

Effect of Nitrogen and Zinc on Growth, Yield and Economics of Clusterbean [(*Cyamopsis tetragonoloba* (L.) Taub]

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ABSTRACT

A field experiment was conducted during *kharif*, 2008 at S.V. Agricultural College, Tirupati to study the effect of nitrogen and zinc on growth and seed yield of clusterbean. The experiment was laid out in split plot design, replicated thrice with three nitrogen levels *viz.*, 20, 30 and 40 kg N ha⁻¹ assigned to main plots and four zinc management practices *viz.*, 0.5 % ZnSO₄ spray at 25 DAS, 0.5 % ZnSO₄ spray at 45 DAS, 0.5 % ZnSO₄ spray at 25 and 45 DAS and 20 kg ZnSO₄ ha⁻¹ as basal were assigned to sub plots. The results showed that nitrogen level of 30 kg N ha⁻¹ and 0.5 % ZnSO₄ spray at 25 and 45 DAS significantly influenced growth characters, yield attributes, seed yield and economics of clusterbean.

Key words : Clusterbean, Growth, Nitrogen, Yield, Zinc.