



RESEARCH PAPER

Effect of micronutrients on growth and yield of cabbage (*Brassica oleracea* var. *capitata*)

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Abstract : The present experiment was carried out during the winter 2017 at experimental farm College of Horticulture, SDAU, Jagudan (Gujarat). The experiment was laid out in Randomized Block Design with factorial concept and it has twenty four treatments combinations viz., stages of micronutrient application (S) i.e. s₁ - at seedling stage (15 DAS) s₂ - after transplanting (20 and 35 DAT) and s₃ - at seedling stage (15 DAS) and after transplanting (20 and 35 DAT) and the second factor was micronutrients with eight levels viz., m₀ - Zn 0 ppm + B 0 ppm + Mo 0 ppm, m₁ - Zn 0 ppm + B 0 ppm + Mo 50 ppm, m₂ - Zn 0 ppm + B 200 ppm + Mo 0 ppm, m₃ - Zn 0 ppm + B 200 ppm + Mo 50 ppm, m₄ - Zn 1000 ppm + B 0 ppm + Mo 0 ppm, m₅ - Zn 1000 ppm + B 0 ppm + Mo 50 ppm, m₆ - Zn 1000 ppm + B 200 ppm + Mo 0 ppm, m₇ - Zn 1000 ppm + B 200 ppm + Mo 50 ppm and they were replicated thrice. The results indicates that micronutrient application at seedling stage (15 DAS) and after transplanting (20 and 35 DAT) gave maximum plant height at 20, 35 DAT and at harvest. As far as yield parameter is concerned average weight of head, yield per plot and yield per hectare was observed higher due to this treatment. Higher dose of micronutrient application was found i.e. @ Zn 1000 ppm + B 200 ppm + Mo 50 ppm superior for growth parameters i.e. plant height at 20, 35 DAT and at harvest, number of leaves, leaf area 45 DAT, average weight of head, yield per plot and yield per hectare.

Key Words : Cabbage, Micronutrients, Growth, Yield

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