



Research Paper

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Evaluation of double petalled cultivars of tuberose (*Polianthes tuberosa* Linn.) under Delhi condition

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ABSTRACT : In an experiment conducted to evaluate five cultivars of double petalled tuberose (*Polianthes tuberosa* Linn.), namely, Pearl Double, Suvasini, Vaibhav, Hyderabad Double and Swarn Rekha, cv Swarn Rekha could produce significantly taller plants (46.99 cm) followed by cv. Vaibhav (38.87 cm). However, the shortest plants were recorded in cv Pearl Double (29.7 cm). The highest number of leaves (97.8) and tillers (16.51) per clump were produced in cv Suvasini. The maximum leaf width (2.24 cm) and a significantly highest fresh weight (139.07g) as well as dry weight (19.90g) of leaves per clump were recorded in cv Vaibhav. Flowering did not occur in cv Swarna Rekha and remained non-flowering during the entire experiment. The highest flowering duration (25.07 day), spike length (80.38 cm), internodal length of spike (5.25 cm), spike diameter (1.41 cm), fresh weight of cut spike (256.11g), number of florets per spike (47.05), length (6.03 cm), diameter (5.38 cm) and fresh weight (3.34 g) of open floret, length of individual mature floret (5.26 cm) and fresh weight of floret per spike (199.07 g) were recorded in cv Suvasini as compared with rest of the tested cultivars. Significant and the highest number of bulbs (18.73) and bulblets (10.15) per clump, diameter of bulb (3.05 cm) and bulblet (1.18 cm) and weight of individual bulb (32.83 g) and bulblet (3.33g) per clump were recorded in cv. Suvasini which was significantly higher than rest of the cultivars.

KEY WORDS : Bulb, Loose flower, Spikes

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