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Monitoring and registration of the Iranian Adani goat population

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Abstract

This project was carried out to monitor, identify and registration of populations of Adani goats. The first, 5 Adani goat flocks (800 animals) were identified with the help of experts from the Jihad Agriculture Organization of Bushehr province. Then, by referring to the ranchers the questionnaire was completed and then, with the 15 digit code, the animals were plaque (400 animals). Production and reproductive traits of animals were recorded during one year. Also, 100 blood samples were sent to the laboratory for DNA extraction. The results showed that the number of Adani goats in the province is decreasing, especially because of the drought and falling interest in the young generation. In optimal conditions, the Adani goats have twice births each year, and in more than 70 percent of births they have litter size double-breeding. In most cases, there is one male for every 25 does in Adani goat flocks. The kidding interval in Adani goats is 8 months and the average kid production per year is 1.5. The average birth weight is 2.6 and the weight of 12 months is 19 kilograms. The slaughter weight was 21 kilogram and the dressing out percentage was 52%. The average daily gain from birth to 12 months is 46 grams. There is a lot of color variation, but it is mostly found in gazelle, and the brown strip on the spine is its main characteristic. Lactation period was 4 months and produces 600 grams milk per day. Major problems for ranchers, low young generation tendency to animal husbandry, drought and forage production, higher fodder prices and veterinary services and high mortality rates before weaning.

Keywords: Genetic reserve, Monitoring and registration, Adani goat