



**RESEARCH ARTICLE :**

# Correlation studies of guava graft compatibility and its growth performance in relation with different nature of scion

■ **U.R. RESHMA, S.G. BHARAD AND KUNTAL SATKAR**

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**SUMMARY :** In order to investigate the influence of nature of scion on graft success, subsequent growth of scion shoot and development of the successful grafts in guava, a field experiment was carried out in Nursery unit of Dr. P.D.K.V, Akola during the year 2015-16. The results were obtained for the correlation co-efficient. The correlation co-efficient indicates the presence of inherent association between various characters. The final survival of guava grafts were positively and significantly correlated with days required for bud sprouting ( $r=0.845^{**}$ ), graft take percentage ( $r=0.970^{**}$ ), scion length ( $r=0.956^{**}$ ) number of leaves ( $r=0.984^{**}$ ) and leaf area ( $r=0.809^{*}$ ) in relation with green quadrangular terminal shoot used as scion, while final survival was negatively associated with days required for sprouting when the brown corky shoot concerned.

**KEY WORDS :**

Guava, Grafting performance, Scion, Correlation

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**Author for correspondence :**

**U.R. RESHMA**

Department of  
Horticulture, Dr.  
Panjabrao Deshmukh  
Krishi Vidyapeeth,  
AKOLA (M.S.) INDIA  
Email : ur.reshu@  
gmail.com

See end of the article for  
authors' affiliations