



Research Paper

Impact of various levels of organic sources on economics feasibility of the crop production of coriander (*Coriandrum sativum* L.)

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ABSTRACT : An experiment was conducted to assess the economic feasibility of various levels of organic sources to the crop production of coriander (*Coriandrum sativum* L.) during the *Rabi* season of 2011-12 at the main experiment station, Department of Vegetable Science, Narendra Dev University of Agriculture and Technology, Narendra Nagar (Kumarganj), Faizabad (U.P.). The experiment was initiated with eight treatments T₁ (FYM 100 % @ 10 t/ha), T₂ (vermicompost 100 % @ 5 t/ha), T₃ (FYM 50 % 5t/ha) + vermicompost 50 per cent (2.5t/ha), T₄ (FYM 25 % 2.5t/ha) + vermicompost 75 per cent (3.75t/ha), T₅ (FYM75 % 7.5t/ha) + vermicompost 25 per cent (1.25t/ha), T₆ (of FYM @ 5 t/ha + *Azospirillum* @ 1.5 kg/ha), T₇ (Recommended dose of fertilizers 60:30:30 kg NPK/ha) and T₈ (control). From over all experimental results it is concluded that higher economic return (63030.00 Rs./ha) was obtained from higher coriander yield (14.58 q/ha) with the application of better combination of organic sources. *i.e.* T₄ (Application of FYM 25 % 5 t ha⁻¹) + vermicompost 75 per cent (3.75 t ha⁻¹) treatment. Thus, the present findings have practical utility in successful cultivation of seed spices particularly coriander whereas, the highest cost: benefit ratio (1: 2.82) has been calculated by the use of T₆ (Application of FYM @ 5 t/ha. + *Azospirillum* @ 1.5 kg/ha) treatment.

KEY WORDS : F.Y.M., Vermicompost, Economic feasibility, Coriander, Yield

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