

# Effect of Dates of Sowing on Yield of Rice Varieties Under Northern Telangana Zone

**K Bhanu Rekha, M Srilatha, T Krishna Mohan and S H K Sharma**  
Regional Agricultural Research Station, Jagtial, Karimnagar

## ABSTRACT

Field experiments were carried out during *kharif* 2007 and 2008 at RARS, Jagtial to study the yield potential of rice varieties under different dates of sowing. The experiment was conducted in split plot design with six varieties *viz.*, (JGL – 3844, JGL-3855, JGL-11470, JGL-11727, JGL-13595 and JGL-1798) with four dates of nursery sowings (15<sup>th</sup> May, 30<sup>th</sup> May, 15<sup>th</sup> June and 30<sup>th</sup> June) and replicated thrice. The crop was fertilized with 120, 60, 40 and 20 kg N, P, K and ZnSO<sub>4</sub> respectively. Results indicated that the mean grain yield reduced significantly during both the years of experimentation with delay in planting from 15<sup>th</sup> June to 30<sup>th</sup> July. Number of panicles hill<sup>-1</sup>, filled grains panicle<sup>-1</sup> and straw yield decreased with delay in date of planting when compared to early planting (June 15<sup>th</sup>). Among the six varieties tested, JGL-3844 performed well under delayed sowing (30<sup>th</sup> July) by recording a grain yield of 5838 kg ha<sup>-1</sup> and 5905 kg ha<sup>-1</sup> during 2007 and 2008, respectively.

**Key words :** Dates of sowing, Rice varieties and Yield