

Determination of economic weights of important traits of kordi sheep in village system

Abstract

In this study production, reproduction, management and economic parameters resulted from recording of 7 flocks with 600 head of native sheep during annual cycle of production in village systems was used to determine of the breeding objective and economic values. The traits of economic importance that appeared in profit equation were survival rate in sheep, conception rate, lambing frequency, lambing rate, lamb survival rate to weaning, lamb survival rate to yearling, lamb live weight at sale, body weight of sheep. The economic values of traits were estimated using maximizing profit, revenue per cost and minimizing cost situations. The results showed that the average profit per sheep per year, revenue per cost ratio and cost per revenue ratio for it systems considered were 74657.548 rials, 1.065 and 0.937.. Feeding and husbandry costs represented about 50% and 35% of total cost respectively. In maximizing profit situation average economic values (relative) of traits were 7550.139 (1.102) rials for survival rate in goat, 7630.49 (1.1143) rials for conception rate, 7172.632(1.0475) rials for lambing frequency, 6520.575 (0.95228) rials for lambing rate, 7969 (0.9164) rials for lamb survival rate to weaning, 8150.719(1.1903) rials for kid survival rate to yearling, 6847.3565 (1.00) rials for lamb live weight at sale, -2610 (-1.93) rials for body weight of sheep and In revenue per cost situation the average economic values of traits in all of systems were 0.677, 0.683, 0.646, 0.592, 0.711, 0.726, 0.566, -0.293 respectively, and in minimizing cost situation the economic values were -.59, -0.515, -0.482, -0.435, -0.539, -0.552, -0.412 and 0.296 respectively. The sensitivity of economic values of traits was low to changes in prices of input and high to changes of prices of output.

Keywords: Breeding objective; Economic values; kordi sheep,



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