

**GROWTH PERFORMANCE OF RUBBER (*HEVEA BRASILIENSIS* MUELL. ARG.)  
PLANTATION IN HILLY ZONE OF KARNATAKA****Shahbaz Noori\* and S.S. Inamati**

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**Abstract:** The objective of this experiment was to assess the influence of site factors on growth and productivity of *Hevea brasiliensis* clone RRII 105 in different aged rubber plantation in Hilly zone of Karnataka. Hilly zone was classified into two ecological zones based on annual rainfall distribution viz., Mundgod (798 mm) and Sagara (1918 mm). Seasonal diameter increments during monsoon (June-September) and winter (October-December) was higher and declined subsequently in summer (January-March) in all age gradation. The volume production and productivity was observed to be double in Sagara for all the age gradation in comparison with Mundgod due to maximum DBH, tree height, favourable climatic conditions, moderate soil fertility status and lesser temperature extremes prevailing in zone.

**Keywords:** Age, girth increment, Productivity, Site factor, Hilly zone

**REFERENCES**

**Chandrashekhar, T. R.; Gireesh, T.; Raj, S.; Mydin, K. K. and Mercykutty, V. C.** (2003). Girth growth of rubber (*Hevea brasiliensis*) trees during the immature phase. *Journal of Tropical Forest Science*, 7(3): 399-415.

**Guohua, F. and Haiping, X.** (2005). Empirical analysis on supply and demand of NR in China. *International Natural Rubber Conference*, 6-8 November, Cochin. 4: 7-12, Kerala, India.

**Krishnan, B.** (2015). Growth assessment of popular clones of natural rubber under warm dry climatic conditions of Chhattisgarh, Central India, *Journal of Experimental Biology and Agricultural Sciences*, 3(2): 157-161.

**Shorrocks, V. M.; Templeton, J. K. and Lyer, G. C.** (1965). Mineral nutrition, growth and nutrient cycle of *Hevea brasiliensis* III. The relationship between girth and dry shoot weight. *Journal of Rubber Research*, 19: 85-92.

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