

## INFLUENCE OF ZINC AND BORON ON GROWTH, UPTAKE AND YIELD OF BRINJAL (*SOLANUM MELONGENA* L.)

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Received-08.09.2020, Revised-28.09.2020

**Abstract:** An experiment in pots was conducted to study Effect of Zinc and Boron on Growth, Yield and Quality of Brinjal (*Solanum melongena* L.). The experiment consisted of 9 treatments laid out in randomized block design with three replications 3 times the important finding of present investigation is given below. The individual treatment of 4 mg Zinc, 9 mg Zinc, 4 mg Boron and 9 mg Boron and treatments combination 4 mg Zn + 4 mg B, 4 mg Zn + 9 mg B, 9 mg Zn + 4 mg B and 9 mg Zn + 9 mg B per Kg soil was given in Brinjal pots the growth parameters like tallest plants, maximum number of plant, number of leafs, number of branches and tallest plant maximum number of flower per plant and yield parameters like maximum number of fruit per plant and maximum fresh weight and dry weight per fruit was obtained in yield Brinjal influenced by treatments T<sub>8</sub> (9 mg Zn + 9 mg B) and was significantly superior over rest of the treatments. The physiological parameters like the Chlorophyll a, b, carotenoid, anthocyanin and protein was recorded maximum in treatment T<sub>8</sub> (9 mg Zn + 9 mg B) and was significantly superior over rest of the treatment.

**Keywords:** Boron, Growth, *Solanum melongena*, Zinc

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