

## **The best transplanting time of date palm plantlets produced by tissue culture from greenhouse condition to nursery**

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In this study the effects of completed leaves number as a visual index on determination of transition time of Barhi and Khazravi varieties plantlets produced by tissue culture technique with the following treatments were investigated:

1. Without completed leaf(control), 2. With one semi - completed leaf, 6. With two completed leaves, 3. With one completed leaf, 4. With two semi-completed leaves, 5. With one completed and one semi-completed leaves, 7. Over two completed leaves

The results of this experiment that conducted as a factorial randomized complete block design showed no significant differences between all treatments in adaptation of both varieties but in appearance generally, Barhi variety plantlets were more fresh than Khazravi variety. In this case two semi - completed leaves, one completed leaf and over two completed leaves treatments in Barhi variety and over two completed leaves treatments in Khazravi variety were the best treatments without having significant differences. Further study showed that all of treatments with the exception of control, could produce the significant differences in the number of grown completed leaves on plant, so it seems the best transplanting time of these two varieties of date palm plantlets produced by tissue culture is, when one to one and semi - completed leaf(ves) were produced on it at least.