



Evaluation of Different Substrates for Cultivation of *Ganoderma lucidum* (M.A. Curtis : Fr.) P. Karst

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Abstract: Two strains of *Ganoderma lucidum* were collected and cultured on malt extract medium. Malt extract medium, temperature range of 25-35°C and acidic pH (5.0) were conducive for the mycelial growth of *G. lucidum*. Mango sawdust supplemented with 10 per cent wheat bran at light intensity 500-800 lux was best in terms of spawn run, primordial initiation, number of primordia, fruit body expansion and development, yield and biological efficiency among all the substrate combinations. Supplementation of wheat bran (10%) in mango sawdust as a base substrate can be used commercially for the cultivation of *G. lucidum* by the mushroom growers and entrepreneurs.

Key Words: Fruiting, *Ganoderma lucidum*, Primordia, Saw dust, Wheat bran
