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RESEARCH PAPER

The influence of micronutrient dupplementation on onion growth, yield and quality (*Allium cepa* L.)

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Abstract : At the Vegetable Research Farm, Department of Horticulture, JNKVV, Jabalpur, M.P. an experiment was done to see how micronutrient supplementation affected onion growth, production and quality during the year 2017-18. Twelve treatments containing different micronutrients along with control were applied and the observations were recorded on growth, yield and quality parameters. The highest plant height (67.34 cm), no. of leaves (13.60), leaf length (46.79 cm), pseudo stem length (13.39 cm), polar diameter (7.47 cm), equatorial diameter (8.84 cm), neck thickness (1.67 cm), marketable bulb yield plot^{-1} (17.01 kg), total bulb yield (297.87 q/ha) and TSS (15.67^{0}Brix) were recorded under T_{11} (Soil application of $ZnSO_4$+ Borax + $CuSO_4$ @ 10 kg ha^{-1}), where as lower values for above traits were recorded under T_{13} where only RDF was applied.

Key Words : Onion, Zinc, Boron, Copper, Yield

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