



Effects of organic manures, sources and levels of fertilizers on yield attributes and yield of finger millet (*Eleusine coracana* G.)

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Abstract : A field experiment was conducted to assess the effect of organic manures and sources and levels of fertilizers on yield attributes and yield of finger millet. (*Eleusine coracana* G.) on lateritic soil having low to moderate soil fertility status at the Central Experiment Station, Wakawali, Dist. Ratnagiri during *Kharif* season of the year 2009. There were four main plot treatments and five sub plot treatments. The experiment was laid out in a Split Plot Design with three replications. The four main plot treatments comprised of organic manures viz., poultry manure, farm yard manure, vermicompost and control. The five sub-plot treatments consisted of sources and levels of fertilizers viz., control, 75 per cent RDF through broadcasting, 100 per cent RDF through broadcasting, 100 per cent RDF through urea DAP briquettes and 100 per cent RDF through urea Suphala briquettes. From the results obtained during the present investigation it can be concluded that for obtaining higher yield from *Kharif* finger millet, the crop should be manured with poultry manure @ 1.32 t ha⁻¹ along with 100% RDF (80:40:00 kg N:P₂O₅:K₂O ha⁻¹) through broadcasting (two split of nitrogen).

Key Words : Organic manures, Sources and levels of fertilizers, Yield, Finger millet

View Point Article : Gawade, M.B., Mahadkar, U.V. and Jagtap, D.N. (2013). Effects of organic manures, sources and levels of fertilizers on yield attributes and yield of finger millet (*Eleusine coracana* G.). *Internat. J. agric. Sci.*, **9**(2): 795-798.

Article History : Received : 13.10.2011; Revised : 25.04.2013; Accepted : 26.05.2013