

**Table (3): Effect of xylanase enzyme supplementation and metabolizable energy level on carcass characteristics of broiler chicks at 40 days of age.**

Treatments	Carcass			Front quarter (FQ)			Back quarter (BQ)			
	Dressing (% from live weight)	Edible Parts (% from carcass)	Abdominal fat (% from carcass)	Breast weight (% from carcass)	Skin (% from Breast)	Total weight (% from carcass)	Thigh		Drums stick (DS)	
							Weight (% from BQ)	Skin (% from Thigh)	weight (% from BQ)	Skin (% from DS)
Main effect										
- Xylanase Supplementation (16000 U/kg)										
Without	70.00 <sup>b</sup>	5.51 <sup>a</sup>	1.11	18.52 <sup>b</sup>	6.89 <sup>a</sup>	17.81	59.31	7.28	40.69	9.00
With (Xyl.)	73.71 <sup>a</sup>	4.99 <sup>b</sup>	1.03	19.83 <sup>a</sup>	5.72 <sup>b</sup>	18.01	59.36	6.63	40.64	9.15
Mean of SE	±0.44	±0.14	±0.07	±0.22	±0.33	±0.24	±1.05	±0.54	±1.05	±0.34
Probability	0.0001	0.02	N.S	0.001	0.03	N.S	N.S	N.S	N.S	N.S
Metabolizable Energy (Kcal/kg)										
STD	71.99 <sup>ab</sup>	5.51	1.32 <sup>a</sup>	19.10 <sup>b</sup>	7.62 <sup>a</sup>	18.27	62.68 <sup>a</sup>	8.09	37.32 <sup>b</sup>	8.14 <sup>b</sup>
E100	73.21 <sup>a</sup>	5.06	1.03 <sup>b</sup>	20.33 <sup>a</sup>	5.42 <sup>b</sup>	17.40	58.20 <sup>b</sup>	6.27	41.80 <sup>a</sup>	9.72 <sup>a</sup>
E150	70.38 <sup>b</sup>	5.19	0.88 <sup>b</sup>	18.11 <sup>c</sup>	5.88 <sup>b</sup>	18.08	57.13 <sup>b</sup>	6.50	42.87 <sup>a</sup>	9.36 <sup>ab</sup>
Mean of SE	±0.54	±0.17	±0.08	±0.26	±0.40	±0.30	±1.29	±0.66	±1.29	±0.41
Probability	0.01	N.S	0.01	0.0003	0.006	N.S	0.02	N.S	0.02	N.S
Treatments										
STD	69.18 <sup>c</sup>	5.79	1.44 <sup>a</sup>	17.71 <sup>b</sup>	8.28 <sup>a</sup>	17.79	61.27 <sup>ab</sup>	8.10	38.73 <sup>ab</sup>	8.67 <sup>ab</sup>
STD+Xyl	74.79 <sup>a</sup>	5.24	1.19 <sup>ab</sup>	20.48 <sup>a</sup>	6.96 <sup>ab</sup>	18.74	64.08 <sup>a</sup>	8.07	35.92 <sup>b</sup>	7.61 <sup>b</sup>
E100	71.82 <sup>b</sup>	5.20	1.02 <sup>b</sup>	19.92 <sup>a</sup>	6.39 <sup>b</sup>	17.11	59.88 <sup>ab</sup>	7.08	40.12 <sup>ab</sup>	9.80 <sup>a</sup>
E100+Xyl	74.59 <sup>a</sup>	4.91	1.04 <sup>b</sup>	20.74 <sup>a</sup>	4.44 <sup>c</sup>	17.68	56.52 <sup>b</sup>	5.46	43.48 <sup>a</sup>	9.64 <sup>a</sup>
E150	68.99 <sup>c</sup>	5.55	0.88 <sup>b</sup>	17.94 <sup>b</sup>	6.00 <sup>bc</sup>	18.54	56.78 <sup>b</sup>	6.65	43.22 <sup>a</sup>	8.52 <sup>ab</sup>
E150+Xyl	71.76 <sup>b</sup>	4.82	0.87 <sup>b</sup>	18.28 <sup>b</sup>	5.76 <sup>bc</sup>	17.62	57.48 <sup>b</sup>	6.35	42.52 <sup>a</sup>	10.20 <sup>a</sup>
Mean of SE	±0.76	±0.24	±0.12	±0.37	±0.57	±0.42	±1.83	±0.93	±1.83	±0.59
Probability	0.0004	N.S	0.04	0.0002	0.01	N.S	0.08	N.S	0.08	0.07

*a,b,... = Means in the same column with different superscripts, differ significantly (P<0.05); N.S= Non significant.*

*STD = Standard requirements; Xyl = Xylanase; E100 = 100 kcal/kg diet lower than STD; E150 = 150 kcal/kg diet lower than STD.*

*Front quarter (FQ): Breast quarter without wing Back quarter (BQ): Leg quarter including thigh and drum stick*