



Influence of genetic and non-genetic factors on growth performance in Black Bengal goats under field condition in West Bengal

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Supplementary Table 1. Sex wise variation of body weight (Mean±SE) of Black Bengal Goat.

Sex of Kid	Body weight (in kg)				
	At birth	At 3 month	At 6 month	At 9 month	At 12 month
Overall	1.252±0.002 (10148)	5.051±0.011 (8626)	7.655±0.015 (7522)	10.351±0.016 (6010)	13.231±0.020 (4064)
Male	1.274±0.003 (5246)	5.127 ^a ±0.015 (4475)	7.763 ^a ±0.020 (3903)	10.459 ^a ±0.023 (3095)	13.351 ^a ±0.029 (1983)
Female	1.229 ^b ±0.003 (4902)	4.975 ^b ±0.016 (4151)	7.546 ^b ±0.021 (3619)	10.244 ^b ±0.023 (2915)	13.110 ^b ±0.028 (2081)

Values in parenthesis are number of observations. Column-wise means with different superscripts are significantly different at P<0.05.

Supplementary Table 2. Parity wise variation of body weight (Mean±SE) of Black Bengal Goat

Parity of birth	Body Weight (in kg)				
	At birth	At 3 month	At 6 month	At 9 month	At 12 month
Overall	1.250±0.002 (10148)	5.034±0.013 (8626)	7.627±0.017 (7522)	10.334±0.019 (6010)	13.213±0.023 (4064)
First	1.242 ^a ±0.005 (1659)	5.117 ^a ±0.028 (1362)	7.671 ^a ±0.037 (1198)	10.402±0.040 (980)	13.281±0.049 (681)
Second	1.248 ^{ab} ±0.005 (2026)	5.045 ^b ±0.025 (1745)	7.676 ^{ab} ±0.033 (1533)	10.351±0.036 (1238)	13.236±0.044 (871)
Third	1.260 ^{bc} ±0.005 (1961)	5.123 ^{ab} ±0.025 (1665)	7.793 ^{ac} ±0.034 (1450)	10.430±0.037 (1135)	13.255±0.048 (717)
Fourth	1.263 ^{bc} ±0.005 (1593)	4.995 ^{abc} ±0.028 (1379)	7.583 ^{abc} ±0.037 (1210)	10.343±0.040 (995)	13.273±0.050 (666)
Fifth	1.259 ^{abc} ±0.006 (1173)	5.043 ^{abc} ±0.032 (1013)	7.644 ^{ab} ±0.044 (863)	10.264±0.049 (670)	13.101±0.062 (429)
Sixth	1.248 ^{abc} ±0.008 (775)	5.023 ^{abc} ±0.040 (644)	7.580 ^{abc} ±0.054 (558)	10.338±0.060 (433)	13.100±0.075 (294)
Seventh	1.260 ^{abc} ±0.010 (447)	4.999 ^{abc} ±0.053 (378)	7.529 ^{abc} ±0.070 (330)	10.314±0.078 (260)	13.276±0.094 (189)
Eighth and above	1.223 ^{abc} ±0.009 (514)	4.929 ^{abc} ±0.049 (440)	7.538 ^{ab} ±0.066 (380)	10.229±0.073 (299)	13.179±0.087 (217)

Values in parenthesis are number of observations. Column-wise means with different superscripts are significantly different at P<0.05.

Supplementary Table 3. Birth type wise variation of birth weight (Mean ± SE) of Black Bengal Goat

Type of birth	Body Weight (in kg)				
	At birth	At 3 month	At 6 month	At 9 month	At 12 month
Overall	1.226±0.009 (10148)	5.026±0.057 (8626)	7.691±0.087 (7522)	10.269±0.086 (6010)	13.207±0.109 (4064)
Single	1.317 ^a ±0.005 (2013)	5.291 ^a ±0.025 (1703)	7.862 ^a ±0.033 (1516)	10.557 ^a ±0.036 (1225)	13.376 ^a ±0.043 (896)
Twin	1.249 ^b ±0.003 (5808)	5.036 ^b ±0.014 (5019)	7.862 ^a ±0.033 (4387)	10.361 ^b ±0.021 (3532)	13.232 ^b ±0.026 (2357)
Triplet	1.210 ^c ±0.005 (1994)	4.900 ^c ±0.025 (1645)	7.425 ^c ±0.034 (1398)	10.127 ^c ±0.038 (1075)	13.048 ^c ±0.049 (697)
Quadruplet	1.173 ^d ±0.012 (308)	4.778 ^{cd} ±0.065 (245)	7.358 ^{cd} ±0.087 (212)	10.212 ^{bd} ±0.096 (169)	13.120 ^{abc} ±0.124 (108)
Pentaplet	1.182 ^{bcd} ±0.042 (25)	5.121 ^{abcd} ±0.272 (14)	8.133 ^{abcd} ±0.425 (9)	10.089 ^{abcd} ±0.417 (9)	13.267 ^{abc} ±0.524 (6)

Values in parenthesis are number of observations. Column-wise means with different superscripts are significantly different at P<0.05.