Table 3. Growth performance traits of rabbits from 5 to 12 weeks of age as affected by experimental treatments

Items	Initial BW (g)	Final BW (g)	DBG (g)	RGR %	DFI (g)	FC (g FI/g BG)	Viability %
WSP effects, %	**NS**	**NS**	**NS**	**NS**	*	**NS**	
0 (Control)	745.30±1.25	1976.75±5.56	25.13±1.34	89.29 ±3.12	99.95^{e} ±0.52	3.98±0.65	100
5	746.45±1.71	2012.25±4.95	25.83±0.51	91.60 ±1.01	103.33^{d}±0.57	4.02±0.07	95
10	744.60±1.43	1998.25±5.79	25.58 ±0.53	91.23 ±1.02	105.45^{c}±0.51	4.15±0.07	90
15	744.25±1.34	1976.50±4.03	25.15 ±0.50	90.42 ±1.01	106.82^{b}±0.72	4.28±0.08	90
20	745.45±1.50	1964.75±3.21	24.88 ±0.47	89.83 ±0.92	111.43^{a}±0.56	4.50±0.07	85
Enzymes effects	**NS**	*	*	*	*	**NS**	
Without enzymes	745.56±0.95	1894.3^{b} ±4.88	23.44^{b}±0.10	87.01^{b} ±0.23	103.94^{b}±0.60	4.44±0.04	94
With enzymes	744.86±0.86	2077.1^{a} ±2.33	27.19^{a}±0.46	93.94^{a} ±1.27	106.85^{a}±0.63	4.14±0.26	90
Interaction effects	**NS**	*	*	*	*	**NS**	
0 (Control)	746.50±2.11	1921.5^{b}±9.69	23.98^{b}±0.20	88.07^{bc} ±0.48	98.31^{f} ±0.52	4.10±0.04	100
0(Control)X Enz.	744.10±1.38	2032.0^{a}±10.7	26.38^{a}±2.26	90.51^{abc}±6.36	101.60^{e}±0.51	3.85±1.32	100
5 %WSP	748.00±2.45	1912.5^{b}±9.55	23.77^{b}±0.19	87.53^{bc} ±0.42	101.43^{e}±0.51	4.27±0.04	100
5 %WSP X Enz.	744..90±2.41	2112.0^{a}±8.08	27.90^{a}±0.34	95.67^{a} ±0.64	105.23^{cd}±0.56	3.78±0.05	90
10%WSP	744.70±1.83	1895.5^{b} ±9.32	23.49^{b}±0.19	87.16^{c} ±0.41	103.81^{d}±0.46	4.42±0.03	90
10%WSP X Enz.	744.50±2.29	2101.0^{a}±9.42	27.68^{a}±0.30	95.30^{a} ±0.73	107.10^{c}±0.52	3.88±0.58	90
15%WSP	744.50±2.28	1876.0^{b}±9.39	23.09^{b}±0.23	86.34^{c} ±0.61	106.53^{c}±0.62	4.62±0.05	90
15%WSP X Enz.	744.00±1.63	2077.0^{a}±9.31	27.20^{a}±0.22	94.49^{a} ±0.47	107.12^{c}±1.34	3.94±0.04	90
20%WSP	744.10±2.18	1866.0^{b} ±6.62	22.90^{b}±0.14	85.96^{c} ±0.39	109.62^{b}±0.48	4.79±0.04	90
20%WSP X Enz.	746.80±2.05	2063.5^{a}±7.96	26.87^{a}±0.15	93.70^{ab}±0.31	113.23^{a}±0.60	4.22±0.03	80

Means having different letters at the same column within each factor are differ significantly.

* = ($P<0.05$), NS= Not significant.

WSP= Wheat screening by-product, Enz.=Enzymes (1-4 β-xylanase and α-amylase), BW= Body weight, DBG= Daily body weight gain, RGR= Relative growth rate, DFI= Daily feed intake, FC = Feed conversion

Table 6. Some blood constituents of rabbits as affected by experimental treatments

Items	Total protein (g/dl)	Albumin (g/dl)	Globulin (g/dl)	Cholesterol (mg/dl)	AST (U/L)	ALT (U/L)	Urea (mg/dl)
WSP effects, %	*	NS	NS	*	NS	NS	*
0 (Control)	7.53 [a] ±0.15	4.09±0.31	3.45±0.18	116.09[a]±0.52	12.81 ±0.82	14.13 ±0.83	40.68[a]±0.09
5 %	7.24 [a] ±0.16	3.73±0.31	3.51±0.37	113.79[b]±1.04	13.32 ±1.57	14.66 ±1.19	38.56[b]±0.09
10%	6.65 [b] ±0.15	3.20±0.31	3.45±0.34	110.30[c]±0.53	13.19 ±1.06	14.69 ±1.55	32.76[c]±0.09
15%	6.32[bc]±0.15	3.12±0.31	3.21±0.45	108.78[d]±1.03	13.32 ±1.56	14.22 ±1.36	31.23[d]±0.13
20%	5.94 [c] ±0.15	3.15±0.32	2.79±0.34	106.22[e]±0.84	13.18 ±0.81	14.87 ±1.55	30.51[e]±0.13
Enzymes effects	NS	NS	NS	*	*	*	NS
Without	6.80 ±0.16	3.52±0.20	3.28±0.23	112.89[a]±0.80	16.39 [a] ±0.32	18.04 [a] ±0.30	34.74 ±0.94
With	6.67 ±0.16	3.39±0.12	3.28±0.21	109.18[b]±0.89	10.34 [b] ±0.19	11.39 [b] ±0.22	34.75 ±0.94
Interaction effects	*	NS	NS	*	*	*	*
0 (Control)	7.57 [a] ±0.23	4.10±0.47	3.47±0.27	117.13[a] ±0.51	14.91 [d] ±0.31	16.16 [b] ±0.47	40.66[a]±0.14
0(Control)x Enz.	7.50 [a] ±0.23	4.07±0.47	3.43±0.27	115.04[b] ±0.51	10.72 [e] ±0.31	12.10 [c] ±0.47	40.69[a]±0.14
5 %WSP	7.37[ab] ±0.22	3.75±0.47	3.62±0.39	116.38[ab]±0.51	17.41 [b] ±0.31	17.67 [a] ±0.47	38.54[b]±0.14
5 %WSP x Enz.	7.10[abc]±0.23	3.70±0.47	3.40±0.68	111.20[c] ±0.54	9.23 [f] ±0.51	11.62 [c] ±0.47	38.59[b]±0.14
10%WSP	6.69[bcd]±0.23	3.22±0.47	3.48±0.68	111.34 [c]±0.52	15.93 [c] ±0.31	18.71 [a] ±0.47	32.77[c]±0.14
10%WSP x Enz.	6.61[cde]±0.23	3.18±0.47	3.43±0.29	109.26[d] ±0.54	10.45 [e] ±0.31	10.68 [c] ±0.43	32.75[c]±0.14
15%WSP	6.38 [de]±0.23	3.13±0.47	3.25±0.69	111.35 [c]±0.52	18.40 [a] ±0.31	18.74 [a] ±0.47	31.24[d]±0.20
15%WSP x Enz.	6.27 [de]±0.23	3.10±0.47	3.17±0.68	106.20 [e]±0.52	10.24 [e] ±0.31	11.69 [c] ±0.43	31.22[d]±0.19
20%WSP	5.98 [de]±0.23	3.40±0.47	2.58±0.53	108.26[d] ±0.52	15.29 [cd]±0.22	18.89 [a] ±0.47	30.50[e]±0.20
20%WSP x Enz.	5.89 [e] ±0.23	2.90±0.47	2.99±0.48	104.18 [f] ±0.52	11.07 [e] ±0.27	10.86 [c] ±0.43	30.52[e]±0.19

Means having different letters at the same column within each factor are differ significantly.

* = ($P<0.05$), NS= Not significant.

WSP= wheat screening by-product, Enz.=Enzymes (1-4 β-xylanase and α-amylase), AST= Aspartate aminotransferase, ALT= Alanine aminotransferase