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**EFFECT OF SOME AGRICULTURAL PRACTICES ON
GROWTH, FLOWERING, FRUITING AND QUALITY
OF FRIGO STRAWBERRY**

BY

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ABSTRACT

Three field experiments on strawberry were conducted at a private farm in Shoney Village, Tanta, El-Gharbia Governorate, Egypt, during the two successive seasons of 2019/2020 and 2020/2021, to study the effect of the removal of old leaves near to the soil surface (without, two, four, and six leaves' removal); the effect of spraying (SA) at 0, 5, 10, and 15mM/L; at calgen 0, and 2cm³/L, Furthermore, the solupotasse at 0 and 5g/L. The strawberry cultivated variety used was Monterey. The research aimed to study the effect of the above mentioned treatments on growth, flowering, yield, and quality of strawberry fruits that cultivated with cold stored transplants (Frigo). The results recorded that non removing for leaves had the best results in most of the studied traits. Moreover, spraying with SA at 5mM/L; 2cm³/L of calgen plus 5g/L solupotasse led to the highest significant increase in growth, yield, quality, and chemical constituents in both seasons. Moreover, all studied treatments had a significant effect to decrease infected fruits with grey mold in early and total yield compared to control in both seasons. **Conclusively**, non removing for leaves or spraying of SA at 5mM/L or 2cm³/L of calgen, and spraying 5g/L solupotasse had the best results in most of the studied traits except on early and total yield infected with grey mold.

Key words: Frigo strawberry; Leaves' removal; Salicylic acid; Calcium plus Boron; K₂SO₄; Yield; Fruit quality; Chemical composition.

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