

Effect of different sources of potassium application on yield and quality of *rabi* groundnut crop

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ABSTRACT

A field experiment was conducted during the *rabi* season of 2023 on loamy sand soil on the effect of foliar application together with tank silt and wood ash on the growth and yield attributes of groundnut. The experiment consisted of ten treatments with tank silt, wood ash and K_2SO_4 foliar application with different levels of RDK tested in randomized block design with three replications. Results indicated that foliar spray of potassium sulphate along with 75% RDK and tank silt application recorded higher dry matter, yield and quality parameters. which was on par with the treatment involving 75% RDK + wood ash + K_2SO_4 foliar application at 35 DAS also showed increased dry matter production, yield and oil content. However, protein content was found to be lower in the case of wood ash applied treatment compared to tank silt applied plot.

Keywords: Ground nut, Quality, Tank sit, Wood ash and Yield.