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PRODUCTION POTENTIAL OF KHARIF CROPS UNDER BAMBOO BASED AGRISILVICULTURE SYSTEM

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ABSTRACT: The present experiment was conducted during kharif 2010 at Dusty Acre Research Farm, Department of Forestry, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (M.P.) in order to identify suitable kharif crop combinations with bamboo based agroforestry system. There are two bamboo species viz., *Dendrocalamus strictus* and *Bambusa arundinacea* with four different kharif crops viz., Moong, Soybean, Paddy and Til. During the investigation both the bamboo species showed non significant variation for grain yield as well as for straw yield. Different kharif crops showed variable performance under bamboo as compared to sole crop. Among four kharif crops soybean and moong was found most sensitive with bamboo as compared to paddy and til.

Keywords: *Agrisilviculture system, Bamboo, Resources, Kharif crops*