

## **Abstract**

Necessary for the proper management critical habitat pasture plants, knowledge of various aspects of habitat characteristics and its relation to production. The aim of this study was to study the effects of habitat characteristics, including characteristics of topography, soil properties and plant production capacity in camelthorn in Khorasan Razavi province in the south of the underlying pastures. The study randomized complete block design with four treatments including camelthorn is located in the mountains, foothills, plains and marginal agricultural land with three replication. To determine the amount of production, in every habitat transects the length of 100 meters and a distance of 50 meters was used for encapsulation. In each plot, the production of camelthorn, plant height from the ground, canopy cover and density were taken. 0-30 soil samples, were tested to determine the amount of organic matter and moisture. Data using one-way analysis of variance analysis. Significant difference for the mean separation of Duncan at the level of 95% was used. To assess the presence or absence of correlation between variables and the strength of the relationship, Pearson's correlation coefficient was used. Our production value in the desert habitat than marginal agricultural land, foothills and mountains, also the production in marginal agricultural land habitat over the mountain altitude on our production was a certain effect ( $0/05 < P$ ). Production had a negative impact on our production, but the slope ( $0/05 > P$ ). The biological properties of the plant, plant height from ground level concrete impact on our production was production ( $0/05 > P$ ). The characteristics of the soil, organic matter and soil moisture, organic material certain impact on our production was production ( $0/05 < P$ ). But with increased humidity, production increased our production rate ( $0/05 > P$ ). And the study concluded that the best habitat for prairie habitat is Camelthorn Manna

**Keyword:** *Alhagi persarum*, Camelthorn Manna, Altitude, land slope, Soil properties, plant characteristics, Gonabad Rangelands



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**Influence of Habitat Conditions on Camelthorn  
Manna Production in *Alhagi persarum* in Rangelands  
of Gonabad**

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