

Studies on Growth Analysis and Yield of Redgram Varieties in *Rabi*

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ABSTRACT

A field experiment was conducted during *rabi* 2009-2010 to study the growth analysis and yield of red gram varieties in *rabi*. The results revealed that among early maturing varieties tested, Piler local recorded highest LAI (0.859), LAD ($13.34 \text{ cm}^2 \text{ day}^{-1}$), RGR ($0.043 \text{ g g}^{-1} \text{ day}^{-1}$), NAR ($1.33 \text{ mg dm}^{-2} \text{ day}^{-1}$), SLA ($138 \text{ Cm}^2 \text{g}^{-1}$), SCMR (51.9) and yield (1672 kg / ha) compared to other varieties at 90 DAS. Among late duration varieties, LRG 41 recorded highest leaf area index (0.938), leaf area duration ($13.82 \text{ cm}^2 \text{ day}^{-1}$), NAR ($1.08 \text{ mg dm}^{-2} \text{ day}^{-1}$). SCMR (55.6) and seed yield (1862 kg/ha) compared to other varieties.

Key words : Growth analysis, Harvest index, Leaf area index, Net assimilation rate, Seed yield, SCMR. .