

# **Influence of Various Organic Sources on Nodulation, Yield Attributes and Yield of Groundnut (*Arachis hypogaea* L.)**

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## **ABSTRACT**

A field experiment was conducted at the dryland farm of S.V. Agricultural College, Tirupati during *khariif*, 2015 to study the response of groundnut to various organic sources viz., farmyard manure, poultry manure, sheep manure and neem cake along with recommended dose of NPK through fertilizers. Application of recommended dose of nutrients through fertilizers (20-40-50 kg N, P<sub>2</sub>O<sub>5</sub> & K<sub>2</sub>O ha<sup>-1</sup>) resulted in improved yield attributes and yield of groundnut. Among the various organic sources tested, supply of 100% N through FYM recorded significantly higher yield attributes and yield, which was in parity with 50% N through FYM + 50% N through sheep manure. Application of 50% N through poultry manure or sheep manure or neem cake in combination with 50% N through FYM recorded significantly higher pod yield compared to sole application of these manures.

**Key words :** *Groundnut, Organic manures, Nodulation, Yield attributes and Yield.*