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Evaluation of gerbera (*Gerbera jamesonii*) cultivars under shade net house condition

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ABSTRACT : Evaluation of gerbera (*Gerbera jamesonii*) cultivars under shade net house condition was conducted at Floriculture unit, Department of Horticulture, Allahabad School of Agriculture, Sam Higginbottom Institute of Agriculture Technology and Science (Deemed to be university), Allahabad, during the year 2012. The experiment was laid out in a Randomized Block Design having 14 treatments with three replication. The treatments comprised of 14 different cultivar of Gerbera. The results revealed that cultivar Danaellen was found best for obtaining maximum plant height (47.33cm), flower diameter (11.91cm), vase life (14.20 days) and longevity of flower (23.53 days). While, plant spread (50.97cm) and fresh weight of flower (30.65g) found maximum in cultivar Rosalin. The maximum number of Suckers (6.33) and minimum number of days (51.45) for flower bud initiation as found in cultivar prime rose. The highest number of leaves (25.47) as found in cultivar Sangria and maximum Stalk length (71.67 cm) was found in cultivar Intense. Maximum number of flower (10.22), flowers per plot (204.47) and flower yield per hectare (681333) and gross return, net return and benefit cost ratio (2043999.00Rs./ha, 590999 Rs./ha and 1.41, respectivly) in Malibu.

Key Words : Gerbera, cultivar, vase life and benefit cost ratio.