



RESEARCH PAPER

Effect of various organic sources of nutrients on growth, yield and quality of wheat (*Triticum aestivum* L.)

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Abstract : A field experiment was conducted during winter seasons of 2020-21 and 2021-22 at the Research Farm, RVSKVV College of Agriculture, Gwalior (M.P.) to study the effect of organic sources of nutrients on growth, yield and quality of wheat. The treatment receiving Jivamrit 500 lit./ha + Panchagavya 15 lit./ha + vermicompost 5 t/ha + FYM 10 t/ha resulted in maximum growth parameters (plant height 88.77 cm, leaves 60.6 /plant, grains 40.22 /earhead, length of earhead 11.91 cm, weight of earhead 2.40 g and 1000-seed weight 41-05 g), grain yield (41.82 q/ha), straw yield (61.70 q/ha), harvest index (40.40 %), starch content (73.33 %) and protein content (14.22 %). The second best treatment was panchyagavya + vermicompost + FYM, closely followed by Jivamrit + vermicompost + FYM and then Jivamrit + Panchagavya + FYM. All the parameters were decreased significantly under treatments receiving single or two organic sources of nutrients.

Key Words : Organic sources, Nutrients, Wheat, Quality

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