



RESEARCH ARTICLE :

Comparison between different fertilization sources, and their combinations on the growth and yield of Coriander (*Coriandrum sativum* L.)

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SUMMARY : An experiment was conducted during winter season of 2012-13 at College of Agriculture JNKVV, Jabalpur, Madhya Pradesh to assess the effect of different organic manures and inorganic fertilizer levels on growth and yield of coriander (*coriandrum sativum*). Among the organic manures and fertilizer levels, variation in morphological characters (*viz.*, plant height at 30, 60 and 90 DAS, number of primary and secondary branches per plant) were found to be significant. The maximum values were recorded with Poultry manure @ 5 t ha⁻¹ and 100 % RDF respectively. Variation in treatment combinations due to interaction effect was significant (except for number of primary and secondary branches per plant) and the maximum values were recorded with Poultry manure @ 5 t ha⁻¹ + 100 % RDF. Days taken to first and 50 % flowering were significantly influenced due to organic manures and fertilizer levels. FYM @ 2.5 t ha⁻¹ and 50% RDF showed early first and 50 % flowering. Interaction of both the nutrient sources *i.e.* organic manures and inorganic fertilizers responded well in terms of growth and yield. It is concluded that the application of poultry manure @ 5 t ha⁻¹ + 100 % recorded the maximum seed yield (19.16 q per ha) of coriander variety JD-1.

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