

Growing Degree Days and Heat Use Efficiency of Fingermillet Varieties at Different Sowing Dates

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ABSTRACT

A field experiment was conducted at Agricultural College Farm, Bapatla on sandy loam soil during *khariif* 2015 to study the crop heat unit requirement on growth and yield of fingermillet (*Eleusine coracana* L.) varieties sown at different dates. The highest drymatter (3665kg ha⁻¹) at harvest and grain yield (2305 kg ha⁻¹) was recorded with (D₂) 2nd fortnight of July sowing. Higher values of Growing Degree Days (GDD) and Heat Use Efficiency (HUE) were also observed with (D₂) 2nd fortnight of July and significant linear relationships were observed for drymatter and grain yield for all the three varieties of fingermillet with GDD and HUE.

Key words: Fingermillet, Growing Degree Days, Heat Use Efficiency.