



## Research Paper

**Article history :**

Received : 14.08.2013

Revised : 01.10.2013

Accepted : 15.10.2013

# Effect of various concentration of indole butyric acid on the rooting performance of low-chilling peach (*Prunus persica* Batsch.) cultivars at Allahabad region

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**ABSTRACT :** The experiment was laid out Factorial Randomized Blok Design (RBD) with three variety (Saharanpur Prabhat, Pratap and sharbati), 5 different concentration of IBA (0 ppm, 500 ppm, 1000 ppm 1500 ppm and 2000 ppm.) and three replications. The cuttings were treated with IBA concentration just before planting in the month January. From the findings, it is significantly observed that the V<sub>3</sub> I<sub>3</sub> (V<sub>3</sub>-Sharbati and I<sub>3</sub>-1000ppm IBA) gave maximum rooting performance (58.63%), maximum number of sprout per cutting (4.30), maximum number of leaf per cutting (14.50), maximum number of primary roots per cutting (22.09), maximum length of longest root (12.17 cm), maximum diameter of root (0.333cm).

**KEY WORDS :** Peach, IBA, Hard wood, Rooting

**HOW TO CITE THIS ARTICLE :** Narayan, A., Prasad, V.M. and Dutta, S. (2013). Effect of various concentration of indole butyric acid on the rooting performance of low-chilling peach (*Prunus Persica* Batsch.) cultivars at Allahabad region. *Asian J. Hort.*, **8**(2) : 648-652.