AJH
eISSN- 0976-724X

THE ASIAN JOURNAL OF HORTICULTURE
Volume **10** | Issue 1 | June, 2015 | 139-143
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RESEARCH PAPER

DOI : 10.15740/HAS/TAJH/10.1/139-143

Article history **:**
Received : 30..04.2015
Revised : .02.05.2015
Accepted : 26.05.2015

Effect of foliar silicic acid on quality attributes of rose cut flowers (*Rosa hybrid* L.)

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ABSTRACT : A study was carried out in Division of Horticulture to evaluate the effect of foliar application Silicic acid on quality attributes of Rose cut flowers under naturally ventilated poly house with seven treatments, three replications and four varieties. Among the treatments application of foliar Silicic acid @ 4ml L^{1} at 10 days interval recorded significantly highest flower bud length of 3.75 cm and neck length of 9.15cm. Foliar Silicic acid (SA) @ 6ml L^{1} applied at 10 days interval recorded significantly highest flower stalk length of 32.62cm and girth of the flower stalk of 0.48cm. Foliar Silicic acid (SA) 6ml L^{1} applied at 20 days intervals recorded significantly highest flower bud diameter of 2.10cm. Application of foliar Silicic acid proved to have beneficial effects on quality attributed of cut rose flowers under naturally ventilated poly house conditions.

KEY WORDS : Silicon, Rose flowers, Quality attributes, Silicic acid

HOW TO CITE THIS ARTICLE : Chikkur, Shrinivas, Prakash, N.B., Parmeshwar, A.S. and Lenkannavar, Rajeshwari (2015). Effect of foliar silicic acid on quality attributes of rose cut flowers (*Rosa hybrid* L.). *Asian J. Hort.*, **10**(1) : 139-143.