



Supplementary Material

Short Communication: Effects of the Dietary Inclusion of Lentil Byproducts on the Performance, Internal Organs Weight and Carcass Yield of Growing Quails

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Supplementary Table SI.- Ingredient and nutritive contents of the experimental diets.

Ingredient	Control	10% Lentil byproduct	15% Lentil by product	20% Lentil byproduct
Maize	582.82	531.16	505.33	479.49
Full fat soy bean	57.22	40.17	31.50	22.92
Fish meal(0.65CP)	80.00	80.00	80.00	80.00
Soybean meal (0.48 CP)	236.08	204.04	188.03	172.01
Lentil by product	-	100	150	200
Vitamin-Mineral premix*	2.50	2.50	2.50	2.50
DL-methionine	2.75	3.08	3.25	3.42
Monocalcium phosphate	11.13	11.65	11.91	12.16
Ground limestone	25.00	25.00	25.00	25.00
Salt	2.50	2.50	2.50	2.50
Total	1000	1000	1000	1000
Price (\$/Tonne)	438.74	426.33	420.12	413.92
The price difference per tonne compared to the control	-	% 2.53(12.41\$)	% 4.25(18.62\$)	% 5.65 (24.82\$)
Analyzed composition (%)				
Dry matter	90.45	90.28	90.57	90.38
Crude protein (CP)	21.69	21.64	21.79	21.44
Crude fiber	2.13	2.62	3.26	3.18
Crude ash	7.10	7.21	7.32	7.34
Ether extract	4.39	3.67	3.5	3.33
Starch	38.64	39.67	39.65	38.98
Sucrose	2.60	2.50	2.20	2.90
Metabolisable energy (MJ/kg)	11.66	11.65	11.69	11.68
Calculated composition (%)				
Methionine+Cysteine	1.10	1.10	1.10	1.10
Lysine	1.39	1.41	1.43	1.44
Calcium	1.34	1.35	1.35	1.35
Total phosphorus	0.74	0.74	0.75	0.74
Available phosphorus	0.60	0.60	0.60	0.60

*Vitamin-mineral premix (/kg diet): vitamin A, 12000 IU; vitamin D₃, 1500 IU; vitamin E, 30 mg; vitamin K₃, 5 mg; vitamin B₁, 3 mg; vitamin B₂, 6 mg; vitamin B₆, 5 mg; vitamin B₁₂, 0.03 mg; nicotine amid, 40 mg; calcium-D-pantothenate, 10 mg; folic acid, 0.75 mg; D-biotin, 0.075 mg; choline chloride, 375 mg; antioxidant, 10 mg; Mn, 80 mg; Fe, 80 mg; Zn, 60 mg; Cu, 8 mg; I, 0.5 mg; Co, 0.2 mg; Se, 0.15 mg.

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