

## عنوان مقاله:

('Influence of Zn and K Sprays on Fruit and Pulp Growth in Olive (*Olea europaea* L. cv. 'Amygdalifolia

## محل انتشار:

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## خلاصه مقاله:

This study was carried out on olive trees cv. *Amygdalifolia*, to investigate the effect of spraying potassium nitrate,  $\text{KNO}_3$ , and zinc sulfate,  $\text{ZnSO}_4$ , on the fruit weight, dimension and volume. The plants were sprayed with 0, 0.5, 1.0 and 1.5%  $\text{KNO}_3$  and 0, 0.25, 0.50 and 0.75%  $\text{ZnSO}_4$  and their combinations in August about halfway through the fruit growth period. The highest fruit weight was observed using 0.5%  $\text{ZnSO}_4$  + 0.5%  $\text{KNO}_3$ . Fruit length and diameter were affected significantly using different  $\text{ZnSO}_4$  concentrations especially in combination with  $\text{KNO}_3$ . The fruit, pulp and pulp/pit volume increased by increasing  $\text{ZnSO}_4$  concentrations. The highest fruit, pulp and pulp/pit volume were also obtained from trees treated with 0.5%  $\text{ZnSO}_4$  + 0.5%  $\text{KNO}_3$ . Our results emphasize the importance of an appropriate fertilization management, particularly for table olives, in which fruit size, and pulp/pit ratio are important characteristics.

## کلمات کلیدی:

Fruit dimension,  $\text{KNO}_3$ , Olive,  $\text{ZnSO}_4$

## لینک ثابت مقاله در پایگاه سیویلیکا:

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