SEASONAL EFFECT IN OVARIAN MEASUREMENTS FOR LOCAL BLACK DOES .

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ABSTRACT

The ovaries samples were harvested from local slaughtered of local black Does in Alfdhielia carnage . Goats about 1-3 years age were examined . The samples were collected 10 ovaries of each month, starting from 15 July 2012 to 15 July 2013. The samples were excised from bodies of slaughtered animals. The extracted samples were cleared from adjacent structures. The samples were immersed in isotonic saline solution with ice packs during transportation to the experimental lab. Morphometric, ovaries weight were significantly ($P<0.01$). higher during autumn season(3.68±1.31 gm) in compared to spring season (1.67 ± 0.05gm) . ovary height were significantly ($P<0.01$) higher during autumn season(10.29±3. 11 mm) in compared to other season and ovaries length were significantly ($P<0.01$) higher during autumn season(19.31±0.19 mm) in compared to other season and ovaries width were significantly ($P<0.01$) higher during autumn season(14.86±0.33 mm) in compared to other seasons(winter, spring and summer) (12.69 ± 0.28, 12.63± 0.27, 12.97 ± 0.40 mm, respectively) The numbers of mature follicles significantly ($P<0.01$) high in autumn season (31.20±1.31) in compared to winter, spring, and summer season and the numbers of immature follicles significantly ($P<0.01$) higher in autumn season (45.43±0.04) in comparing to winter, spring, and summer season. While the percentage was 40.71± 1.37% in comparison to values of other seasons . conclusion the autumn season effect significantly in ovary changes and reproductive season begin in black local Does.

Key words: Awassi Ewe, season and histological changes.