# Vermitechnology to Sustain Upland Rice System. (A08angadi111649-Poster)

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#### **Abstract:**

Upland rice lacks sustainability in yield and therefore leads to frequent losses to the farmers. Vermitechnology is gaining importance these days in sustainable crop production. Integrated nutrient management in upland rice was experimented through vermitechnology at the Agricultural Research Station, Mugad, University of Agricultural Sciences, Dharwad, India during the wet seasons of 1994, 1995 and 1996. Main plot treatments were flat bed (FB) layout with or without vermiculture (50,000 earthworms and 2.5 t pady straw per ha) and broad bed and furrow (BBF) layout with vermiculture. Organics like farm yard manure (FYM) 10 t per ha and vermicompost 2.5 t per ha were the subplots and 0, 50 and 100 per cent recommended NPK fertilizers (RDF) were the subsubplot treatments. During the third year, vermiculture in BBF, with vermicompost and 100 per cent RDF application sustained the productivity with 60 per cent higher grain yield than 100 per cent RDF check. Use of vermiculture and organics along with inorganic fertilizers was also helpful in maintaining the soil fertility at a higher level and getting increased monetary benefits.

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