

Click www.researchjournal.co.in/online/subdetail.html to purchase.

Research Paper

ADVANCE RESEARCH JOURNAL OF
C R P
IMPROVEMENT
Volume 5 | Issue 2 | Dec., 2014 | 140-143
..... e ISSN-2231-640X

DOI :
10.15740/HAS/ARJCI/5.2/140-143
Visit us: www.researchjournal.co.in

Effect of foliar spray of urea and zinc on growth and flowering attributes of guava (*Psidium guajava*) cv. BHAVNAGAR RED

■ J.M. PARMAR¹, K.M. KARETHA AND P.J. RATHOD¹

AUTHORS' INFO

Associated Co-author:

¹Department of Processing and Food Engineering, College of Agricultural Engineering and Technology, Junagadh Agricultural University, JUNAGADH (GUJARAT) INDIA
Email: pjrathod@jau.in,
jaydevsinhparmar0007@gmail.com

Author for correspondence: K.M. KARETHA

Department of Horticulture, College of Agriculture, Junagadh Agricultural University, JUNAGADH (GUJARAT) INDIA
Email: kmkaretha@jau.in

ABSTRACT : Study was conducted in experimental farm of Junagadh Agricultural University, Gujarat India to find out the effect of foliar application of 1.0 per cent, 1.5 per cent or 2.0 per cent urea and zinc sulfate with concentration of 0.2, 0.4 and 0.6 per cent on guava crop, respectively, just before blooming significantly improved shoot growth, leaf number, area and weight. The best results were obtained with treatments of 1.0 and 1.5 per cent foliar spray of urea. In case of flowering, fruit set and fruit retention was better in treated plants with fertilizer. The size of fruits and yield per tree increased with increasing urea concentration and the significant variation in number of flowers per shoot was observed while non significant effect was observed under interaction effect of urea and zinc. The highest fruit weight and maximum fruit girth was registered with 0.6 per cent zinc. Thus, it is proved that 1.5 per cent urea solution and 0.6 per cent zinc sulphate were effective for the augmentation of growth and flowering attributes of guava.

Key Words : Foliar spray, Urea, Zinc, Guava

How to cite this paper : Parmar, J.M., Karetha, K.M. and Rathod, P.J. (2014). Effect of foliar spray of urea and zinc on growth and flowering attributes of guava (*Psidium guajava*) cv. BHAVNAGAR RED. *Adv. Res. J. Crop Improv.*, 5 (2) : 140-143.

Paper History : **Received** : 19.10.2014; **Revised** : 01.11.2014; **Accepted** : 14.11.2014