

عنوان مقاله:

Effects Different Rates of Nitrogen and Sulphur Application on Canola Yield in North of Khuzestan

محل انتشار:

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خلاصه مقاله:

In order to study the effects of nitrogen and sulphur on yield and oil content of canola (*Brassica napus*L. cv.RGS003), this experiment was conducted in 2007-09 at Safiabad Agricultural Research Center of Dezful, Iran. The experimental design was a complete randomized block with factorial arrangement of treatments with three replications. Factors included two levels of nitrogen: 180 and 240 kg N ha⁻¹ as Urea and four levels of sulphur: control (S0), 200 kg S ha⁻¹ as sulphur powder inoculated with *Thiobacillus*.sp (S1), 100 kg S ha⁻¹ as ammonium sulphate (S2) and 100 kg S ha⁻¹ as gypsum (S3). The results showed that nitrogen had no effect on seed and oil yield, while sulphur affected these traits significantly. Interaction of nitrogen and sulphur was not significant on seed and oil yield. The highest seed and oil yield (2182 kg ha⁻¹ and 675 kg ha⁻¹, respectively) were obtained with application of 180kg ha⁻¹ N and 100 kg S ha⁻¹ as ammonium sulphate.

کلمات کلیدی:

Canola, Nitrogen, Sulphur sources

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