THE ASIAN JOURNAL OF HORTICULTURE
Volume **9** | Issue 1 | June, 2014 | 136-139
e ISSN- 0976-724X | Open Access-*www.researchjournal.co.in* |

Research Paper

Article history **:**
Received : 11.12.2013
Revised : 30.04.2014
Accepted : 07.05.2014

Effect of organic nutrients on growth and yield of vegetable cowpea

S. ANUJA AND **C.N. VIJAYALAKSHMI**[1]

Members of the Research Forum

Associated Authors:
[1]Department of Horticulture, Faculty of Agriculutre, Annamalai University, Annamalainagar, CHIDAMBARAM (T.N.) INDIA

Author for correspondence :
S. ANUJA
Department of Horticulture, Faculty of Agriculutre, Annamalai University, Annamalainagar, CHIDAMBARAM (T.N.) INDIA
Email : anujasing@yahoomail.com

ABSTRACT : An investigation was carried out to find out the effect of organic nutrients in vegetable cowpea [*Vigna unguiculata* (L) Walp.] var. Ankur Gomathi during season I (Jan-April 2012) and season II (Aug-Nov 2012) at the Deparment of Horticulture, Faculty of Agriculture, Annamalai University. The results indicated that plant height, was favourably enhanced by the treatment of FYM @ 25 t ha^{-1} + neem cake @ 5 t ha^{-1} + panchagavya 3 %, whereas number of branches per plant, was favourably enhanced by the treatment FYM @ 25 t ha^{-1} + vermicompost @ 5 t ha^{-1} + panchagavya 3%. The yield per ha showed that FYM @ 25 t ha^{-1} + vermicompost @ 5 t ha^{-1} + panchagavya 3 % recorded highest yield of 6.75 t ha^{-1} in season I and 6.22 t ha^{-1} in season II as compared to 3.64 t ha^{-1} and 3.59 t ha^{-1} in the control during season I and season II, respectively. Thus the FYM @ 25 t ha^{-1} + vermicompost @ 5 t ha^{-1} + panchagavya 3 % was observed to be best treatment in both the seasons.

KEY WORDS : Vermicompost, Panchagavya, FYM, Growth, Yield, Cowpea

HOW TO CITE THIS ARTICLE : Anuja, S. and Vijayalakshmi, C.N. (2014). Effect of organic nutrients on growth and yield of vegetable cowpea. *Asian J. Hort.*, **9**(1) : 136-139.