

Study on the most proper time of pollination of Shahani date palm trees

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To achieve the most proper time of pollination and have the highest yield in Shahani date, an experiment was carried out in randomized complete block design, including: Pollination just after opening of the spathe and six other 24,48,72,96,120 and 144 hours after opening of the spathe. Each treatment in two branches in four replications, in 14 Shahani date trees were done during a period of 3 years in Jahrom Agriculture Research Station.

For Pollination, mechanical pollinator machine was used. The pollens were taken from Shahani male trees.

The result after statistical analysis shows that the most proper time for pollination in Shahani date is two to four days after dehiscent the spathe of female and after four days there is no other change in the level of fruit set and in forming fruits but from the fourth day it caused the reduction in the percent of fruit and yield which it is not economical.