

ABSTRACT

KARYOTYPE ANALYSIS OF *Acrida ungarica* (Herbst, 1786) (Acrididae) DEPLOYED IN THE AYDIN REGION

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In this study, the karyotype of the *Acrida ungarica* species (chromosome number, chromosome morphology and chromosome lengths) belonging to the Acridinae sub family of the Acrididae family was examined. As a result of these examinations, the species number of chromosome was determined as $2n^{\text{♂}}=23$ (XO). It was found that all of autosomal chromosomes and X chromosome had an acrocentric structure. As a result of counting carried out on five individuals, the mean chiasma frequency was found to be 16,39.

Keywords: *Acrida ungarica*, chiasma frequency, chromosome, karyotype, Orthoptera,