

عنوان مقاله:

Study of Biochemical Traits and Mineral Elements in Date Palm Fruits under Preharvest Foliar Application of Organic Fertilizers and Micronutrients

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نویسندگان:

Ali Hatami - Ph.D Student of Horticultural Science, Department of Horticultural Science, Jahrom Branch, Islamic Azad University, Jahrom, Iran

Abdolhossein Abootalebi Jahromi - Associate Professor of Horticulture, Jahrom Branch, Islamic Azad University, Jahrom, Iran

Abdolkarim Ejraei - Department of Horticulture, Jahrom Azad University, Jahrom, iran

.Abdol Hossein Mohammadi Jahromi - Department of Agriculture, Jahrom Branch, Islamic Azad University, Jahrom, Iran

Hamed Hassanzadeh Khankahdani - Horticulture Crops Research Department, Hormozgan Agricultural and Natural Resources Research and Education Center, AREEO, Bandar Abbas, Iran

خلاصه مقاله:

Due to the calcareous nature of most soils in areas under date cultivation, this study was conducted to improve the quality and quantity of date fruits in Zahidi cultivar using the foliar applications of organic matters and micronutrients at two stages of date growth. For this purpose, an experiment was conducted to evaluate the effects of foliar applications of organic matters and micronutrients on contents and properties of biochemical compounds and minerals in Zahidi date fruit. The study was performed as a randomized complete block design with *vv* treatments in three replications on *vv* date palms for two consecutive years. The treatments were applied in two stages (at the beginning and end of the Kimri stage) on fruits and upper leaves. Treatments included amino acids, Aminabon $\Delta \cdot$ ($\cdot \Delta$ and $\cdot A$ g L–*v*), seaweed ($\cdot A \Delta$ and $\cdot \Delta$ g L–*v*), micronutrients ($\cdot A$ and $\lambda \Delta$ g L–*v*), and four combined treatment. The results showed that the treatments had a significant effect on all studied traits. The highest content of copper was observed in response to amino acid + seaweed + micronutrients on the other traits were observed in the highest statistical class. In general, the latter combined treatment was the most efficient with the lowest content of soluble tannin (*vF*.*vF* mg g-*v*) compared to the control (*vY*.*vY* mg ..., *v*) and to the other treatments

كلمات كليدى:

Amino acid, seaweed, Iron, Zinc, manganese, Foliar application time

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