Grower1 BR2	Grower2 BR2	Finisher BR3
Crude protein (g/kg)	229	201	196	194
Dry matter (%)	89.9	89.5	89.2	89.5
Fat (g/kg)	51.9	43.9	67.2	76.4
Starch (g/kg)	384	417	413	420
Reducing sugars (g/kg)	49.5	45.7	44.8	42.3
P dig. (g/kg)	5.70	4.60	4.51	4.14
Ca (g/kg)	8.80	6.51	6.17	5.42
ME (MJ/kg)	12.4	12.2	12.8	13.2

Parameters recorded and methods applied

Live weight

Live weight was measured on day 1 and on day 10 (all the birds in each pen were weighed altogether). On day 20 and 28 of age birds were weighed individually, without fasting. On day 35 birds were weighed individually, after 12 hours of fasting.

Feed consumption

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

Weight gain

Weight gain per phase and average daily weight gains were calculated for the periods 1 – 10 days, 11 – 20 days, 21 – 28 days, 29 – 35 days and for the overall experiment (1 – 35 days).

Feed conversion ratio

Feed conversion ratio was calculated as feed consumption per 1 kg of live weight and per 1 kg of weight gain for the periods 1 – 10 days, 11 – 20 days, 21 – 28 days, 29 – 35 days and for the overall experiment (1 – 35 days). The calculation was included weight of deaths.

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, weight and reason of mortality on the day of death. Mortality was recorded for the periods 1 – 10 days, 11 – 20 days, 21 – 28 days, 29 – 35 days and 1 – 35 days.

Statistical analyses

Performance results of live weight (on days 1, 10, 20, 28 and 35) were statistically evaluated using the ANOVA single-factor model (Scheffe test, Duncan test).

Results

Tab. No. **1 Hatchability**

2 Performance results:

2a Body weight

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

4 Carcass analysis

5 Foot pad lesions

6 Statistical analysis of body weight at the age of 35 days

(average body weight, standard deviation, coefficient of variation)

7 – 10 Statistical analyses of performance results

11 Performance results per pen:

11a Body weight

11b Weight gain

11c Feed conversion per 1 kg of live weight

11d Feed conversion per 1 kg of weight gain

11e Feed consumption

11f Foot pad lesions

Results of incubation and hatching

Tab. No. 1

Treatment	Tr. No.	Fertility	Hatchability		Birds housed	Average weight	
			Set eggs	Fertile eggs		Hatching eggs	Day old chicks
		%	%	%		g	g
T1	1	91.10	86.70	95.10	1692	65.56	43.29
T2	2				1692		43.25
T3	3				1692		43.45
T4	4				1692		43.39
T5	5				1692		43.40

Body weight per phases

Tab. No. 2a

Treatment	Tr. No.	Day 1		Day 10		Day 20		Day 28		Day 35	
		Birds	Average body weight	Birds	Average body weight	Birds	Average body weight	Birds	Average body weight	Birds	Average body weight
			g		g		g		g		g
T1	1	1692	43.29	1621	334.17	1602	1085.43	1570	1969.06	1537	2675.63
T2	2	1692	43.25	1626	335.28	1609	1098.45	1575	1978.80	1539	2708.09
T3	3	1692	43.45	1633	334.35	1614	1098.93	1577	1969.65	1572	2692.25
T4	4	1692	43.39	1633	333.07	1615	1100.55	1582	1992.59	1579	2706.66
T5	5	1692	43.40	1635	337.00	1616	1099.05	1575	1998.15	1536	2699.06

Weight gain per phases

Tab. No. 2b

Treatment	Tr. No.	Day 1 - 10		Day 11 - 20		Day 21 - 28		Day 28 - 35		Day 1 - 35	
		Weight gain per phase	Daily weight gain	Weight gain per phase	Daily weight gain	Weight gain per phase	Daily weight gain	Weight gain per phase	Daily weight gain	Weight gain per phase	Daily weight gain
		g	g	g	g	g	g	g	g	g	g
T1	1	290.88	29.09	751.26	75.13	883.63	110.45	706.57	100.94	2632.35	75.21
T2	2	292.03	29.20	763.16	76.32	880.35	110.04	729.29	104.18	2664.84	76.14
T3	3	290.89	29.09	764.59	76.46	870.72	108.84	722.59	103.23	2648.79	75.68
T4	4	289.68	28.97	767.48	76.75	892.04	111.51	714.06	102.01	2663.26	76.09
T5	5	293.60	29.36	762.05	76.21	899.10	112.39	700.90	100.13	2655.65	75.88

Feed conversion per 1 kg of live weight

Tab. No. 2c

Treatment	Tr. No.	Feed conversion ratio			
		Day 10	Day 20	Day 28	Day 35
		g/kg live weight	g/kg live weight	g/kg live weight	g/kg live weight
T1	1	922.14	1118.71	1255.20	1444.76
T2	2	928.70	1135.60	1264.57	1441.21
T3	3	920.31	1122.83	1273.96	1449.90
T4	4	940.50	1138.42	1263.67	1441.99
T5	5	923.88	1135.05	1258.28	1442.33

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

Treatment	Tr. No.	Feed conversion ratio				
		Day 1-10	Day 11-20	Day 21-28	Day 29-35	Day 1-35
		g/kg weight gain	g/kg weight gain	g/kg weight gain	g/kg weight gain	g/kg weight gain
T1	1	1064.22	1208,13	1424.73	1989.83	1469.99
T2	2	1070.49	1228,42	1427.67	1936.12	1465.96
T3	3	1061.82	1212,91	1467.59	1943.69	1474.97
T4	4	1085.34	1226,05	1419.98	1952.73	1466.71
T5	5	1064.41	1230,13	1411.22	1984.25	1467.19

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

Treatment	Tr. No.	Feed consumption				
		Starter (d 1-10)	Grower (d 11-20)	Grower (d 21-28)	Finisher (d 29-35)	Total (d 1-35)
		kg	kg	kg	kg	kg
T1	1	505.80	1457.00	2012.60	2191.70	6167.10
T2	2	512.90	1512.70	2013.60	2207.20	6246.40
T3	3	507.60	1504.10	2052.30	2209.30	6273.30
T4	4	517.50	1523.50	2039.90	2201.80	6282.70
T5	5	513.90	1519.60	2037.20	2180.10	6250.80

Mortality

Tab. No. 3

Treatment	Tr. No.	Mortality in the period											Mortality according causes														
		Day 1-10		Day 11-20		Day 21-28		Day 29-35		Day 1-35			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		birds	g	birds	g	birds	g	birds	g	birds	g	%															
T1	1	23	1616	19	8833	8	10521	9	15953	59	36923	3.49											36		18	5	96
T2	2	18	1897	17	9217	10	11634	12	24650	57	47398	3.37									2	34		10	11	96	
T3	3	25	1981	19	12392	13	15681	5	10580	62	40634	3.66									3	37		20	2	58	
T4	4	18	1952	18	9115	9	11511	3	6020	48	28598	2.84									5	29		11	3	65	
T5	5	28	2382	19	10244	17	22742	15	35193	79	70561	4.67									3	51		21	4	77	

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)

Results of carcass analysis

Tab. No. 4

Treatment	Tr. No.	Weight				Ratio of abd. fat to live weight	Breast muscles without skin			Thigh muscles with skin			Total muscles			Carcass	
		Total	Body	Gibl.	Abd. fat		Weight	Percentage		Weight	Percentage		Weight	Percentage		Value	Yield
								Total weight	Body carcass		Total weight	Body carcass					
g	g	g	g	%	g	%	%	g	%	%	g	%	%	%	%		
T1	1	2718	1970	151	27	0.98	667	24.55	33.87	608	22.39	30.89	1276	46.94	64.75	72.49	78.06
T2	2	2727	1986	150	26	0.97	678	24.85	34.12	616	22.58	31.01	1293	47.43	65.13	72.82	78.33
T3	3	2730	1989	152	27	1.01	675	24.72	33.93	614	22.49	30.88	1289	47.21	64.81	72.84	78.40
T4	4	2713	1973	149	27	1.01	673	24.81	34.12	610	22.49	30.93	1283	47.30	65.04	72.73	78.21
T5	5	2699	1960	150	28	1.03	669	24.80	34.16	600	22.23	30.62	1269	47.03	64.78	72.61	78.16

Foot pad lesions**Tab. No. 5**

Treatment	Tr. No.	Evaluation	
		right foot	left foot
T1	1	0.28	0.29
T2	2	0.34	0.37
T3	3	0.34	0.35
T4	4	0.34	0.35
T5	5	0.38	0.39

Statistical analysis - Body weight at 35 days of age

Tab. No. 6

Treatment	Tr. No.	Cocks			
		No. of birds	Average body weight	Standard deviation	Coefficient of variation
			g/birds	g/birds	%
T1	1	1537	2675.63	252.72	9.45
T2	2	1539	2708.09	262.51	9.69
T3	3	1572	2692.25	271.63	10.09
T4	4	1579	2706.66	260.85	9.64
T5	5	1536	2699.06	280.92	10.41

Statistical analyses of performance results

Performance results were statistically evaluated using the ANOVA single-factor model (Scheffe test, Duncan 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. 7a

Treat.	Tr. No.	No. of box	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	43.29	0.40		o	o	o	o
T2	2	12	43.25	0.30	0.823525		o	o	o
T3	3	12	43.45	0.46	0.378983	0.291503		o	o
T4	4	12	43.39	0.48	0.532820	0.427764	0.742131		o
T5	5	12	43.40	0.37	0.519219	0.411329	0.773782	0.948667	

Body weight - day 10

Tab. No. 7b

Treat.	Tr. No.	No. of box	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	334.17	4.78		o	o	o	o
T2	2	12	335.28	3.52	0.557558		o	o	o
T3	3	12	334.35	5.15	0.919355	0.599429		o	o
T4	4	12	333.07	4.82	0.540888	0.263761	0.504428		o
T5	5	12	337.00	3.08	0.150805	0.336957	0.163431	0.051249	

Body weight - day 20**Tab. No. 7c**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	1602	1085.43	108.67		*	*	**	*
T2	2	1609	1098.45	106.13	0.017180		o	o	o
T3	3	1614	1098.93	111.36	0.011467	0.999964		o	o
T4	4	1615	1100.55	100.97	0.002699	0.988762	0.995905		o
T5	5	1616	1099.05	104.18	0.010346	0.999914	1.000000	0.996953	

Body weight - day 28**Tab. No. 7d**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	1570	1969.06	210.33		o	o	*	**
T2	2	1575	1978.80	205.37	0.786827		o	o	o
T3	3	1577	1969.65	216.06	0.999995	0.822503		*	**
T4	4	1582	1992.59	199.43	0.039279	0.482941	0.047847		o
T5	5	1575	1998.15	208.88	0.004024	0.146306	0.005199	0.967012	

Body weight - day 35**Tab. No. 7e**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Scheffe test				
					T1	T2	T3	T4	T5
T1	1	1537	2675.63	252.72		*	o	*	o
T2	2	1539	2708.09	262.51	0.021947		o	o	o
T3	3	1572	2692.25	271.63	0.552348	0.598575		o	o
T4	4	1579	2706.66	260.85	0.031507	0.999936	0.678275		o
T5	5	1536	2699.06	280.92	0.202210	0.926363	0.972549	0.958963	

Average weight gain (day 1-10)**Tab. No. 8a**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	29.09	0.45		o	o	o	o
T2	2	12	29.20	0.36	0.532282		o	o	o
T3	3	12	29.09	0.50	0.992523	0.511109		o	o
T4	4	12	28.97	0.47	0.490027	0.220096	0.511984		*
T5	5	12	29.36	0.30	0.155713	0.367350	0.143767	0.045105	

Average weight gain (day 11-20)**Tab. No. 8b**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	75.13	3.75		o	o	o	o
T2	2	12	76.31	2.81	0.415494		o	o	o
T3	3	12	76.46	3.42	0.376349	0.911196		o	o
T4	4	12	76.75	2.75	0.293689	0.762097	0.831920		o
T5	5	12	76.22	3.72	0.422072	0.947879	0.868810	0.726421	

Average weight gain (day 21-28)**Tab. No. 8c**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	110.42	7.08		o	o	o	o
T2	2	12	110.05	7.92	0.906911		o	o	o
T3	3	12	108.84	7.67	0.634757	0.696001		o	o
T4	4	12	111.50	6.59	0.728942	0.664560	0.441544		o
T5	5	12	112.38	8.55	0.556596	0.502146	0.317814	0.778103	

Average weight gain (day 29-35)

Tab. No. 8d

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	101.00	7.72		o	o	o	o
T2	2	12	104.19	10.67	0.475255		o	o	o
T3	3	12	103.29	10.08	0.595000	0.822326		o	o
T4	4	12	102.04	9.10	0.796331	0.616925	0.756500		o
T5	5	12	100.16	11.10	0.834163	0.378550	0.483785	0.661896	

Average weight gain (day 1-35)

Tab. No. 8e

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	75.21	1.43		o	o	o	o
T2	2	12	76.14	1.45	0.328412		o	o	o
T3	3	12	75.69	2.54	0.566417	0.628429		o	o
T4	4	12	76.10	1.87	0.338505	0.960345	0.648015		o
T5	5	12	75.88	2.55	0.452055	0.773360	0.818263	0.796226	

FCR - day 10**Tab. No. 9a**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	922.33	26.43		o	o	o	o
T2	2	12	928.84	25.00	0.578816		o	o	o
T3	3	12	920.39	30.74	0.859860	0.488136		o	o
T4	4	12	940.77	28.66	0.128793	0.279044	0.101007		o
T5	5	12	923.89	21.93	0.886861	0.652071	0.765659	0.149929	

FCR - day 20**Tab. No. 9b**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	1119.30	21.70		o	o	o	o
T2	2	12	1136.01	26.84	0.198454		o	o	o
T3	3	12	1123.05	30.83	0.749220	0.301105		o	o
T4	4	12	1138.55	33.92	0.147952	0.828762	0.233214		o
T5	5	12	1135.60	28.14	0.193600	0.971746	0.287055	0.813939	

FCR - day 28**Tab. No. 9c**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	1256.13	36.00		o	o	o	o
T2	2	12	1265.44	39.68	0.581724		o	o	o
T3	3	12	1274.79	34.29	0.280771	0.539582		o	o
T4	4	12	1264.33	38.26	0.614262	0.941565	0.520067		o
T5	5	12	1259.17	36.85	0.841599	0.699794	0.354965	0.734733	

FCR - day 35**Tab. No. 9d**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	1445.18	24.87		o	o	o	o
T2	2	12	1441.55	22.21	0.787319		o	o	o
T3	3	12	1450.71	37.46	0.646890	0.505328		o	o
T4	4	12	1442.31	25.54	0.824354	0.949782	0.531048		o
T5	5	12	1443.00	34.00	0.856592	0.911206	0.549949	0.954770	

FCR per 1 kg of weight gain 1 – 10 day**Tab. No. 10a**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	1064.53	31.32		o	o	o	o
T2	2	12	1070.79	30.54	0.632193		o	o	o
T3	3	12	1062.01	36.53	0.857544	0.545765		o	o
T4	4	12	1085.68	34.09	0.130228	0.257452	0.110245		o
T5	5	12	1064.45	25.84	0.995218	0.650050	0.852353	0.142512	

FCR per 1 kg of weight gain 11 – 20 day**Tab. No. 10b**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	834.21	15.42		o	o	o	o
T2	2	12	851.98	21.57	0.108339		o	o	o
T3	3	12	842.46	29.21	0.411092	0.372909		o	o
T4	4	12	853.05	30.59	0.096373	0.915090	0.339903		o
T5	5	12	851.29	21.89	0.110215	0.944995	0.378568	0.869760	

FCR per 1 kg of weight gain 21 – 28 day**Tab. No. 10c**

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	1430.83	98.70		o	o	o	o
T2	2	12	1435.58	120.98	0.906862		o	o	o
T3	3	12	1472.85	90.98	0.332650	0.360064		o	o
T4	4	12	1424.46	82.73	0.875343	0.797927	0.282358		o
T5	5	12	1417.92	96.90	0.766235	0.695570	0.233610	0.871976	

FCR per 1 kg of weight gain 29 – 35 day

Tab. No. 10d

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	1998.64	145.23		o	o	o	o
T2	2	12	1956.93	218.41	0.612329		o	o	o
T3	3	12	1957.26	169.87	0.601116	0.996621		o	o
T4	4	12	1965.56	166.82	0.655291	0.913632	0.910692		o
T5	5	12	2001.91	193.03	0.964831	0.594161	0.587343	0.646139	

FCR per 1 kg of weight gain 1 – 35 day

Tab. No. 10e

Treat.	Tr. No.	No. of birds	Average (g)	Standard deviation	Duncan test				
					T1	T2	T3	T4	T5
T1	1	12	1470.42	25.64		o	o	o	o
T2	2	12	1466.33	23.01	0.767591		o	o	o
T3	3	12	1475.82	38.56	0.665150	0.503545		o	o
T4	4	12	1467.06	26.41	0.800400	0.953367	0.526529		o
T5	5	12	1467.90	35.08	0.839286	0.906416	0.551960	0.946078	

Performance results per replicate

Body weight per phases

Tab. No. 11a (page 1)

Treatment	Tr. No.	Pen	Day 1		Day 10		Day 20		Day 28		Day 35	
			Birds	Average body weight	Birds	Average body weight	Birds	Average body weight	Birds	Average body weight	Birds	Average body weight
				g		g		g		g		g
T1	1	1	141	43.97	137	337.23	137	1076.06	133	2086.77	131	2713.66
		6	141	43.55	136	336.76	134	1017.99	132	1961.97	130	2624.46
		11	141	43.12	134	329.85	132	1130.68	130	2020.92	127	2775.04
		16	141	42.84	136	330.15	133	1045.49	129	1919.69	125	2709.52
		21	141	43.55	135	331.85	132	1105.53	129	1928.06	126	2707.30
		26	141	43.69	134	341.04	132	1083.41	129	1971.47	126	2668.41
		35	141	43.55	133	333.08	133	1030.83	131	1952.75	127	2674.65
		40	141	43.55	135	342.22	134	1122.24	132	1967.58	130	2660.54
		45	141	42.70	134	330.60	132	1083.11	129	1901.63	127	2612.91
		50	141	42.84	134	329.10	133	1095.49	131	1996.03	128	2619.92
		55	141	43.12	136	329.41	135	1119.85	133	1943.68	130	2625.08
		60	141	42.98	137	338.69	135	1114.52	132	1974.85	130	2717.85
T2	2	2	141	43.83	136	336.76	133	1046.17	130	2075.92	127	2700.47
		7	141	43.26	137	337.96	137	1072.34	135	1949.26	133	2640.30
		12	141	42.98	136	341.18	134	1102.01	132	1920.76	127	2708.98
		17	141	43.55	135	334.07	134	1093.81	132	2047.95	130	2767.46
		22	141	43.26	135	333.33	133	1090.00	131	1943.66	129	2724.34
		27	141	43.26	136	341.18	134	1112.31	131	1951.91	128	2809.14
		34	141	43.40	136	331.62	134	1085.15	132	1954.70	130	2671.15
		39	141	43.55	134	332.09	134	1148.51	130	2035.23	127	2717.40
		44	141	42.70	137	336.50	137	1140.66	134	1971.34	129	2735.43
		49	141	43.12	134	330.60	132	1103.26	129	2013.64	126	2628.10
		54	141	43.12	133	333.08	131	1099.77	127	1899.76	125	2719.84
		59	141	42.98	137	335.04	136	1086.84	132	1981.89	128	2675.47
T3	3	3	141	43.55	136	339.71	134	1088.66	132	2086.59	132	2802.12
		8	141	44.11	136	336.03	133	1134.21	131	2122.67	131	2751.60
		13	141	43.26	135	337.78	135	1034.89	131	1877.40	130	2659.15
		18	141	43.55	137	337.23	134	1060.82	131	1898.47	130	2593.85
		23	141	43.97	135	327.41	133	1128.87	128	1985.00	128	2872.58
		28	141	43.69	137	342.34	136	1118.53	134	1973.28	133	2645.71
		33	141	43.83	135	334.81	135	1092.67	131	1966.26	131	2649.08
		38	141	43.83	137	337.23	134	1147.46	131	1988.70	130	2796.92
		43	141	42.70	136	330.88	136	1110.07	132	1911.29	132	2628.71
		48	141	43.12	136	333.82	134	1079.25	131	1920.99	130	2637.92
		53	141	42.84	137	329.93	135	1075.70	132	1964.62	132	2655.68
		58	141	42.98	136	325.00	135	1116.67	133	1940.83	133	2618.87

Body weight per phases
Tab. No. 11a (page 2)

Treatment	Tr. No.	Pen	Day 1		Day 10		Day 20		Day 28		Day 35	
			Birds	Average body weight	Birds	Average body weight	Birds	Average body weight	Birds	Average body weight	Birds	Average body weight
				g		g		g		g		g
T4	4	4	141	43.40	135	336.30	135	1059.04	132	1968.56	132	2623.86
		9	141	43.26	137	336.50	135	1067.41	132	2079.09	132	2735.68
		14	141	43.12	136	330.15	135	1083.26	133	1964.29	133	2687.07
		19	141	43.69	136	332.35	134	1096.72	132	2038.71	131	2746.03
		24	141	43.97	136	336.03	134	1100.37	132	1913.64	132	2792.80
		29	141	43.26	137	324.82	135	1095.11	130	1963.00	130	2650.69
		32	141	43.55	135	331.11	134	1144.70	132	2045.76	131	2766.72
		37	141	44.40	137	339.42	135	1090.07	133	1912.93	133	2573.83
		42	141	43.55	136	331.62	136	1100.15	133	1965.86	132	2700.68
		47	141	42.70	136	338.24	136	1123.24	134	2043.51	134	2693.43
		52	141	42.84	137	324.82	134	1136.87	132	2017.27	132	2772.80
		57	141	42.98	135	335.56	132	1110.30	127	1998.50	127	2738.74
T5	5	5	141	43.55	136	338.97	134	1105.75	132	2122.35	130	2734.54
		10	141	43.26	137	339.42	136	1028.82	133	2055.41	130	2637.77
		15	141	43.26	137	332.85	136	1044.34	132	1868.41	127	2588.19
		20	141	43.69	136	333.09	134	1089.93	131	1979.31	127	2671.02
		25	141	43.97	136	338.97	136	1128.90	131	2032.75	123	2710.08
		30	141	43.83	137	337.23	137	1095.40	134	1960.82	131	2666.18
		31	141	43.40	135	335.56	134	1153.96	129	1995.19	127	2691.81
		36	141	43.40	135	340.00	132	1101.52	130	2040.77	127	2939.37
		41	141	42.70	136	335.29	134	1081.27	131	1896.56	129	2616.59
		46	141	43.12	136	333.09	134	1125.07	130	2051.92	127	2705.83
		51	141	42.98	137	337.23	136	1086.40	132	1961.97	130	2675.62
		56	141	43.69	137	342.34	133	1149.40	130	2013.46	128	2755.08

Weight gain per phases (WG) and daily weight gain (DWG)

Tab. No. 11b (page 1)

Treatment	Tr. No.	Box	Day 1-10		Day 11-20		Day 21-28		Day 29-35		Day 1-35	
			WG	DWG	WG	DWG	WG	DWG	WG	DWG	WG	DWG
			g	g	g	g	g	g	g	g	g	g
T1	1	1	293.26	29.33	738.83	73.88	1010.71	126.34	626.90	89.56	2669.69	76.28
		6	293.21	29.32	681.22	68.12	943.98	118.00	662.49	94.64	2580.91	73.74
		11	286.73	28.67	800.83	80.08	890.24	111.28	754.12	107.73	2731.92	78.05
		16	287.31	28.73	715.34	71.53	874.20	109.28	789.83	112.83	2666.68	76.19
		21	288.30	28.83	773.68	77.37	822.53	102.82	779.24	111.32	2663.75	76.11
		26	297.35	29.74	742.36	74.24	888.06	111.01	696.94	99.56	2624.72	74.99
		35	289.53	28.95	697.74	69.77	921.92	115.24	721.90	103.13	2631.10	75.17
		40	298.67	29.87	780.02	78.00	845.34	105.67	692.96	98.99	2616.99	74.77
		45	287.90	28.79	752.51	75.25	818.52	102.32	711.29	101.61	2570.21	73.43
		50	286.26	28.63	766.38	76.64	900.54	112.57	623.89	89.13	2577.08	73.63
		55	286.29	28.63	790.44	79.04	823.83	102.98	681.39	97.34	2581.96	73.77
		60	295.71	29.57	775.83	77.58	860.33	107.54	743.00	106.14	2674.87	76.42
T2	2	2	292.93	29.29	709.40	70.94	1029.76	128.72	624.55	89.22	2656.64	75.90
		7	294.70	29.47	734.38	73.44	876.92	109.62	691.04	98.72	2597.04	74.20
		12	298.20	29.82	760.84	76.08	818.74	102.34	788.22	112.60	2666.00	76.17
		17	290.52	29.05	759.73	75.97	954.15	119.27	719.51	102.79	2723.91	77.83
		22	290.07	29.01	756.67	75.67	853.66	106.71	780.68	111.53	2681.08	76.60
		27	297.92	29.79	771.14	77.11	839.59	104.95	857.23	122.46	2765.88	79.03
		34	288.22	28.82	753.53	75.35	869.55	108.69	716.46	102.35	2627.75	75.08
		39	288.54	28.85	816.42	81.64	886.72	110.84	682.17	97.45	2673.85	76.40
		44	293.80	29.38	804.16	80.42	830.69	103.84	764.08	109.15	2692.73	76.94
		49	287.48	28.75	772.66	77.27	910.39	113.80	614.45	87.78	2584.98	73.86
		54	289.96	29.00	766.69	76.67	799.99	100.00	820.08	117.15	2676.72	76.48
		59	292.06	29.21	751.80	75.18	895.06	111.88	693.57	99.08	2632.49	75.21
T3	3	3	296.16	29.62	748.95	74.90	997.93	124.74	715.53	102.22	2758.57	78.82
		8	291.92	29.19	798.18	79.82	988.46	123.56	628.93	89.85	2707.49	77.36
		13	294.52	29.45	697.11	69.71	842.52	105.31	781.75	111.68	2615.89	74.74
		18	293.68	29.37	723.59	72.36	837.65	104.71	695.37	99.34	2550.30	72.87
		23	283.44	28.34	801.46	80.15	856.13	107.02	887.58	126.80	2828.61	80.82
		28	298.65	29.86	776.19	77.62	854.75	106.84	672.43	96.06	2602.02	74.34
		33	290.98	29.10	757.85	75.79	873.59	109.20	682.82	97.55	2605.25	74.44
		38	293.40	29.34	810.24	81.02	841.24	105.15	808.22	115.46	2753.09	78.66
		43	288.18	28.82	779.19	77.92	801.21	100.15	717.42	102.49	2586.01	73.89
		48	290.70	29.07	745.43	74.54	841.74	105.22	716.93	102.42	2594.80	74.14
		53	287.09	28.71	745.78	74.58	888.92	111.11	691.06	98.72	2612.84	74.65
		58	282.02	28.20	791.67	79.17	824.16	103.02	678.05	96.86	2575.89	73.60

Weight gain per phases (WG) and daily weight gain (DWG)

Tab. No. 11b (page 2)

Treatment	Tr. No.	Box	Day 1-10		Day 11-20		Day 21-28		Day 29-35		Day 1-35	
			WG	DWG	WG	DWG	WG	DWG	WG	DWG	WG	DWG
			g	g	g	g	g	g	g	g	g	g
T4	4	4	292.90	29.29	722.74	72.27	909.52	113.69	655.30	93.61	2580.46	73.73
		9	293.24	29.32	730.91	73.09	1011.68	126.46	656.59	93.80	2692.42	76.93
		14	287.03	28.70	753.11	75.31	881.03	110.13	722.78	103.25	2643.95	75.54
		19	288.66	28.87	764.36	76.44	942.00	117.75	707.32	101.05	2702.34	77.21
		24	292.06	29.21	764.34	76.43	813.26	101.66	879.17	125.60	2748.83	78.54
		29	281.56	28.16	770.29	77.03	867.89	108.49	687.69	98.24	2607.43	74.50
		32	287.56	28.76	813.59	81.36	901.06	112.63	720.96	102.99	2723.17	77.80
		37	295.02	29.50	750.66	75.07	822.86	102.86	660.90	94.41	2529.43	72.27
		42	288.07	28.81	768.53	76.85	865.72	108.21	734.82	104.97	2657.13	75.92
		47	295.54	29.55	785.00	78.50	920.27	115.03	649.93	92.85	2650.73	75.74
		52	281.98	28.20	812.05	81.20	880.41	110.05	755.53	107.93	2729.96	78.00
		57	292.58	29.26	774.75	77.47	888.20	111.03	740.24	105.75	2695.76	77.02
T5	5	5	295.42	29.54	766.78	76.68	1016.60	127.08	612.19	87.46	2690.99	76.89
		10	296.16	29.62	689.41	68.94	1026.59	128.32	582.36	83.19	2594.51	74.13
		15	289.59	28.96	711.49	71.15	824.07	103.01	719.78	102.83	2544.93	72.71
		20	289.40	28.94	756.84	75.68	889.39	111.17	691.71	98.82	2627.33	75.07
		25	295.00	29.50	789.93	78.99	903.85	112.98	677.33	96.76	2666.11	76.17
		30	293.40	29.34	758.18	75.82	865.42	108.18	705.36	100.77	2622.35	74.92
		31	292.16	29.22	818.40	81.84	841.24	105.15	696.62	99.52	2648.41	75.67
		36	296.60	29.66	761.52	76.15	939.25	117.41	898.60	128.37	2895.97	82.74
		41	292.59	29.26	745.97	74.60	815.30	101.91	720.02	102.86	2573.89	73.54
		46	289.97	29.00	791.99	79.20	926.85	115.86	653.90	93.41	2662.71	76.08
		51	294.25	29.42	749.17	74.92	875.57	109.45	713.65	101.95	2632.64	75.22
		56	298.65	29.86	807.06	80.71	864.06	108.01	741.62	105.95	2711.39	77.47

Feed conversion per 1 kg of live weight

Tab. No. 11c (page 1)

Treatm ent	Tr. No.	Box	Feed conversion ratio			
			Day 10	Day 20	Day 28	Day 35
			g/kg live weight	g/kg live weight	g/kg live weight	g/kg live weight
T1	1	1	904.86	1132.85	1166.13	1414.81
		6	922.77	1139.99	1222.29	1438.13
		11	950.24	1114.58	1259.42	1424.90
		16	968.41	1140.55	1288.56	1440.44
		21	942.86	1116.78	1293.86	1437.76
		26	914.18	1128.58	1255.36	1438.82
		35	883.50	1145.46	1260.32	1444.36
		40	888.58	1090.73	1259.90	1442.19
		45	909.74	1108.45	1303.25	1496.85
		50	954.51	1137.10	1257.63	1485.55
		55	916.84	1096.60	1264.64	1460.66
		60	911.46	1079.93	1242.24	1417.70
T2	2	2	933.29	1194.05	1197.13	1447.50
		7	943.54	1159.15	1261.57	1438.57
		12	902.36	1133.34	1313.46	1453.21
		17	919.51	1167.51	1234.20	1420.14
		22	918.82	1128.92	1272.76	1406.52
		27	883.61	1129.47	1309.75	1400.74
		34	938.68	1145.52	1270.22	1458.96
		39	979.18	1110.95	1264.40	1457.52
		44	940.36	1121.55	1286.13	1439.09
		49	953.91	1132.19	1222.16	1472.37
		54	917.63	1108.74	1325.55	1461.06
		59	915.17	1100.78	1227.99	1442.94
T3	3	3	927.77	1153.94	1229.36	1406.35
		8	949.27	1115.25	1224.59	1447.93
		13	853.92	1157.22	1306.81	1456.92
		18	913.17	1087.40	1302.98	1481.54
		23	948.18	1133.26	1273.45	1363.00
		28	901.32	1107.97	1272.86	1469.99
		33	958.06	1134.12	1290.85	1475.72
		38	891.38	1139.90	1311.16	1436.59
		43	936.68	1120.63	1328.78	1510.16
		48	942.41	1112.73	1264.39	1454.75
		53	930.29	1160.20	1257.77	1456.33
		58	892.26	1053.98	1234.43	1449.25

Feed conversion per 1 kg of live weight

Tab. No. 11c (page 2)

Treatm ent	Tr. No.	Box	Feed conversion ratio			
			Day 10	Day 20	Day 28	Day 35
			g/kg live weight	g/kg live weight	g/kg live weight	g/kg live weight
T4	4	4	947.11	1131.58	1238.48	1452.40
		9	936.77	1153.48	1196.71	1409.90
		14	958.65	1178.38	1322.24	1453.07
		19	946.66	1186.88	1263.53	1438.13
		24	945.66	1189.86	1324.61	1391.53
		29	963.53	1107.51	1266.39	1458.75
		32	974.38	1156.48	1283.78	1467.63
		37	893.18	1091.01	1269.03	1481.72
		42	893.84	1122.09	1276.93	1460.89
		47	911.20	1101.82	1207.78	1428.17
		52	980.76	1128.85	1267.92	1440.52
		57	937.48	1114.65	1254.52	1425.04
T5	5	5	963.77	1130.19	1197.93	1416.20
		10	914.74	1188.40	1207.26	1458.37
		15	910.10	1151.84	1315.36	1480.54
		20	931.99	1158.75	1264.59	1439.02
		25	893.01	1104.45	1253.07	1442.86
		30	948.29	1154.97	1279.36	1457.78
		31	953.48	1134.60	1312.49	1503.53
		36	915.97	1164.50	1280.29	1377.62
		41	905.89	1104.81	1274.10	1460.95
		46	921.50	1109.17	1224.69	1452.55
		51	900.82	1123.16	1248.82	1413.19
		56	927.10	1102.31	1252.11	1413.37

Feed conversion per 1 kg of weight gain

Tab. No. 11d (page 1)

Treatment	Tr. No.	Box	Feed conversion ratio				
			Day 1-10	Day 11-20	Day 21-28	Day 29-35	Day 1-35
			g/kg weight gain	g/kg weight gain	g/kg weight gain	g/kg weight gain	g/kg weight gain
T1	1	1	1043.59	1237,90	1202.26	2263.33	1439.11
		6	1063.58	1250,40	1311.28	2092.20	1463.64
		11	1099.32	1184,21	1445.37	1879.61	1449.00
		16	1117.29	1222,14	1470.08	1830.03	1465.32
		21	1090.35	1193,39	1534.73	1809.08	1462.89
		26	1054.58	1229,83	1412.16	1972.50	1464.56
		35	1022.94	1272,63	1389.25	1957.82	1469.85
		40	1022.35	1181,02	1486.64	1970.72	1467.43
		45	1050.81	1198,26	1563.34	2027.87	1523.53
		50	1103.93	1217,01	1404.57	2239.86	1511.83
		55	1058.71	1173,07	1493.98	2044.07	1486.34
		60	1046.88	1154,88	1456.30	1896.55	1441.60
T2	2	2	1077.09	1321,44	1200.32	2326.38	1473.03
		7	1085.16	1259,32	1386.66	1945.69	1463.26
		12	1035.97	1239,70	1558.39	1807.49	1478.05
		17	1061.15	1279,55	1311.28	1961.36	1444.08
		22	1060.70	1223,62	1458.48	1747.38	1430.59
		27	1015.87	1240,31	1552.91	1614.84	1423.96
		34	1084.19	1239,00	1426.86	1984.55	1484.36
		39	1132.95	1165,45	1467.16	2053.88	1482.84
		44	1079.95	1198,15	1514.80	1845.32	1462.82
		49	1103.02	1210,19	1332.01	2327.15	1498.59
		54	1060.56	1194,34	1630.64	1786.02	1486.63
		59	1052.90	1184,17	1387.46	2083.15	1467.73
T3	3	3	1067.95	1258,63	1312.27	1935.42	1429.65
		8	1096.77	1186,46	1352.11	2223.57	1472.79
		13	984.01	1305,92	1495.20	1831.43	1482.58
		18	1051.97	1169,81	1582.10	1982.95	1508.13
		23	1099.97	1211,15	1462.63	1571.16	1385.75
		28	1036.40	1199,81	1490.75	2065.11	1495.64
		33	1107.41	1212,98	1488.55	2024.59	1501.87
		38	1027.81	1245,90	1549.46	1754.40	1460.78
		43	1079.99	1199,40	1622.73	2005.28	1536.35
		48	1086.90	1190,67	1460.68	1981.57	1480.35
		53	1072.43	1263,73	1377.72	2035.74	1481.37
		58	1032.54	1121,39	1479.99	2075.85	1474.55

Feed conversion per 1 kg of weight gain
Tab. No. 11d (page 2)

Treatm ent	Tr. No.	Box	Feed conversion ratio				
			Day 1-10	Day 11-20	Day 21-28	Day 29-35	Day 1-35
			g/kg weight gain	g/kg weight gain	g/kg weight gain	g/kg weight gain	g/kg weight gain
T4	4	4	1092.30	1218,61	1363.60	2110.98	1478.04
		9	1078.05	1255,35	1242.53	2105.69	1433.57
		14	1106.19	1276,43	1500.63	1816.29	1477.82
		19	1093.99	1294,21	1353.45	1951.17	1462.63
		24	1092.19	1300,35	1508.22	1539.85	1415.04
		29	1115.26	1169,18	1474.81	2025.73	1484.41
		32	1126.53	1231,80	1447.49	2011.57	1492.43
		37	1030.74	1182,46	1506.15	2110.35	1508.89
		42	1032.77	1221,78	1475.07	1966.51	1485.90
		47	1046.62	1184,90	1337.32	2133.43	1452.07
		52	1132.96	1189,94	1449.40	1911.16	1464.32
		57	1080.58	1193,38	1434.89	1904.05	1449.57
T5	5	5	1110.47	1205,52	1271.73	2189.47	1440.31
		10	1051.87	1324,88	1226.26	2365.03	1483.67
		15	1049.48	1266,23	1523.15	1932.07	1506.88
		20	1076.77	1260,94	1396.27	1955.07	1464.37
		25	1030.11	1196,13	1443.90	2037.29	1468.04
		30	1093.25	1247,71	1437.25	1966.71	1483.01
		31	1100.02	1210,01	1564.63	2069.85	1529.80
		36	1054.75	1278,92	1418.09	1606.48	1399.76
		41	1042.21	1196,00	1501.02	1965.97	1486.50
		46	1062.57	1189,95	1367.93	2193.19	1477.54
		51	1035.77	1224,65	1407.54	1876.59	1437.36
		56	1066.12	1178,46	1457.31	1865.20	1437.56

Feed consumption per phases
Tab. No. 11e (page 1)

Treatm ent	Tr. No.	Box	Feed consumption				
			Starter (D 1-8)	Grower (D 9-16)	Grower (D 17-24)	Finisher (D 24-35)	Total (D 1-35)
			kg	kg	kg	kg	kg
T1	1	1	42.20	125.30	163.70	188.40	519.60
		6	42.80	114.10	166.90	182.90	506.70
		11	42.60	125.30	169.60	183.30	520.80
		16	43.90	116.90	169.00	182.60	512.40
		21	42.80	123.00	167.50	180.60	513.90
		26	42.30	120.50	164.70	176.90	504.40
		35	39.80	118.10	170.60	182.90	511.40
		40	41.70	124.10	168.60	180.40	514.80
		45	40.80	118.90	168.70	186.30	514.70
		50	42.60	124.10	168.90	180.60	516.20
		55	41.60	125.10	166.40	180.90	514.00
		60	42.70	121.60	168.00	185.90	518.20
T2	2	2	43.20	125.20	163.80	183.90	516.10
		7	44.10	126.70	167.30	182.00	520.10
		12	42.40	126.50	170.80	184.40	524.10
		17	42.30	130.30	167.70	185.80	526.10
		22	41.90	123.80	165.80	178.60	510.10
		27	41.40	128.90	173.60	180.20	524.10
		34	42.80	125.00	166.40	187.50	521.70
		39	44.30	127.50	171.70	180.70	524.20
		44	43.80	132.00	170.90	187.30	534.00
		49	42.90	124.40	161.20	183.10	511.60
		54	41.40	120.30	169.00	185.80	516.50
		59	42.40	122.10	165.40	187.90	517.80
T3	3	3	43.40	127.20	176.50	182.80	529.90
		8	43.90	127.90	178.60	183.20	533.60
		13	39.40	122.90	166.50	184.70	513.50
		18	42.50	115.10	177.10	181.40	516.10
		23	42.60	129.30	164.40	178.50	514.80
		28	42.60	127.60	173.30	184.60	528.10
		33	43.90	124.10	174.80	181.10	523.90
		38	41.50	136.00	173.40	185.30	536.20
		43	42.50	127.10	173.90	189.90	533.40
		48	43.10	119.00	164.40	184.90	511.40
		53	42.40	127.90	164.50	185.70	520.50
		58	39.80	120.00	164.90	187.20	511.90

Feed consumption per phases
Tab. No. 11e (page 2)

Treatm ent	Tr. No.	Box	Feed consumption				
			Starter (D 1-8)	Grower (D 9-16)	Grower (D 17-24)	Finisher (D 24-35)	Total (D 1-35)
			kg	kg	kg	kg	kg
T4	4	4	43.60	118.90	167.30	182.60	512.40
		9	43.60	124.30	170.60	182.50	521.00
		14	43.70	130.40	178.80	174.60	527.50
		19	43.30	132.50	170.90	182.20	528.90
		24	43.70	132.80	164.20	178.70	519.40
		29	43.20	122.40	168.10	181.10	514.80
		32	44.30	135.40	174.90	187.80	542.40
		37	41.90	120.00	167.80	185.50	515.20
		42	40.80	127.70	173.10	191.40	533.00
		47	42.40	126.50	167.70	185.80	522.40
		52	44.10	129.70	171.00	190.60	535.40
		57	42.90	122.90	165.50	179.00	510.30
T5	5	5	44.80	123.80	174.10	176.80	519.50
		10	42.80	124.30	171.10	183.50	521.70
		15	41.80	122.90	171.40	180.60	516.70
		20	42.70	128.20	165.50	175.80	512.20
		25	41.60	128.50	173.20	178.20	521.50
		30	44.20	129.60	170.40	185.50	529.70
		31	43.80	133.50	172.50	186.10	535.90
		36	42.60	129.20	175.80	185.50	533.10
		41	41.70	120.10	164.00	186.00	511.80
		46	42.20	126.60	167.90	185.50	522.20
		51	41.90	124.80	165.40	177.00	509.10
		56	43.80	128.10	165.90	179.60	517.40

Foot pad lesions

Tab. No. 11f (page 1)

Treatment	Tr. No.	Box No.	Evaluation	
			right foot	left foot
T1	1	1	0.20	0.21
		6	0.17	0.33
		11	0.42	0.37
		16	0.94	0.93
		21	0.08	0.13
		26	0.26	0.37
		35	0.25	0.17
		40	0.44	0.42
		45	0.37	0.27
		50	0.10	0.12
		55	0.02	0.02
		60	0.18	0.15
T2	2	2	0.17	0.35
		7	0.26	0.14
		12	1.01	1.00
		17	0.80	0.78
		22	0.20	0.32
		27	0.63	0.83
		34	0.18	0.12
		39	0.25	0.27
		44	0.29	0.27
		49	0.12	0.11
		54	0.10	0.12
		59	0.04	0.09
T3	3	3	0.64	0.59
		8	0.25	0.42
		13	0.87	0.87
		18	0.58	0.56
		23	0.15	0.13
		28	0.22	0.36
		33	0.18	0.19
		38	0.33	0.30
		43	0.29	0.28
		48	0.19	0.18
		53	0.08	0.07
		58	0.27	0.21

Foot pad lesions

Tab. No. 11f (page 2)

Treatment	Tr. No.	Box No.	Evaluation	
			right foot	left foot
T4	4	4	0.17	0.26
		9	0.45	0.34
		14	0.80	0.81
		19	0.73	0.74
		24	0.05	0.17
		29	0.40	0.52
		32	0.43	0.32
		37	0.09	0.17
		42	0.24	0.20
		47	0.25	0.31
		52	0.38	0.33
		57	0.02	0.04
T5	5	5	0.38	0.29
		10	0.10	0.12
		15	1.93	1.93
		20	0.40	0.43
		25	0.09	0.21
		30	0.50	0.57
		31	0.39	0.32
		36	0.24	0.19
		41	0.19	0.25
		46	0.19	0.22
		51	0.01	0.02
		56	0.11	0.08