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Effect of sulphur and zinc on growth and yield of mustard (*Brassica juncea* L.)

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ABSTRACT : A field experiment was conducted during 2014-15 with mustard (*Brassica* spp. L.) as a test crop under irrigated conditions on sandy clay loam soils with 4 levels of sulphur (0, 15, 30 and 45 kg ha⁻¹) and 3 levels of zinc (0, 2.5 and 5.0 kg ha⁻¹) in Factorial Randomized Block Design with three replications. Seed and stover yield increased significantly upto 30 kg S ha⁻¹ and 5.0 kg Zn ha⁻¹ application. Maximum seed yield (2011.7 kg ha⁻¹) observed with S₃ x Zn₂ which was significantly higher over rest all the treatment combinations except S₃ x Zn₂ and S₂ x Zn₂ treatments. The maximum net return (Rs. 46475 and 45537) was obtained from S₃ (45 kg S ha⁻¹) x Zn₂ (5.0 kg Zn ha⁻¹) treatments and it was higher than all other treatments. Whereas, maximum B:C ratio (3.71) was obtained from S₂ (30 kg S ha⁻¹) x Zn₂ (5.0 kg Zn ha⁻¹).

KEY WORDS : Growth, Effect, Mustard, Sulphur, Yield, Zinc

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