

Research Article

Effects of biofertilizer on the growth characters, yield attributes and quality of coriander (*Coriandrum sativum*)

■ ROSHAN LAL SAHU, HANSA SAHU AND PRADEEP KASHYAP

Received : 24.08.2013; Revised : 27.09.2013; Accepted : 07.10.2013

MEMBERS OF RESEARCH FORUM :

Corresponding author :

ROSHAN LAL SAHU, Department of Horticulture, Indira Gandhi Krishi Vishwavidyalaya, RAIPUR (C.G.) INDIA
Email: roshanagri@rediffmail.com

Co-authors :

HANSA SAHU, Department of Horticulture, Indira Gandhi Krishi Vishwavidyalaya, RAIPUR (C.G.) INDIA

PRADEEP KASHYAP, Department of Horticulture, Indira Gandhi Krishi Vishwavidyalaya, RAIPUR (C.G.) INDIA

Summary

In order to study the effect of biofertilizer on the growth characters, yield attributes and quality of coriander (*Coriandrum sativum*), an experiment was conducted as factorial experiment in the base of Randomized Complete Blocks Design with fifteen treatments and three replications at Horticulture research farm IGKV Raipur during Rabi season 2007-08. The factors were phosphate solubilizing bacteria (PSB), mixture of *Azotobacter* and *Azospirillum* with inorganic fertilizers (NPK). Results showed that the highest plant height, umbel number per plant, weight of 1000 seeds, dry weight of plant and seed yield were obtained by using the treatment T₈ (100% K and 75% NP along with *Azotobacter*, *Azospirillum* and PSB) which was significantly superior to the rest of the treatments and all characters taken under investigation. Hence, it is concluded that the biofertilizers also showed significant effect on important growth and yield attributing characters taken under investigation.

Key words : Coriander, PSB, *Azotobacter*, *Azospirillum*, Seed yield

How to cite this article : Sahu, Roshan Lal, Sahu Hansa and Kashyap, Pradeep (2013). Effects of biofertilizer on the growth characters, yield attributes and quality of coriander (*Coriandrum sativum*). *Asian J. Soil Sci.*, 8(2): 330-333.