



RESEARCH PAPER

Effect of phosphorus and sulphur level on growth, yield and oil content of mustard (*Brassica juncea* L.)

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Abstract : A field experiment entitled “Effect of phosphorus and sulphur level on growth and yield of Mustard (*Brassica juncea* *coss.*)” variety Varuna, was conducted at the research plot of Kulbhaskar Ashram Post graduate farm Allahabad (U.P.) during the Rabi Season 2008-09 and 2009 - 10 India . The experiment was laid out in a Factorial Randomized Block Design having four levels of phosphorus (0, 25, 50 and 75 kg ha⁻¹) and sulphur (0, 20, 40 and 60 kg ha⁻¹) each with three replications. The phosphorus and sulphur were applied through DAP and gypsum, respectively. Indian mustard variety Varuna was sown on 11th October, 2008 with the seed rate of 5.0 kg ha⁻¹. The plant height, dry weight per plant, number of siliqua plant⁻¹, seed yield and stover yield increased significantly at 50 kg phosphorus and 40 kg sulphur ha⁻¹. Over without P and with 25 and 75kg ha⁻¹. P. and without S with 20kg and 60 kg S ha⁻¹, respectively.

Key Words : Phosphorus, Sulphur, Stover

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