

**EFFECT OF FOLIAR APPLICATION OF NUTRITION  
SOLUTION (ALBERT) ON GROWTH AND YIELD OF  
TOMATO (*Lycopersicon esculentum* Mill)**



**BY**

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## ABSTRACT

A experiment was carried out to study the effect of Albert nutrition solution as a foliar spray on growth and yield of tomato (*Lycopersicon esculentum* Mill). This experiment was laid out in a completely randomized block design (RCBD) with four blocks, each block with the seven treatment, T1-no spray, T2-(1 g/l nutrition solution applied two times), T3- (1 g/l nutrition solution applied three times), T4-(1 g/l nutrition solution applied four times), T5-(2 g/l nutrition solution applied two times), T6-(2 g/l nutrition solution applied three times), T7-(2 g/l nutrition solution applied four times).

The results showed that foliar application of nutrition solution had significant ( $P<0.01$ ). effects on agronomic parameters of Tomato over the control. The maximum plant height (70.58 cm), number of branches (10.25), number of flower clusters per plant, number of flowers per plant, number of fruits per plant (18.25), fresh weight of fruits (48.45) per plant was observed in foliar application of 2 g/l nutrition solution applied four times and also increased pulp weight, seed weight, dry weight of leaves, stem and roots per plant, total soluble solid (5.85 °brix) and total fruit weight per plant (981.11 g) were high in the treatment of 2 g/l applied four times. In all parameters, the lowest performance was recorded in the control treatment. The results suggested that under the conditions in the experiment, yield could be increased by the application of 2 g/l Albert nutrition solution applied at 2, 4, 6, and 8 weeks after transplanting. Therefore, foliar application of nutrition solution is one of the ways to increase yield and also can be reduced usage of chemical fertilizer

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