

Table 6. Effect of black cumin on broiler performance (0-42 days).

Item	F-value	Means \pm Standard deviation				
		A	B	C	D	E
Initial weight (gm/bird).....	-	42	42	42	42	42
Final weight (gm/bird).....	-	1716	1731.50	1755	1761.67	1778.50
Weight gain (gm/bird).....	0.073 NS	1674 \pm 99.14	1689.50 \pm 90.56	1713 \pm 21.80	1719.67 \pm 214.55	1736.50 \pm 1
Feed intake (gm/bird).....	0.300 NS	3300 \pm 179.04	3368.47 \pm 170.72	3527.07 \pm 174.63	3443.23 \pm 506.09	3391.78 \pm 1
Feed efficiency(feed g/wt gain(g))	0.343 NS	1.970 \pm 0.06	1.993 \pm 0.03	2.077 \pm 0.26	2.003 \pm 0.10	1.957 \pm 0.1
Mortality %.....	0.33 NS	1 \pm 0.001	1 \pm 0.001	1 \pm 0.001	1 \pm 0.001	1 \pm 0.001

Values are means of 18 birds per dietary treatment

* With (4/10 degrees of freedom).

* Means in a row are similar (P>0.05)

*NS; Not Significant (P>0.05).

Carcass weight + Economical appraisal

Table 7. Effect of black cumin on hot dressing percentage of broiler chicks.

Item	F-value	Mean \pm Standard deviation				
		A	B	C	D	E
Hot dressing %	0.004 NS	70.30 \pm 3.42	70.23 \pm 0.93	70.17 \pm 1.94	70.33 \pm 0.90	70.23 \pm 0.93

Values are means of (6) carcasses per dietary treatment

* With (4/10 degrees of freedom).

*Means in a row are similar (P>0.05).

Table 8. Major inputs and margin over major in puts in experimental groups of broiler chicks fed black cumin

Item	A	B	C	D	E
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costs:					
Chicks.....	50.4	50.4	50.4	50.4	50.4
Feed.....	45.8	44.4	50.8	47.7	47
Electricity plus water.....	2	2	2	2	2
Management.....	1.4	1.4	1.4	1.4	1.4
Total costs (Sudanese pound).....	99.6	98.2	104.6	101.5	100.8
Total costs (Dollar).....	48.1	47.4	50.5	49	48.7
Cost/bird (Sudanese pound).....	5.9	5.8	6.2	6	5.9
Cost/kg live weight	3.5	3.4	3.6	3.5	3.4

Revenues:					
Average live weight of bird (kg)...	1.674	1.690	1.713	1.720	1.737
Total revenues (Sudanese pound).	199.2	201.1	203.8	204.7	206.7
Total revenues (dollar).....	96.2	97.2	98.5	98.9	99.9
Revenues/bird	11.7	11.8	11.9	12	12.2

Profit:					
Net profits (Sudanese pound).....	99.6	102.9	99.2	103.2	105.9
Net profits (dollar).....	48.1	49.7	47.9	49.9	51.2
Net profit/bird (Sudanese pound).	5.9	6.1	5.8	6.1	6.2

- *Total cost calculation according to 2008 current prices.
- *Cost of kg basal diet 0.860 Sudanese pounds.
- *Price/kg live weight 7 Sudanese pounds
- *Dollar exchange rate = 2.070.