

# **Growth and Yield of Groundnut in Coastal Agro Ecosystem of Guntur District in Andhra Pradesh**

**S Chandru, K Lakshman, M Martin Luther and P Venkata Subbiah**

Department of Agronomy, Agricultural College, Bapatla, A. P.

## **ABSTRACT**

A field experiment was conducted during *khariif*, 2019 on sandy clay soil of Agricultural College Farm, Bapatla, to evaluate the response of groundnut varieties to dates of sowing. The experiment was laid out in a factorial and replicated thrice with nine treatments comprising of three sowing dates (2<sup>nd</sup> Fortnight of July, 1<sup>st</sup> Fortnight of August and 2<sup>nd</sup> Fortnight of August) and three varieties (V<sub>1</sub>-Dharani, V<sub>2</sub>-Nithya haritha, and V<sub>3</sub>-TAG-24). Impact of varied sowing windows along with different varieties was found significant on growth parameters and yield attributes of groundnut. Results revealed that growth parameters (plant height, drymatter production (DMP) (kg ha<sup>-1</sup>) and number of branches plant<sup>-1</sup> and yield attributes (No of pods plant<sup>-1</sup>, kernel per pod and haulm yield (kg ha<sup>-1</sup>) of groundnut was recorded significantly higher values with the crop sown on 2<sup>nd</sup> FN of July (1<sup>st</sup> Date of sowing) with the variety TAG-24 (V<sub>3</sub>).

**Keywords:** *Dates of sowing, Growth parameters, Varieties and Yield attributes.*