



MINISTRY OF JIHAD-E-AGRICULTURE

Agricultural Research, Education and Extension Organization
Animal science research institute of Iran

Monitoring and registration of Irainain goat populations

Research worker: Sima Savar Sofla

Abstract

to conservation, development, and increasing the actual and effective size of native populations and animal breeding operations in the future to improve performance, the first step is monitoring, identification, and registration of these populations.

According to Article 10 of the Law on the Comprehensive Livestock System, the Ministry of Jihad for Agriculture is obliged to register nationally and internationally for the preservation and protection of livestock resources and genetic material.

Accordingly, in the first stage, 4 breeds of native goats of the country (Markhaz, Najdi, Raini, and Adani) were examined. Depending on the distribution area of each breed, between 400 and 1,200 of each of the four breed goats were stamped with a 15-digit code. Then, the information of the questionnaire including the appearance, production, and reproduction characteristics of these breeds was completed. The milk sample was taken from about 100 head of livestock and their composition was measured. Also, for about 100 goats of each breed, a blood sample was taken to extract DNA and record and store it in the gene bank of the Institute of Animal Science Research. Fiber characteristics reported for Raini and Markhoz goat. Some traits that could not be measured in this study, such as carcass characteristics and some reproductive traits, used the information of other researchers. Finally, the information of the recorded herds was recorded in the spatial information system, and also a catalog was prepared for each of the central, Najdi, Raini, and Adini breeds based on the important characteristics of each breed.

Keywords: identification, registration, goat, conservation