



Assessment of growth, nutrient digestibility and productive efficiency of broiler fed diet with phytogetic herbal supplement

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Supplementary Table 1. Ingredient composition (%) of the experimental rations.

Ingredient	T-1			T-2			T-3			T-4			T-5			T-6		
	PS	S	F	PS	S	F	PS	S	F	PS	S	F	PS	S	F	PS	S	F
M	50	52	56	50	52	56	49.5	51	55.25	49	50.75	55	48	50.5	54.5	48	50	54.25
SBM	43	40	35	43	40	35	43	40	35	42.75	40	35	43	40	35	42.75	40	35
VO	4	5	6	4	5	6	4	5.5	6.25	4.5	5.5	6.25	5	5.5	6.5	5	5.75	6.5
BMD	0	0	0	0.05	0.05	0.05	0	0	0	0	0	0	0	0	0	0	0	0
PHS	0	0	0	0	0	0	0.5	0.5	0.5	0.75	0.75	0.75	1	1	1	1.25	1.25	1.25
DCP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LSP	1.1	1.1	1.15	1.1	1.1	1.15	1.1	1.1	1.15	1.1	1.1	1.15	1.1	1.1	1.15	1.1	1.1	1.15
CS	0.3	0.03	0.3	0.3	0.03	0.3	0.3	0.03	0.3	0.3	0.03	0.3	0.3	0.03	0.3	0.3	0.03	0.3
L-L	0.25	0.25	0.2	0.20	0.20	0.2	0.25	0.25	0.2	0.25	0.25	0.2	0.25	0.25	0.2	0.25	0.25	0.2
DL-M	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
CDT	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
TB	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
TMM*	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
VP**	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
AOD	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

PS: Pre-starter ration; S: Starter ration; F: Finisher ration.

M: Yellow maize, SBM: Soyabean meal, VO: Vegetable oil, BMD: Bacitracin Methylene Di-salicylate, PHS: Phytogetic herbal supplement, DCP: Dicalcium phosphate, LSP: Limestone powder, CS: Common salt, L-L: L-Lysine, DL-M: DL-Methionine, CDT: Coccidiostat, TB: Toxin binder, VP: Vitamin premix, TMM: Trace mineral mixture, AOD: Anti-oxidant.

* TMM: Manganese sulphate – 120 g, Zinc sulphate – 120 g, Ferrous sulphate – 20g, Copper sulphate – 4g, Cobalt chloride – 200mg, Potassium iodide – 200 mg, Sodium selenite – 40mg (1kg).

**VP: Vit.A-125Iac IU, Vit.D3- 25Iac IU, Vit.B2- 5g, Vit.E- 9000 IU, Vitamin K3- 1.2g, Vit.B1-900mg, Vit.B6-1.8g, Vit.B12-2500 mcg, Niacin-1.4g, Folic acid – 100 mg, Biotin – 10000 mcg (500g).

Supplementary Table 2. Nutritional composition of experimental rations (on DM basis).

Ingredient	T-1			T-2			T-3			T-4			T-5			T-6		
	PS	S	F	PS	S	F	PS	S	F	PS	S	F	PS	S	F	PS	S	F
DM (%)	89.10	88.66	89.00	89.49	88.99	89.15	89.15	88.88	89.31	89.66	88.98	89.12	89.58	88.99	89.29	89.31	88.98	89.30
CP (%)	23.21	22.34	20.40	23.20	22.30	20.35	23.25	22.33	20.45	23.20	22.40	20.60	23.27	22.39	20.65	23.30	22.50	20.73
EE (%)	3.00	3.61	4.46	3.02	3.59	4.61	3.10	3.65	4.70	3.08	3.67	4.71	3.15	3.66	4.70	3.16	3.65	4.75
CF (%)	4.44	4.32	4.43	4.42	4.43	4.41	4.48	4.46	4.45	4.47	4.50	4.40	4.50	4.35	4.39	4.49	4.45	4.46
TA (%)	6.10	6.20	6.30	6.16	6.16	6.39	6.10	6.20	6.35	6.15	6.19	6.33	6.16	6.25	6.36	6.18	6.21	6.38
NFE (%) [*]	63.25	63.53	64.41	63.20	63.52	64.24	63.07	63.36	64.05	63.10	63.24	63.96	62.92	63.35	63.90	62.87	63.19	63.68
Ca (%)	1.04	1.21	1.30	1.05	1.23	1.28	1.04	1.21	1.29	1.10	1.24	1.27	1.11	1.23	1.30	1.10	1.24	1.33
P (%)	0.84	0.86	0.89	0.82	0.89	0.86	0.80	0.87	0.90	0.83	0.88	0.91	0.80	0.89	0.92	0.84	0.86	0.93
ME (kcal/kg) [*]	3019	3107	3215	3019	3107	3215	3002	3119	3213	3025	3110	3205	3042	3102	3210	3036	3108	3202
L (%) [*]	1.46	1.39	1.22	1.43	1.35	1.22	1.46	1.38	1.22	1.46	1.38	1.22	1.46	1.38	1.22	1.45	1.38	1.22
M (%) [*]	0.56	0.55	0.52	0.56	0.55	0.52	0.56	0.55	0.52	0.56	0.55	0.52	0.56	0.55	0.52	0.56	0.55	0.52

*Calculated value

PS: Pre-starter ration; S: Starter ration; F: Finisher ration.

DM= Dry matter; CP=Crude protein; EE= Ether extract; CF=Crude fibre; TA= Total ash; NFE= Nitrogen free extract; Ca= Calcium; ME= Metabolizable energy; P= Phosphorus; L=Lysine, M=Methionine.