A CASE STUDY

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Effect of zinc, molybdenum and urea on growth and yield of mungbean (*Vigna radiata* L. Wilczek)

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ABSTRACT : The effect of zinc, molybdenum and urea has been studied on plant height (cm), number of productive branches, number of leaves, leaf area (sq.cm.), fresh weight (g), dry weight (g), number of pods per plant, seed yield per plant and 1000 seeds weight (g) (Test weight) of mungbean [*Vigna radiata* (L.) Wilczek] Var. Pant Mung-4 and Narendra-1. The experiment was conducted at Meerut College, Meerut (U.P.) during the years 2011-2012. Randomised Block Design was followed with 4 replications and 11 treatments. The doses of zinc were 5, 10, 15 and 20 ppm. The concentrations of molybdenum were 1, 2, 3 and 5 ppm and of urea were 1 and 2 per cent along with control. The results were found significant of both varieties of mungbean.

KEY WORDS : Zinc (Zn), Molybdenum (Mo), Mungbean [*Vigna radiata* (L.) Wilczek], Pant Mung-4, Narendra-1, $ZnSO_4$, $H2SO_4$, $FeSO_4$, Chlorophyll, R.B.D.

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