

Table(2): Body weight (g) and body weight gain (g) from hatch till 16 weeks of age in male Sharkasi chicks as affected by genotype (G) and dietary protein (P) level.

Factor	Group	Body weight (wks)					Body weight gain (wks)					
		hatch	4	8	12	16	0-4	5-8	0-8	9-12	13-16	9-16
(G)	G1	30.4	242.0 ^a	588.4 ^a	1074.7 ^a	1449.6 ^a	211.6 ^a	346.4 ^a	557.9 ^a	486.2 ^a	374.9 ^a	861.2 ^a
	G2	30.0	241.7 ^a	579.3 ^b	1060.3 ^a	1409.9 ^a	211.7 ^a	337.6 ^b	549.3 ^b	480.9 ^a	349.6 ^b	830.6 ^b
	G3	30.8	235.4 ^b	573.4 ^b	948.6 ^b	1309.8 ^b	204.7 ^b	338.6 ^b	543.2 ^b	375.2 ^b	361.2 ^{ab}	735.9 ^c
(P)	P1	-	242.6 ^a	593.7 ^a	1059.6 ^a	1433.9 ^a	212.1 ^a	351.2 ^a	563.3 ^a	465.9 ^a	374.3 ^a	840.2 ^a
	P2	-	236.8 ^b	567.4 ^b	996.0 ^b	1353.6 ^b	206.5 ^b	330.5 ^b	537.1 ^b	428.6 ^b	349.6 ^b	778.3 ^b
(G x P)	G1xP1	-	242.3 ^a	599.8 ^a	1100.0 ^a	1486.7 ^a	211.6 ^a	357.6 ^a	569.1 ^a	500.2	386.7	886.9
	G1xP2	-	241.8 ^a	576.9 ^a	1049.3 ^{ab}	1412.5 ^{ab}	211.6 ^a	335.2 ^a	546.7 ^a	472.4	363.2	835.5
	G2xP1	-	240.9 ^a	583.3 ^a	1085.3 ^a	1441.6 ^a	211.1 ^a	342.4 ^a	553.4 ^a	502.4	356.3	858.3
	G2xP2	-	242.4 ^a	575.4 ^a	1035.2 ^{ab}	1378.2 ^{ab}	212.3 ^a	332.9 ^a	545.2 ^a	459.8	343.1	802.9
	G3xP1	-	244.5 ^a	598.1 ^a	993.6 ^{ab}	1373.4 ^{ab}	213.6 ^a	353.6 ^a	567.3 ^a	395.5	379.8	775.3
	G3xP2	-	226.3 ^b	549.8 ^b	903.7 ^b	1246.2 ^b	195.6 ^b	323.6 ^b	519.1 ^b	353.9	342.6	696.4
ANOVA	d.f	Probabilities										
(G)	2	-	**	**	**	**	**	*	**	**	**	**
(P)	1	-	**	**	**	**	**	**	**	**	**	**
G x P	2	-	**	**	*	**	**	*	**	N.S.	N.S.	N.S.
Error	764											

a, b, c, means within the same factor within the same column with different superscripts are significantly different (P<0.05).

NS, non significant; * P<0.05; ** P<0.01.

G1 =Na/na

G2 = Na/Na

G3 = na/na

P1 = High dietary protein level

P2 = Low dietary protein level

Table(3): Feed consumption (g/d) and feed conversion of Sharkasi chicks from 9-16 weeks of age as affected by genotype (G) and dietary protein (P) level.

Factor	Group	Feed consumption (g/b/d)			Feed conversion (g feed/g gain)		
		9-12 wks	13-16 wks	9-16 wks	9-12 wks	13-16 wks	9-16 wks
(G)	G1	71.04 ^b	77.95 ^b	149.00 ^b	4.25 ^b	6.17 ^b	4.94 ^b
	G2	68.60 ^c	72.83 ^c	141.43 ^c	4.21 ^b	6.75 ^a	4.90 ^b
	G3	74.67 ^a	85.65 ^a	160.30 ^a	6.00 ^a	7.20 ^a	6.38 ^a
(P)	P1	68.90 ^b	76.30 ^b	145.30 ^b	4.40 ^b	6.36 ^b	5.00 ^b
	P2	73.90 ^a	81.30 ^a	155.23 ^a	5.21 ^a	7.03 ^a	5.82 ^a
(G x P)	G1xP1	69.58 ^{ab}	76.57 ^{ab}	146.15 ^{ab}	4.08 ^b	5.90 ^b	4.73 ^b
	G1xP2	72.50 ^{ab}	79.33 ^{ab}	151.83 ^{ab}	4.41 ^{ab}	6.45 ^{ab}	5.16 ^{ab}
	G2xP1	66.22 ^b	71.02 ^b	137.24 ^b	3.85 ^b	6.80 ^{ab}	4.57 ^b
	G2xP2	70.98 ^{ab}	74.65 ^b	145.63 ^{ab}	4.51 ^{ab}	6.70 ^{ab}	5.20 ^{ab}
	G3xP1	71.13 ^{ab}	81.29 ^{ab}	152.40 ^{ab}	5.21 ^{ab}	6.45 ^{ab}	5.63 ^{ab}
	G3xP2	78.20 ^a	90.01 ^a	168.22 ^a	6.71 ^a	7.91 ^a	7.05 ^a
ANOVA	d.f	Probabilities					
(G)	2	**	**	**	**	**	**
(P)	1	**	**	**	**	**	**
G x P	2	**	**	**	**	**	**
Error	764						

a, b, c, means within the same factor within the same column with different superscripts are significantly different (P<0.05).

** P<0.01.

G1 =Na/na

G2 = Na/Na

G3 = na/na

P1 = High dietary protein level

P2 = Low dietary protein level

Table(4): Effect of genotype (G) and dietary protein (P) level on carcass measurements of male Sharkasi chicks at 16 weeks of age.

Factor	Group	Body weight (g)	Feather %	Ready to cook %	Giblets %	Dressing %	Breast %	Thighs %	Breast meat %	Thighs meat %
(G)	G1	1619.3 ^a	4.85 ^b	67.70 ^a	3.75 ^{ab}	71.45 ^{ab}	15.75 ^a	25.05 ^a	12.20 ^a	19.00 ^a
	G2	1522.8 ^b	3.60 ^c	69.25 ^a	3.90 ^a	73.10 ^a	16.60 ^a	25.25 ^a	12.35 ^a	19.85 ^a
	G3	1636.2 ^a	6.45 ^a	63.45 ^b	3.55 ^b	66.95 ^b	13.75 ^b	22.90 ^b	10.45 ^b	17.05 ^b
(P)	P1	1632.2 ^a	4.90	67.95 ^a	3.80 ^a	71.70 ^a	15.70 ^a	24.90 ^a	12.10 ^a	19.00 ^a
	P2	1558.2 ^b	5.00	65.70 ^b	3.65 ^b	69.35 ^b	15.05 ^b	23.90 ^b	11.30 ^b	18.30 ^b
(G x P)	G1xP1	1671.6	4.90	68.10 ^{ab}	3.95 ^a	72.00 ^b	16.35 ^a	25.20 ^a	12.50 ^a	19.30
	G1xP2	1567.0	4.80	67.30 ^{ab}	3.50 ^b	70.80 ^{ab}	15.18 ^{ab}	24.90 ^a	11.90 ^{ab}	18.70
	G2xP1	1561.5	3.45	69.90 ^a	3.95 ^a	73.85 ^a	16.50 ^a	25.70 ^a	12.50 ^a	20.30
	G2xP2	1484.0	3.70	68.60 ^{ab}	3.90 ^a	72.45 ^a	16.70 ^a	24.90 ^a	12.20 ^{ab}	19.40
	G3xP1	1663.4	6.40	65.80 ^b	3.50 ^b	69.20 ^{ab}	14.20 ^b	23.75 ^{ab}	11.20 ^{ab}	17.30
	G3xP2	1609.0	6.50	61.10 ^c	3.60 ^b	64.70 ^c	13.30 ^b	22.00 ^b	9.70 ^b	16.80
ANOVA	d.f	Probabilities								
(G)	2	**	**	**	**	**	**	**	**	**
(P)	1	**	N.S.	**	*	**	**	**	**	**
G x P	2	N.S.	N.S.	**	**	**	*	**	**	N.S.
Error	114									

a,b,c, means within the same factor within the same column with different superscripts are significantly different (P<0.05).

NS, non significant; * P<0.05; ** P<0.01.

G1 = Na/na

G2 = Na/Na

G3 = na/na

P1 = High dietary protein level

P2 = Low dietary protein level

Table(5): Breast and thigh meat composition of male Sharkasi chicks as affected by genotype (G) and dietary protein (P) level.

Factor	Group	Breast meat				Thigh meat			
		Moisture %	Protein %	Fat %	Ash %	Moisture %	Protein %	Fat %	Ash %
(G)	G1	72.16	86.75	5.70 ^{ab}	6.68	72.20	77.60	9.90 ^b	11.80 ^b
	G2	72.11	87.80	5.14 ^b	6.20	71.80	76.80	8.40 ^c	13.60 ^a
	G3	73.07	85.80	6.50 ^a	6.65	72.02	74.50	12.02 ^a	11.90 ^b
(P)	P1	72.56	89.90 ^a	3.95 ^b	5.17 ^b	72.09	78.80 ^a	8.80 ^b	11.69 ^b
	P2	72.30	83.70 ^b	7.62 ^a	7.80 ^a	71.90	73.90 ^b	11.46 ^a	13.14 ^a
(G x P)	G1xP1	72.30	90.30	3.48	5.05	72.39	80.21	8.04 ^b	11.30
	G1xP2	72.03	83.20	7.93	8.31	72.00	75.00	11.79 ^{ab}	12.30
	G2xP1	72.23	89.90	3.85	5.43	71.83	78.30	8.31 ^b	12.64
	G2xP2	72.00	85.70	6.44	6.97	71.70	75.20	8.52 ^b	14.47
	G3xP1	73.15	89.40	4.53	5.03	72.04	77.65	9.97 ^b	11.13
	G3xP2	73.00	82.20	8.50	8.07	72.00	71.40	14.07 ^a	12.64
ANOVA	d.f	Probabilities							
(G)	2	N.S.	N.S.	**	N.S.	N.S.	N.S.	**	*
(P)	1	N.S.	**	**	**	N.S.	**	**	**
G x P	2	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	**	N.S.
Error	114								

a,b,c, means within the same factor within the same column with different superscripts are significantly different (P<0.05).

NS, non significant; * P<0.05; ** P<0.01.

G1 = Na/na

G2 = Na/Na

G3 = na/na

P1 = High dietary protein level

P2 = Low dietary protein level