

# **Growth and Quality of Fodder Sorghum as Influenced by Nitrogen Fertilization and Time of Harvesting**

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## **ABSTRACT**

A field experiment was conducted during *kharif*, 2013 to study the effect of different nitrogen levels and time of harvesting on forage yield and quality of fodder sorghum. The experiment was laid out in randomized block design with factorial concept replicated thrice and the treatments consisted of four nitrogen levels *i.e.*, 75, 100, 125 and 150 kg ha<sup>-1</sup> and four times of harvesting *i.e.*, 45, 60, 75 and 90 days after sowing. The results revealed that the growth parameters of plant height, stem diameter, green forage yield and quality parameters were increased significantly with the increase in nitrogen upto 150 kg ha<sup>-1</sup>. where as the crude fibre was decreased. Delay in harvest beyond 75 days in fodder sorghum reduced the crude protein, crude fat and total ash and increased the crude fibre content.

**Key words :** Fodder Sorghum, Green Forage Yield, Stem diameter, Quality Attributes.