Table 2. Effect of experimental treatments on productive performance parameters of Californian male rabbits (5-12 weeks of age)

Treatment groups	Productive performance parameters							
	IBW, g	**FBW, g**	**BWG, g**	**FC, g**	**FCR %**	**PER %**	**FE %**	**PI, g**
T1	574.88	1904.38^{c}	1329.50^{c}	5476.50^{a}	4.12^{ab}	1.43^{c}	0.24^{b}	931.01^{a}
T2	580.50	2033.00^{b}	1452.50^{b}	5410.35^{a}	3.72^{c}	1.58^{b}	0.27^{ab}	919.76^{a}
T3	550.63	2158.75^{a}	1608.12^{a}	5221.88^{b}	3.25^{d}	1.81^{a}	0.31^{a}	887.72^{b}
T4	556.88	2121.25^{ab}	1564.37^{ab}	5243.00^{b}	3.35^{d}	1.76^{a}	0.30^{a}	891.31^{b}
T5	552.60	2108.13^{ab}	1555.53^{ab}	5137.13^{b}	3.30^{d}	1.78^{a}	0.30^{a}	873.31^{b}
T6	556.88	1665.63^{d}	1108.75^{d}	4449.50^{e}	4.01^{b}	1.47^{c}	0.25^{b}	756.42^{d}
T7	558.75	1648.75^{d}	1090.00^{d}	4632.75^{d}	4.25^{ab}	1.38^{cd}	0.24^{b}	787.57^{d}
T8	557.50	1600.63^{d}	1043.13^{d}	4781.75^{c}	4.58^{a}	1.28^{d}	0.22^{c}	812.90^{c}
SEM	7.22	23.42	26.23	22.27	0.08	0.073	0.005	4.04
Sig. level	**NS**	**	**	**	**	**	**	**

$^{a\text{-}b\text{-}c\text{-}d}$: Values in the same column with different superscripts differ significantly ($P \leq 0.05$),
NS = Not significant, , **= ($P \leq 0.01$).
IBW= Initial body weight, FBW= Final body weight, BWG= Bodyweight gain, FC= Feed consumption, FCR = Feed conversion ratio, PI = Protein intake, FE = Feed efficiency, PER = Protein efficiency ratio.

Table 3. Effect of experimental treatments on nutrients digestibility of Californian male rabbits

Treatment groups	Nutrients digestibility %					
	DM	**OM**	**CP**	**CF**	**EE**	**NFE**
T1	70.2	71.30	62.6[b]	10.40[c]	81.40	83.40
T2	72.4	71.46	70.9[a]	31.73[a]	79.75	76.42
T3	74.1	74.90	70.90[a]	29.20[a]	84.10	84.31
T4	71.5	72.60	71.20[a]	33.00[a]	80.70	82.35
T5	72.7	74.10	70.80[a]	36.10[a]	81.90	82.22
T6	70.5	71.70	60.60[b]	25.40[b]	78.10	78.58
T7	71.4	70.10	61.90[b]	28.10[b]	76.90	79.90
T8	70.6	71.50	62.70[b]	27.80[b]	78.80	80.10
SEM	1.52	1.72	3.74	4.18	0.97	1.51
Sig. level	**NS**	**NS**	******	******	**NS**	**NS**

[a-b-c-] Values in the same column with different superscripts differ significantly (P≤0.05),

NS= Not significant, *= (P≤0.05), **= (P≤0.01).

DM = Dry matter, OM = Organic matter, CP = Crude protein, CF = crude fiber, EE = Ether extract, NFE = Nitrogen free extract.

Table 6. Effect of experimental treatments on lipid profile and kidney function of Californian male rabbits (12 weeks of age)

Lipid profile and kidney function parameters							
Treatment groups	**Lipid profile**		**Lipid profile function**			**Kidney function**	
	TG, (mg/dl)	**CH, (mg/dl)**	**HDL-c, (mg/dl)**	**LDL-c, (mg/dl)**	**V-LDL, (mg/dl)**	**Urea (mg/dl)**	**Creatinine (mg/dl)**
T1	54.45[a]	102.83[a]	34.73[b]	57.21[a]	10.89[a]	22.27[a]	0.75[a]
T2	46.47[b]	79.87[b]	36.70[b]	33.87[bc]	9.29[b]	18.13[b]	0.60[b]
T3	43.63b	74.53b	39.33[ab]	26.47[cd]	8.73[b]	17.63[bc]	0.56[b]
T4	42.93b	76.07b	42.23[a]	25.25[d]	8.59[b]	18.70[b]	0.55[bc]
T5	42.93b	72.77b	43.80[a]	20.38[d]	8.89[b]	16.23b[c]	0.41[d]
T6	47.27[b]	80.73[b]	36.93[b]	34.35[bc]	9.45[b]	17.20[b]	0.53[c]
T7	41.70c	78.67b	35.47[b]	34.35[bc]	9.45[b]	18.47[b]	0.54[c]
T8	44.93[b]	79.33[b]	34.70[b]	35.65[b]	8.99[b]	18.20[b]	0.47[cd]
SEM	0.92	1.20	1.29	2.23	0.26	0.53	0.04
Sig. level	**	**	**	**	**	**	**

[a-b-c-] Values in the same column with different super scripts differ significantly,

**=($P \leq 0.01$).

TG=Total glyceride, CH=Total cholesterol, HDL-c= High density lipoprotein, LDL-c= Low density lipoprotein, V-LDL-c=Very low lipoprotein.

Table 9. Effect of experimental treatments on economic efficiency of Californian male rabbits (5-12 weeks of age)

Items	Treatment groups							
	T1	**T2**	**T3**	**T4**	**T5**	**T6**	**T7**	**T8**
Final body weight, kg	1.90	2.03	2.16	2.12	2.11	1.67	1.65	1.60
Price of 1 kg body weight, L.E.	95	95	95	95	95	95	95	95
Price of weaning litter (L.E.)	60	60	60	60	60	60	60	60
Net profit (L.E.)	180.5	192.9	205.2	201.4	200.5	158.7	156.8	152.0
Total cost of treatment (L.E.)	0	0.20	3.5	7.0	10.5	3.7	7.9	10.7
Total feed intake, kg	5.48^{a}	5.48^{a}	5.22^{b}	5.24^{b}	5.14^{b}	4.45^{e}	4.63^{d}	4.78^{c}
Price of 1 kg feed, (L.E)	16	16	16	16	16	16	16	16
Total feed cost/rabbit, (L.E.)	87.68	87.68	83.52	83.84	82.24	71.2	74.08	76.48
Total cost/rabbit (L.E.)	147.68	147.88	147.02	150.84	152.74	134.9	141.98	147.18
Net revenue/rabbit, (L.E.)[1]	32.82	45.02	58.18	50.56	47.76	23.8	14.82	4.82
Economic efficiency[2]	22.22^{c}	30.44^{bc}	39.57^{b}	33.52^{bc}	31.27^{a}	17.64^{c}	10.44^{d}	3.27^{f}
Relative economic efficiency	100	136.99	178.08	150.86	140.73	79.39	46.98	14.72

$^{a\text{-}b\text{-}c\text{-}d\text{-}f}$: Values in the same column with different superscripts differ significantly ($P \leq 0.05$).

Net profit = (FBW × price of 1 kg meat), L.E.

Net revenue = Net profit–Total cost, L.E.

Economic efficiency = (Net revenue / Total cost) × 100 Relative economic efficiency = (Treatment/control) ×100

Total cost = (Total feed intake × Kg feed cost, 16 L.E./kg) + Price of weaning litter (60 L.E.) + Total cost of treatment

Total cost of treatment (L.E.) = (Cost of yeast + Cost of ZAD) during experimental