



Research Paper

Article history :

Received : 03.10.2013

Revised : 27.03.2014

Accepted : 11.04.2014

Effect of integrated nutrient management on growth attributes in custard apple cv. ARKA SAHAN

■ ASHEESH SHARMA, PRERAK BHATNAGAR¹ AND M.C. JAIN¹

Members of the Research Forum

Associated Authors:

¹Department of Fruit Science,
College of Horticulture and Forestry,
JHALAWAR (RAJASTHAN) INDIA
Email : prerakb_22@yahoo.co.in;
jainmchf@yahoo.in

Author for correspondence :

ASHEESH SHARMA

Department of Fruit Science, College
of Horticulture and Forestry,
JHALAWAR (RAJASTHAN) INDIA
Email : ashishbhar1983@gmail.com

ABSTRACT : The effect of organic and inorganic fertilizers supplemented with bio-fertilizers on growth parameters of custard apple cv. Arka Sahan during growth period (September, 2010 to March, 2011) was studied. The experiment consisted of different treatment combinations comprising recommended dose of fertilizers, vermicompost and bio-fertilizer (*Azotobacter*, PSB and VAM). Experimental findings revealed that different treatments of integrated nutrient sources significantly increased the plant parameters. Among these integrated nutrient management treatments, treatment T₁₀ comprising 50 per cent recommended dose of fertilizers + 50 per cent N through vermicompost and bio fertilizers (*Azotobacter* 50 g + PSB 50 g + VAM 20 g) was found significantly superior over other treatments including control with respect to growth parameters such as per cent increase in plant height, rootstock girth, scion girth, plant spread, and number of primary branches per plant etc. in custard apple cv. Arka Sahan.

KEY WORDS : Custard apple, Bio-fertilizers, Organic and inorganic fertilizers, Growth parameters

HOW TO CITE THIS ARTICLE : Sharma, Asheesh, Bhatnagar, Prerak and Jain, M.C. (2014). Effect of integrated nutrient management on growth attributes in custard apple cv. ARKA SAHAN. *Asian J. Hort.*, 9(1) : 43-47.