

Response of vermi-compost on Growth and Yield of Pea (*Pisum sativum* L.) cv. Arkel

Pisum sativum, vermi-compost, FYM, NPK

1 Division of Seed Science and Technology, Indian Agricultural Research Institute, New Delhi-110012 India 2 Department of Horticulture, HNB Garhwal University Srinagar- 246174 (Uttarakhand) India Email: akim_ag2007@rediffmail.com

Abstract :

The present investigation "Response of vermi-compost on growth and yield of pea (*Pisum sativum* L.) cv.

Arkel" comprised of seven treatments consisting of three level of vermi-compost, three level of vermi-compost with NPK, and one level of FYM + NPK. During the experimentation, growth character and yield characters were recorded. The germination of pea cv. Arkel, Seeds became faster with T4 (vermi-compost-10 t/ha+NPK) treatment but there after the germination occurred at slower rate and days taken for completion of germination increased progressively. The T4 (vermi-compost-10 t/ha + NPK) treatment exhibited the maximum nodule formation and yield. A comparative study of the present findings led to the conclusion that sowing of pea with the application of vermi-compost @ 10 t/ha and NPK @ 25:60:50 kg/ha was found most effective to best growth of pea crop under Srinagar valley condition of Garhwal region of Uttarakhand state. [Nature and Science 2010;8(4):18-21].ISSN:1545-

0740).

Key Word :

Pisum sativum, vermi-compost, FYM, NPK

Volume 8, Number 4, April 2010 , ISSN 1545-0740