



Effect of spacing, planting methods and mulching on growth and floral parameters in gladiolus (*Gladiolus hybridus* L) cv. AMERICAN BEAUTY

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Abstract : The experiments was carried out to study the effect of spacing, planting methods and mulching on growth and floral parameters in gladiolus (*Gladiolus hybridus* L) cv. American Beauty at the Department of Horticulture, University of Agricultural Sciences, GKVK, Bangalore during both *Kharif* and *Rabi* seasons of 2007-08 and 2008-09. The experiments consisted of eight treatments with three replications were carried out by Randomized Complete Block Design. The experiment comprised of single row 30 x 20 cm and 40 x 20 cm with mulching and no mulching and double row 30x 20 x 60 cm and 40 x 20 x 80 cm with mulching and no mulching. The present investigation reveals that, there was an improvement in the growth and floral parameters in gladiolus in 30 x 20 cm spacing with mulched plots treatments. Improved growth, flower yield and corm yield were observed in plastic mulched plots irrespective of different levels of spacing, planting methods adopted.

Key Words : Spacing, Planting method, Mulching, Gladiolus

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