

Date palm cultivation in KHOR BIABANAK

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The region of KHOR BIABANAK in a distance of 410 kilometers from ISFAHAN which is located in 845 meter altitude of sea level with longitude 53 minutes and 40 minutes eastern and located between the cities of TABAS, NAEN and ARDAKAN. It has very dry climate with mild winters the temperature range of 48° and - 7°.

palm tree because of their relative resistance to different kinds of soil, low water consumption, long watering and salinity in soil and water, hot weather and dryness, have been considered with importance and priority by the farmers of this region since long ago and thus are planted in a large part of KHOR BIABANAK.

The main problems in this region are the coldness of weather in winter and planting of the seed, high density, and migration of the villagers to urban regions because lack of information on date palm trees *Paratetranychus afrastaticus*, less water resources and lack of hand pollination of date trees, are the main problems and factors in the yield reduction frustrate the farmers and develop the situation for various pests attack. The results of this study show that the varieties like Kabkab, Shahnai and Mazafati have the highest level of adoptability with the agroclimatic condition of this area and they are recommended to increase the production yield of date fruits in this region.