



Effect of pomegranate (*Punica granatum*) peel powder supplementation on performance, carcass characteristics and haemato-biochemical parameters of broiler chickens

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Supplementary Table 1. Ingredient and nutrient composition of basal diet fed to experimental birds

Ingredient (kg)	Pre-starter feed	Starter feed	Finisher feed
Maize grain	54.28	55.05	58.25
Soybean meal	39.35	37.43	33.03
Vegetable oil	2.57	3.82	5.02
Dicalcium phosphate	1.78	1.83	1.9
Limestone	0.97	0.87	0.83
Common salt	0.3	0.3	0.3
Vitamin premix ¹	0.15	0.15	0.15
Trace Mineral premix ²	0.11	0.1	0.1
B-Complex ³	0.015	0.015	0.015
L-Lysine	0.17	0.15	0.14
DL-Methionine	0.15	0.13	0.11
Choline chloride	0.05	0.05	0.05
Coccidiostat	0.05	0.05	0.05
Toxin binder	0.05	0.05	0.05
Total	100.00	100.00	100.00
<i>Nutrient composition (%)</i>			
Dry matter	92.29	92.15	92.84
Crude protein	23.18	22.09	20.62
Ether extract	3.26	3.60	4.11
Crude fibre	3.19	3.22	3.46
Total ash	7.52	8.04	6.88
Nitrogen free extract	62.85	63.05	64.93
L-Lysine*	1.34	1.20	1.06
DL-Methionine*	0.54	0.51	0.47
Calcium*	1.00	1.00	1.00
Available phosphorus*	0.45	0.45	0.45
ME (kcal/kg) *	3000.85	3101.26	3200.65

¹Vitamin premix supplied per kg diet: Retinol, 2475 mcg; Cholecalciferol, 30 mcg; Menaquinone, 1 mg; Tocopherol as d-alpha tocopherol, 26.8 mg. ²Trace mineral premix supplied per kg diet: Mg, 300; Mn, 55; I, 0.4; Fe, 56; Zn, 30 and Cu, 4 mg. ³B-complex supplied per kg diet: 2 mg, Thiamine; 4 mg, Riboflavin; 10 mcg, Cyanocobalamin; 60 mg, Niacin and 10 mg, Pantothenic acid. *Calculated values

Supplementary Table 2. Effect of pomegranate peel powder supplementation on return over feed cost in broiler chickens

Particular	Treatments			
	T ₁	T ₂	T ₃	T ₄
Feed intake (g/bird)				
Pre-starter	120.35	120.88	118.97	121.43
Starter	1148.96	1150.46	1113.83	1190.43
Finisher	2518.04	2582.39	2554.35	2553.50
Feed cost (₹/bird) [‡]				
Pre-starter	5.54	5.56	5.47	5.59
Starter	52.85	52.92	51.24	54.76
Finisher	113.31	116.21	114.94	114.91
Total	171.70	174.69	171.65	175.25
Final body weight (g/bird)	2121.47	2165.40	2174.59	2252.68
Income from sale of birds [‡]	254.58	259.85	260.95	270.32
ROFC (₹/bird)	82.88	85.16	89.30	95.07
ROFC (₹/kg BW)	39.08	39.26	40.96	42.19
ROFC (%) over T ₁	-	0.5	4.8	8.0

[‡]Cost of pre-starter, starter, finisher feed – ₹ 46/-, 46/- and 45/-, respectively. [‡]Prevailing market price of broiler birds – ₹ 120/kg body weight. ROFC: Return over feed cost.