Effect of plant growth retardants and pinching on growth, flowering and yield of gaillardia (*Gaillardia pulchella* Foug.) cv. LORENZIANA

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ABSTRACT

An experiment was carried out to study the effect of plant growth retardants and pinching on growth, flowering and yield of gaillardia (*Gaillardia pulchella* Foug.) cv. LORENZIANA at college nursery, Department of Horticulture, A.A.U., Anand during the month of November, 2007 to April, 2008. The treatments comprised of two different concentrations of CCC (500 and 1000 ppm), MH (50 and 100 ppm), PP333 (25 and 50 ppm) sprayed at 30 days and 60 days after transplanting, pinching and control (water spray). The results revealed that CCC 1000 ppm was found most effective for obtaining maximum plant spread (50.92 cm²), more number of branches (53.84), higher yield (7.42 t/ha) and shelf life (37.82 hrs) of gaillardia. MH 100ppm was found for retarding plant height (58.50 cm).

Key words : Growth retardant, Pinching, Gaillardia, Yield