



Effect of feeding cauliflower leaf meal on blood-biochemical, immunity status and carcass characteristics of growing goat kids

A P BANSOD¹, S K SAHA^{1✉}, A K VERMA¹, L C CHAUDHARY¹ and THEERTHESH M¹

ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly, Uttar Pradesh 243 122 India

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Supplementary Table 1. Effect of feeding CLM on haematological profile of goat kids

Attribute	Days	Dietary treatment			Mean	SEM	P- value		
		T ₀	T ₁	T ₂			T	P	T*P
TLC (109/l)	0	10.94	10.86	11.04	11.72	5.30	0.47	0.55	0.41
	60	12.00	12.30	13.30	12.43				
	120	13.00	13.20	13.44	12.91				
	Mean	11.97	12.12	12.99					
Granulocyte (%)	0	63.60	63.20	62.70	63.16	0.30	0.07	0.04	0.88
	60	64.20	63.72	63.30	63.77				
	120	64.40	63.80	63.86	63.93				
	Mean	64.01	63.57	63.29					
Lymphocyte (%)	0	24.04	23.50	23.69	23.66	0.47	0.016	0.018	0.165
	60	24.30	24.50	25.15	25.11				
	120	25.45	25.86	25.86	25.52				
	Mean	24.48	25.01	25.15					
Hb (g/dl)	0	9.70	9.74	9.77	9.74	0.21	0.85	0.14	0.70
	60	9.98	10.12	10.14	10.25				
	120	10.18	10.22	10.35	10.38				
	Mean	9.69	10.07	10.08					
PCV (%)	0	29.12	29.23	29.32	29.22	0.65	0.85	0.13	0.70
	60	29.04	30.36	30.53	29.96				
	120	30.54	30.66	31.02	30.74				
	Mean	29.56	30.18	30.29					

^{a, b, c} Mean± S.E) with different superscript in a row differ significantly (P<0.05). ^{A, B, C} Mean±S.E with different superscript in a column differ significantly (P<0.05).

Supplementary Table 2. Effect of feeding CLM on biochemical profile of goat kids

Attribute	Days	Dietary treatment			Mean	SEM	P-value		
		T ₀	T ₁	T ₂			T	P	T*P
TP (mg/dl)	0	6.41	6.45	6.45	6.45	0.03	0.001	0.11	0.06
	60	6.46	6.48	6.78	6.57				
	120	6.67	6.72	6.96	6.78				
	Mean	6.52	6.55	6.71					
Albumin(mg/dl)	0	2.48	2.54	2.61	2.55	0.05	0.003	0.06	0.66
	60	2.49	2.66	2.71	2.60				
	120	2.51	2.70	2.73	2.65				
	Mean	2.46	2.64	2.65					
Globulin(mg/dl)	0	3.86	3.91	3.83	3.90	0.06	0.11	0.001	0.19
	60	3.95	3.89	4.04	3.91				
	120	3.98	4.09	4.23	4.13				
	Mean	4.01	3.90	4.03					
AG ratio	0	0.62	0.65	0.65	0.65	0.01	0.02	0.21	0.52
	60	0.66	0.69	0.67	0.68				
	120	0.63	0.68	0.68	0.65				
	Mean	0.63	0.68	0.67					
Calcium (mg/dl)	0	9.34	9.38	9.32	9.35	0.03	0.28	0.20	0.75
	60	9.58	9.58	9.57	9.58				
	120	9.61	9.60	9.60	9.57				
	Mean	9.51	9.52	9.67					
Phosphorous (mg/dl)	0	3.16	3.06	3.11	3.07	0.02	0.07	0.31	0.55
	60	3.23	3.26	3.33	3.11				
	120	3.37	3.41	3.45	3.27				
	Mean	3.26	3.24	3.29					
Urea (mg/dl)	0	36.59	37.01	37.32	36.97	0.45	8.30	0.05	1.79
	60	34.64	35.65	35.25	35.18				
	120	36.68	35.21	35.22	35.70				
	Mean	35.97	35.70	35.93					
Urea N (mg/dl)	0	17.28	17.25	17.43	17.33	0.18	11.92	0.607	3.35
	60	16.18	16.65	16.46	16.43				
	120	17.42	16.44	16.45	16.78				
	Mean	16.96	16.79	16.78					
Total cholesterol (mg/dl)	0	71.54	71.63	71.58	71.90C	0.15	0.001	0.001	0.006
	60	71.27	71.16	70.63	71.36B				
	120	71.60	70.46	69.61	70.56A				
	Mean	71.13c	71.08b	70.59a					
Glucose (mg/dl)	0	46.25	45.54	45.85	46.01	0.18	0.458	0.512	0.498
	60	46.03	45.09	44.56	45.53				
	120	45.23	45.20	43.75	44.88				
	Mean	45.98	45.18	44.79					

^{a, b, c} Mean±S.E) with different superscript in a row differ significantly (P<0.05). ^{A, B, C} Mean± S.E with different superscript in a column differ significantly (P<0.05).

Supplementary Table 3. Effect of feeding CLM on enzymatic profile of goat kids

Attributes	Days	Dietary treatment			Mean	SEM	P-value		
		T ₀	T ₁	T ₂			T	P	T*P
ALT (U/I)	0	123.62	121.76	123.18	122.85	0.58	0.30	0.10	0.09
	60	123.74	124.77	122.85	123.76				
	120	124.72	122.94	122.47	123.3				
	Mean	124.03	123.15	122.80					
AST(IU/L)	0	96.84	97.33	97.58	97.25	0.34	0.96	0.05	0.05
	60	95.96	96.55	96.78	96.43				
	120	95.16	96.00	96.69	95.93				
	Mean	96.01	96.61	97.02					
ALP (IU/L)	0	23.36	22.40	23.30	23.02	0.66	0.14	0.30	0.99
	60	21.40	22.55	22.79	22.25				
	120	22.23	21.42	22.06	22.03				
	Mean	22.72	21.95	22.13					

^{a, b, c} Mean±S.E with different superscript in a row differ significantly (P<0.05). ^{A, B, C} Mean ± S.E with different superscript in a column differ significantly (P<0.05).

Supplementary Table 4. Effect of feeding CLM on cell mediated immunity

Hours post injection	Dietary treatment			Mean	SEM	P-value		
	T ₀	T ₁	T ₂			T	P	T*P
<i>Increased skin fold thickness (mm)</i>								
12	2.32	2.64	2.82	2.58 ^{AB}	0.12	0.06	0.00	0.06
24	2.35	3.72	3.01	3.08 ^A				
48	1.38	2.59	1.81	1.97 ^{BC}				
72	1.25	1.30	1.12	1.26 ^B				
Mean	1.82 ^b	2.52 ^a	2.22 ^{ab}					

^{a, b, c} Mean±S.E with different superscript in a row differ significantly (P<0.05). ^{A, B, C} Mean±S.E with different superscript in a column differ significantly (P<0.05).

Supplementary Table 5. Effect of feeding CLM on humoral immunity

Days post injection	Dietary treatment			Mean	SEM	P-value		
	T ₀	T ₁	T ₂			T	P	T*P
0	1	1	1	1 ^A	0.045	0.001	0.001	0.003
7	2.36	2.62	2.76	2.58 ^B				
14	2.52	2.74	2.87	2.71 ^D				
21	2.62	2.92	3.06	2.87 ^E				
28	2.50	2.73	2.65	2.60 ^C				
Mean	1.66 ^a	1.84 ^b	1.94 ^c					

^{a, b, c} Mean±S.E with different superscript in a row differ significantly (P<0.05). ^{A, B, C} Mean±S.E with different superscript in a column differ significantly (P<0.05).