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Comparison of Terrestrial Beetles in Cultivated and Natural Ecosystem of Semi-Arid Region of Morocco

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Abstract: The present study highlights the presence of terrestrial beetles in three locations of the semi-arid region of northeastern Morocco, more precisely the geographical area of Sidi Kacem. The objective is to establish an inventory of beetles species residing in cultivated and natural areas of the region. Sight hunting, trapping and Mowing of herbaceous vegetation are three methods used to collect the different species. The results obtained revealed the presence of 1443 specimens, divided into 53 species belonging to 14 families. The specific richness, abundance, and Shannon index of beetles species were significantly higher along the undisturbed area, while the cultivated area has a lower population density reflecting the stability of the former biotope.

Keywords: Natural Steppe area, Cultivated zone, Coleoptera, diversity