

Table 4. Effect of supplemented different levels of dietary bagasse and aflatoxin (Means±SE) on productive performance of growing rabbits.

Item	Treatment groups									Sig.
	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆	T ₇	T ₈	T ₉	
No. of rabbits	6	6	6	6	6	6	6	6	6	
Live body weight (g)										
5 weeks	745.83±35.62	762.00±35.62	740.83±35.62	767.50±35.62	745.83±35.62	760.00±35.62	775.00±35.62	742.50±35.62	726.68±35.62	NS
9 weeks	1710± 77.57	1549±77.57	1642.5±77.57	1651.7±77.57	1558.3±77.57	1546.7±77.57	1582.5±77.57	1600±77.57	1510.8±77.57	NS
13 weeks	2087±118.38	2150±108.07	2194±118.38	2156.7±108.1	2279.2±108.07	2146±118.38	2220.8±108.07	2177.5±108.07	2204±118.38	NS
Daily weight gain (g)										
5-9 weeks	28.04±2.47	21.22±2.47	25.51±2.47	24.94±2.47	21.79±2.47	21.25±2.47	23.25±2.47	23.15±2.47	22.77±2.47	NS
9-13 weeks	14.00 ^b ±3.02	21.46 ^{ab} ±2.75	20.14 ^{ab} ±3.02	18.04 ^{ab} ±2.75	25.74 ^a ±2.75	22.93 ^{ab} ±3.02	22.80 ^{ab} ±2.75	20.63 ^{ab} ±2.75	21.96 ^{ab} ±3.02	*
5-13 weeks	21.02±1.95	21.34±1.78	22.64±1.95	21.49±1.78	23.76±1.78	21.71±1.95	22.98±1.78	21.79±1.78	23.25±1.95	NS
Daily feed consumption (g)										
5-9 weeks	138.13 ^b ±7.47	125.76 ^{bc} ±7.47	176.19 ^a ±7.47	121.76 ^{bc} ±7.47	121.43 ^{bc} ±7.47	118.24 ^{bc} ±7.47	125.63 ^{bc} ±7.47	125.71 ^{bc} ±7.47	109.38 ^c ±7.47	*
9-13 weeks	164.12 ^{ab} ±10.49	143.45 ^{ab} ±9.57	167.18 ^a ±10.49	145.89 ^{ab} ±9.57	164.45 ^a ±10.49	120.25 ^b ±10.49	175.89 ^a ±9.57	156.82 ^a ±9.57	155.64 ^a ±10.49	*
5-13 weeks	141.62 ^{bc} ±8.34	134.61 ^{bc} ±7.62	170.48 ^a ±8.34	133.82 ^{bc} ±7.62	142.18 ^{bc} ±8.34	117.61 ^c ±8.34	150.76 ^{ab} ±7.62	141.26 ^{bc} ±7.62	135.46 ^{bc} ±8.34	*
Feed conversion ratio (g feed/ g gain)										
5-9 weeks	2.80 ^{bc} ±0.14	3.17 ^b ±0.14	3.66 ^a ±0.14	2.66 ^c ±0.14	2.95 ^{bc} ±0.14	3.01 ^{bc} ±0.14	2.75 ^{bc} ±0.14	2.91 ^{bc} ±0.14	2.71 ^c ±0.14	*
9-13 weeks	6.36 ^A ±0.70	4.80 ^{ab} ±0.64	5.29 ^{ab} ±0.70	6.03 ^a ±0.64	4.38 ^{ab} ±0.70	3.42 ^b ±0.70	4.89 ^{ab} ±0.64	4.58 ^{ab} ±0.64	4.68 ^{ab} ±0.70	*
5-13 weeks	3.85 ^b ±0.15	3.60 ^{bc} ±0.14	4.26 ^a ±0.15	3.55 ^{bc} ±0.14	3.50 ^{bc} ±0.15	3.18 ^c ±0.15	3.62 ^{bc} ±0.14	3.61 ^{bc} ±0.14	3.39 ^{bc} ±0.15	*
Mortality										
5-13 weeks	1	0	1	0	1	1	0	0	1	

NS = Not significant SE= Standard error.

T₁= Basal diet ;T₂ = low dose of AFs (75µg Total AFs/kg diet) ; T₃ = High dose of AFs (150µg Total AFs/kg diet) ; T₄ = basal Diet supplemented with bagasse at level 3%, T₅ = basal Diet supplemented with bagasse at level 6% ; T₆: low dose of AFs+ bagasse at level 3% ; T₇: low dose of AFs+ bagasse at level 6% ; T₈: High dose of AFs+ bagasse at level 3% ; T₉ : High dose of AFs+ bagasse at level 6%.

Table 7. Economical efficiency of growing rabbits as affected by different levels of dietary bagasse and aflatoxin.

Items	Tested diets								
	Basal diet (T ₁)	Low aflatoxin (T ₂)	High aflatoxin (T ₃)	3% Bagasse (T ₄)	6% Bagasse (T ₅)	low aflatoxin dose +3% bagasse (T ₆)	low aflatoxin dose +6% bagasse (T ₇)	High aflatoxin dose +3% bagasse (T ₈)	High aflatoxin dose +6% bagasse (T ₉)
Item									
Av. feed intake (Kg/rabbit) a	5.15	5.18	5.28	5.28	5.29	5.14	4.9	5.49	5.11
Price/ Kg feed (PT)* b	4.93	4.93	4.93	4.86	4.82	4.86	4.82	4.86	4.82
Total feed cost (LE) ax b = c	25.39	25.54	26.03	25.66	25.50	24.98	23.62	26.68	24.63
Av. Body weight gain (Kg/rabbit) d	1.33	1.39	1.39	1.46	1.53	1.4	1.4	1.48	1.45
Price/Kg live body weight (LE)** e	55	55	55	55	55	55	55	55	55
Total revenue (LE) (d x e = f)	73.15	76.45	76.45	80.30	84.15	77	77	81.4	79.75
Net revenue (LE) (f-c=g)	47.76	50.91	50.42	54.64	58.65	52.02	53.38	54.72	55.12
Economic efficiency *** (g/c)	1.88	1.99	1.94	2.13	2.30	2.08	2.26	2.05	2.24
Relative economic efficiency****	100	105.85	103.03	113.27	122.34	110.77	120.21	109.09	119.04
Performance index (PI)	54.21 ±3.46	59.72 ±3.16	51.50 ±3.46	60.76 ±3.16	65.11 ±3.46	67.48 ±3.46	61.35 ±3.16	60.33 ±3.16	65.01 ±3.46

* According to the price of different ingredients available in the market at the experimental time (2017).

** According to the local market price at the experimental period.

*** Net revenue per unit Cost.

**** Compared to the economical efficiency of the control group.

Table 5. Effect of supplemented different levels of dietary bagasse and aflatoxin on digestion coefficients and nutritive values.

Items	Tested diets										Sig.
	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆	T ₇	T ₈	T ₉	± SE	
Digestibility %											
DM	63.66 ^b	62.31 ^{bcd}	59.69 ^d	59.69 ^d	67.86 ^a	63.14 ^{bc}	51.81 ^e	60.42 ^{cd}	60.86 ^{cd}	0.87	***
OM	63.92 ^b	62.04 ^{bc}	59.98 ^c	59.45 ^c	68.43 ^a	64.21 ^b	5140 ^d	60.28 ^c	61.49 ^{bc}	0.92	***
CP	69.97 ^a	63.72 ^{bc}	64.12 ^b	66.08 ^b	72.13 ^a	63.61 ^{bc}	60.51 ^c	66.60 ^b	70.98 ^a	1.10	***
CF	32.45 ^a	11.40 ^d	13.98 ^{cd}	16.02 ^{bc}	24.90 ^a	26.04 ^a	14.50 ^{bc}	16.63 ^{bc}	17.20 ^b	0.90	***
EE	45.59 ^b	25.31 ^f	25.56 ^f	48.26 ^b	53.01 ^a	33.20 ^e	33.91 ^e	41.26 ^d	25.90 ^f	0.92	***
NFE	71.65 ^{bc}	60.05 ^d	70.87 ^c	69.58 ^c	76.54 ^a	73.58 ^b	59.46 ^d	70.07 ^c	69.67 ^c	0.83	***
Nutritive values											
DCP	13.28 ^a	10.55 ^d	10.61 ^d	12.54 ^b	13.45 ^a	11.68 ^c	11.48 ^c	12.42 ^{ab}	13.03 ^a	0.22	***
TDN	59.56 ^b	40.05 ^e	56.04 ^c	56.92 ^c	64.02 ^a	59.37 ^b	49.02 ^d	57.58 ^{bc}	57.02 ^c	0.64	***

Sig. = Significance, SE= standard error, T₁= Basal diet ;T₂ = low dose of AFs (75µg Total AFs/kg diet); T₃ = High dose of AFs (150µg Total AFs/kg diet) ; T₄ = basal Diet supplemented with bagasse at level 3%, T₅ = basal Diet supplemented with bagasse at level 6% ; T₆: low dose of AFs+ bagasse at level 3% ; T₇: low dose of AFs+ bagasse at level 6% ; T₈: High dose of AFs+ bagasse at level 3% ; T₉ : High dose of AFs+ bagasse at level 6%.

Table 6. Effect of supplemented different levels of dietary bagasse and aflatoxin (Means±SE) on blood parameters of growing rabbits.

Groups Parameters	Basal Diet	Controls				Treatments				Sig.
		Aflatoxin		Dietary bagasse		Low aflatoxin dose		High aflatoxin dose		
		Low dose	High dose	3%	6%	3% Bagasse	6% Bagasse	3% Bagasse	6% Bagasse	
		T1	T2	T3	T4	T5	T6	T7	T8	
TP(g/dl)	8.02 ^a ±0.06	4.5 ^g ±0.06	3.53 ^h ±0.06	7.53 ^b ±0.06	7.45 ^b ±0.06	5.0 ^e ±0.06	6.10 ^c ±0.06	4.77 ^t ±0.06	5.90 ^d ±0.06	*
Albu(g/dl)	3.8 ^a ±0.02	3.2 ^g ±0.02	3.0 ^h ±0.02	3.7 ^b ±0.02	3.6 ^c ±0.02	3.3 ^t ±0.02	3.5 ^d ±0.02	3.20 ^g ±0.02	3.4 ^e ±0.02	*
Creat (mg/dl)	0.7 ^t ±0.03	1.27 ^d ±0.03	1.4 ^a ±0.03	0.73 ^t ±0.03	0.75 ^t ±0.03	1.07 ^{tc} ±0.03	0.87 ^c ±0.03	1.13 ^c ±0.03	1.0 ^d ±0.03	*
Urea(mg/dl)	18.0 ^t ±0.75	40.0 ^a ±0.75	42.0 ^a ±0.75	18.50 ^t ±0.75	19.1 ^t ±0.75	35.5 ^c ±0.75	27.67 ^c ±0.75	37.67 ^d ±0.75	31.33 ^d ±0.75	*
ALT(U/L)	17-67 ^t ±0.7	42 ^a ±0.7	43.67 ^a ±0.7	18.00 ^t ±0.7	18.18 ^t ±0.7	35.33 ^c ±0.7	25.67 ^e ±0.7	39.00 ^d ±0.7	29.00 ^d ±0.7	*
AST(U/L)	21.00 ^t ±1.1	54.00 ^b ±1.1	58.33 ^a ±1.1	21.80 ^t ±1.1	22.00 ^t ±1.1	44.00 ^{cd} ±1.1	37.66 ^e ±1.1	46.67 ^c ±1.1	41.00 ^d ±1.1	*
ALPh.(U/L)	418.67 ^g ±1.1	629 ^d ±1.1	637.67 ^a ±1.1	419.73 ^g ±1.1	420.20 ^g ±1.1	559.33 ^d ±1.1	503.00 ^t ±1.1	581.00 ^c ±1.1	544.33 ^e ±1.1	*
Chol(mg/dl)	32.27 ^g ±1.0	78.6 ^b ±1.0	85.23 ^a ±1.0	33.7 ^g ±1.0	34.77 ^g ±1.0	65.67 ^d ±1.0	51.73 ^t ±1.0	74.10 ^c ±1.0	57.67 ^e ±1.0	*

a, b Values within a row with different superscripts significantly different (p<0.05). SE= standard error.

T₁= Basal diet ;T₂ = low dose of AFs (75µg Total AFs/kg diet); T₃ = high dose of AFs (150µg Total AFs/kg diet) ; T₄ = basal diet supplemented with bagasse at level 3%, T₅ = basal diet supplemented with bagasse at level 6% ; T₆: low dose of AFs+ bagasse at level 3% ; T₇: low dose of AFs+ bagasse at level 6% ; T₈: high dose of AFs+ bagasse at level 3% ; T₉ : high dose of AFs+ bagasse at level 6%. ALT: alanine amino transferase, AST: aspartate amino transferase, ALPh: Alkaline phosphatase and Cholesterol.

Table 8. Liver and Kidney weight of growing rabbits as affected by different levels of dietary bagasse (Means $\pm$ SE).

Groups Parameters	Basal Diet	Controls				Treatment				Sig.
		Aflatoxin		Bagasse		Low aflatoxin dose		High aflatoxin dose		
		Low dose	High dose	3%	6%	3% Bagasse	6% Bagasse	3% Vagasse	6% Bagasse	
		T1	T2	T3	T4	T5	T6	T7	T8	
Liver weight	53.34 ^f ± 3.73	94.85 ^b ±3.73	140.93 ^a ± 3.73	57.26 ^d ±3.73	65.25 ^{dc} ± 3.73	68.06 ^{cde} ±3.73	66.49 ^{cde} ± 3.73	77.12 ^c ± 3.73	77.07 ^{dc} ±3.73	*
Kidney weight	8.71 ^d ± 1.15	18.51 ^{ab} ±1.15	20.35 ^a ± 1.15	12.69 ^d ± 1.15	14.10 ^{dc} ± 1.15	14.81 ^{bcd} ±1.15	14.38 ^{dc} ± 1.15	17.03 ^{abc} ±1.15	15.45 ^{bcd} ±1.15	*

a, b Values within a row with different superscripts significantly different (P<0.05).

SE= standard error.

T₁= Basal diet ;T₂ = low dose of AFs (75µg Total AFs/kg diet) ; T₃ = High dose of AFs (150µg Total AFs/kg diet) ; T₄ = basal diet supplemented with bagasse at level 3%, T₅ = basal diet supplemented with bagasse at level 6% ; T₆: low dose of AFs+ bagasse at level 3% ; T₇: low dose of AFs+ bagasse at level 6% ; T₈: High dose of AFs+ bagasse at level 3% ; T₉ : High dose of AFs+ bagasse at level 6%.