



Evaluation of Turmeric (*Curcuma longa* L.) Cultivars under Hill Zone of Karnataka

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Abstract: Cultivar Kanti recorded highest plant height and number of tillers, CLT-325 maximum leaf area and leaf area index at 180 days after planting. The maximum fresh rhizome yield was in Kanti (21.34 t ha⁻¹) followed by Rajapuri, CLT-325 and PTS-24. Significant variations were observed for curing percentage among different cultivars. Highest curing percentage was in Kanti followed by PTS-24, CLT-325, Alleppey and Swarna. Kanti recorded highest cured yield 5.59 t ha⁻¹, which is on par with CLT-325 and PTS-24. With respect to curcumin content cultivar PTS-24 (7.23 %) was found superior followed by Kanti (7.13 %) and were on par with each other. Considering the better performance in terms of growth, yield and quality the cultivars Kanti, CLT-325, and PTS-24 are identified as promising suitable cultivars for rain fed condition under hill zone of Karnataka.

Key Words: Turmeric, Leaf Area Index, Yield, Curing percentatage, Cured yield, Curcumin content
