



## Research Note

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# Effect of pre-sowing treatment of kernels on graft success of mango (*Mangifera indica* Linn.)

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**ABSTRACT :** To assure the availability of quality planting material in a short period of time with maximum graft success, a study was conducted at College of Horticulture, Rajendranagar by utilizing cv. Totapuri and cv. Alphonso as rootstock, Baneshan as scion and by employing soft wood grafting during 2010-11. An experiment was laid out in randomized block design with pre-sowing treatments of kernels with KNO<sub>3</sub> at 0.5 %, KNO<sub>3</sub> at 1 % and control in cv. Totapuri and cv. Alphonso. The results revealed that extracted kernels pre-treated with KNO<sub>3</sub> at 0.5 % in cv. Totapuri recorded best results viz., early sprouting of buds on scion (17.44 days), maximum graft success (73.66%), more number of flushes per scion (2.42), more number of leaves (17.98), maximum diameter at graft union (8.55 mm) and maximum height of the graft (28.78 cm).

**KEY WORDS :** Alphonso, GA<sub>3</sub>, Graft success, KNO<sub>3</sub>, Mango, Totapuri

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