



## Research Note

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# Factors affecting propagation and plant survival in rose cv. RAKATAGANDHA

■ H.S. GREWAL AND KUSHAL SINGH<sup>1</sup>

### Members of the Research Forum

#### Associated Authors:

<sup>1</sup>Department of Floriculture and Landscape, Punjab Agricultural University, LUDHIANA (PUNJAB) INDIA

#### Author for correspondence :

**H.S. GREWAL**

Department of Floriculture and Landscape, Punjab Agricultural University, LUDHIANA (PUNJAB) INDIA

Email : grewalhs11@hotmail.com

**ABSTRACT :** In rose cv. Raktagandha, plant survival was significantly more in conventional method (88.19 %) than cutting-buddage (43.33 %), although the later was more useful in large scale propagation. The treatment of budded cuttings with IBA 2000 mg/l resulted in significantly more plant survival (77.96%) as compared to the control (64.44%). The treatment of budded cuttings with IBA 2000 mg/l and IBA 3000 mg/l were at par with respect to plant survival. The plant survival was significantly more (77.76%) in bud treatment with BA 50 mg/l as compared to the control (74.81%). The rooting of cuttings and bud take was significantly more under protected condition as compared to the open conditions resulting in higher plant survival.

**KEY WORDS :** Rose, Propagation, Cutting-buddage, Growth regulator

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