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Effect of physical regulation on plant growth and flower production of *in vitro* raised hybrid gerbera

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ABSTRACT : Experiment was carried out to find out the impact of physical treatment on growth and flowering of *in vitro* raised hybrid gerbera plants in Department of Floriculture and Landscaping. The findings of physical treatments followed by antibiotics revealed that disbudding followed by neospirine application enhanced the plant spread, number of leaves per plant, stalk length, number of flowers per plant and flower diameter throughout the investigation period from January to June 2011. The treatment recorded most spectacular effect during the month of March with maximum plant spread (33.57 cm), number of leaves per plant (12.7), longer stalk (35.77 cm), number of flowers per plant (2.63) and larger flower (8.23 cm dia.). Pressing by heated steel rod at the axil of the leaf was found to be inferior among all the physical treatments.

KEY WORDS : Gerbera, Disbudding, Antibiotics, Leaf axil, Shade net

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