

## **Quantitative and qualitative investigation of several mandarin cultivars in Dezful, Khuzestan**

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This study was conducted to compare some fruit characteristics of 12 imported mandarin cultivars in Safiabad Agricultural Research Center in Dezful from 1978 to 1992.

These cultivars were budded on potted sour orange (*Citrus aurantium*) rootstock under glasshouse conditions. The grafted trees were then transferred to orchard to study their compatibility and other characteristics from 1978-1987. As a second step, 9 selected cultivars were compared in a randomized complete block design with 8 replications. Yield, percentage of fruit juice, peel, citric acid and brix degree were recorded during 3 consecutive years from 1989 to 1992.

The results showed that cultivars Kinnow, Fairchild and Shomell had higher yield production and better fruit characteristics than others.