

Thermal requirements of Jute (*Corchorus olitorius* L.) under different growing environments in coastal A.P

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ABSTRACT

A field experiment was conducted at Agricultural College Farm, Bapatla on clay soil during *kharif* 2016 to study the thermal requirement and yield relationship in jute (*Corchorus olitorius* L.) varieties under different growing environments. The crop sown during 1st FN of July (D₁) with S-19 variety took maximum number of days for maturity and total growing degree days which reduced significantly with subsequent delay in sowing. The highest drymatter at harvest (7263 kg ha⁻¹) and seed yield (1355 kg ha⁻¹) was recorded with 1st fortnight of July sowing (D₁) for all the three varieties *viz.*, JRO-524, Ira and S-19 due to higher growing degree days. Significant linear relationships were also observed for both drymatter and seed yield for all the three varieties of Jute with GDD.

Key words: *Jute, Growing Degree Days and linear relationship*