## Effect of potassium and sulphur on yield, nutrient uptake and oil content of linseed

## H.C. Tripathi<sup>1</sup>, Ravindra Kumar Shukla<sup>1</sup>, Akhilesh Tripathi<sup>2</sup> and Shikha Tripathi<sup>3</sup>

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**ABSTRACT:** A pot experiment was conducted during rabi season of 2008-09 and 2009-10 on sandy loam soil of Kanpur (Inceptisols) to assess the effect of potassium and sulphur on yield attributing characters, yield, uptake and quality of linseed crop. Result showed that yield attributes and yield, content and uptake of K and S in grain and stover and oil content of grain were significantly affected by the application of potassium and sulphur both. In general, application of 80 ppm each of potassium and sulphur increased yield attributes and grain and stover yield significantly. However, these parameters were statistically *at par* at 80 and 120 ppm each of potassium and sulphur. The content and uptake of K and S increased in linear order with the application of both potassium and sulphur up to their highest levels. However, increase was significant only up to 80 ppm each of potassium and sulphur. The results also exhibited that oil content of grain increased with the application potassium and sulphur up to their highest levels. However, increase was higher magnitude at higher levels of sulphur in comparison to potassium.

Key Words: Nutrient uptake, quality, potassium, sulphur, linseed, yield, yield attributes.