AJH
eISSN- 0976-724X

THE ASIAN JOURNAL OF HORTICULTURE
Volume **11** | Issue 1 | June, 2016 | 68-71
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RESEARCH PAPER

DOI : 10.15740/HAS/TAJH/11.1/68-71

Article history **:**
Received : 25.01.2016
Revised : 14.04.2016
Accepted : 26.04.2016

Effect of foliar spray of zinc sulphate and gibberellic acid on growth and quality of guava G-27 (*Psidium guajava* L.)

■ **MD. JAWED, R. LEKHI[1], N. VASURE[1], R. JATAV[1] AND S. KHAN[1]**

Members of the Research Forum

Associated Authors:
[1]Department of Horticulture, College of Agriculture, Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, GWALIOR (M.P.) INDIA

Author for correspondence :
MD. JAWED
Department of Horticulture, College of Agriculture, Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, GWALIOR (M.P.) INDIA
Email : mdjawed827@gmail.com

ABSTRACT : A field experiment was conducted at university guava orchard, Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior (M.P.) during the year 2014-15. Guava plants were treated with zinc sulphate at 0.2 per cent, 0.3 per cent and 0.4 per cent and GA_3 at 30 ppm, 60 ppm and 90 ppm along with a control. Higher concentration of zinc sulphate (0.40%) and GA_3 (90 ppm) spray enhanced the tertiary shoot length (8.08 cm), Shoot diameter (4.26 mm) and number of leaves per shoot (7.10). The maximum fruit set (95.55%) and fruit retention (77.48%) was recorded with higher dose of zinc sulphate and GA_3. The higher dose of zinc sulphate and GA_3 minimize the fruit drop (18.07%). Maximum TSS (11.65) was recorded in higher dose of zinc sulphate and GA_3. Minimum acidity (0.20%) was recorded in higher dose.

KEY WORDS : Foliar spray, Zinc sulphate, GA_3, Quality of guava

HOW TO CITE THIS ARTICLE : Jawed, Md., Lekhi, R., Vasure, N., Jatav, R. and Khan, S. (2016). Effect of foliar spray of zinc sulphate and gibberellic acid on growth and quality of guava G-27 (*Psidium guajava* L.). *Asian J. Hort.*, **11**(1) : 68-71, **DOI : 10.15740/HAS/TAJH/11.1/68-71.**