COMPARATIVE EVALUATION OF MILK OF WEST AFRICAN DWARF AND RED SOKOTO GOATS

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ABSTRACT
Sixteen West African Dwarf (WAD) and Red Sokoto (RS) does were milked once t weekly for twelve weeks commencing from two days after kidding. Milk samples were analysed for total solids, fat, lactose, protein, ash, phosphorus and calcium. "The mean (X ± SE) composition (%) of the colostrum of WAD and RS was: Total 'solids, (TS) 19.06 ± 1.20 and 18.86± 1.20; protein, 6.84±0.61 and 8.96± 0.61; fat, c 7.92±
0.35 and 7.87± 0.35; ash 0.78±0.02 and 1.14±0.02; lactose, 3.30±0.16 and
3.67±0.16; (g/100g) calcium (Ca), 77.39±6.04 and 73.88±6.04; phosphorus (p), 73.50±4.44 and 149.05±4.44 and respectively; The colostrum of WAD goats contained significantly higher protein. (P:c::0.05), 'phosphorus (P<0.05) and ash
(P<0.05) than those of RS goats. The contents (%) of mature milk of WAD and RS goats (X ± SE) were: TS, 16.48±0.37,.C\nd 16.33±0.37; protein, 5.29±0.17 and
4.77±0.17; fat, 4.73±0.16 and 4.69± 0.16; ash0.69±0.04 and 0.64± 0.04; lactose, 1, 3.87±0.24 and 4.22± 0.24; (g/100g) Ca~58.41± 2.32 and 62.00±2.32; P, 59.87± 1.78 and 142.65±177; and 8-h \ilk{yield, 52.57±2.74 and 58.55±2.83 ml,
respectively. The mature milk of WAD 'goats also contained significantly higher protein
and phosphorus than that of RS goats.