

**A Study of effects of different palm pollens of zahidi bases (from three regions),shahani, Tavarz and two local bases on the quantitative and qualitative characteristics of zahedi.**

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For studying the effects of different pollens on the date in quantitative and qualitative characteristics of zahidi date in 1998, an experment conducted radomized complete block designs with 7 treatments including of the male pollens based on Fars Bazri (T1), Three types of Shahani, Tavarz and Zahidi from Jahrom respectively T2, T3 and T4 and Ghirkarzın Zahidi (T5) and based on Fars Bazri (T6) and the Farashband Zahidi type (T7). Every Treatment was a tree in four replications the experiments was performed totally on 28 Zahidi , 12 old years palms in two places in Jahrom.

After pollination and fertilization process in the stages of Khalal, Rutab and Tamar, We took the necessary Samples and recorded the Physical and Chemical characteristics.

The results from the performed experiment indicated that the pollens which pollinated Tavarz cultivars (T3) have had the most effects on the physical characteristics such as fruit lenght, fruit diameter, fruit weight, seed weight, pulp weight, pulp/ seed ratio shape index and fruit volume in tamar stage.

The pollens on Zahidi from Jahrom (T4) have had the most effects on the characteristics such as total solube solids, pH, fruit total suger and fruit ash.

According to the experiment, the T3 and T4 has been the best ones among the other pollens in pollens in pollination of Zahidi.