

## EFFECT OF BRASSINOLIDE AND MAGNETIZED WATER ON GROWTH AND FLOWERING OF *Antirrhinum majus* L. cv. Snapshot mix

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The effect of spraying Brassinolide at 0, 0.025, 0.05 and 0.1 mg/l and irrigated with regular or magnetized water with different magnetic field intensities 500, 1000 and 1500 gauss on growth and flowering of *Antirrhinum majus* L. cv. Snapshot mix was studied from 1/10/2009 to 15/10/2010. Results could be summarized as follows:

Foliar sprays of BL at 0.05 mg/l significantly increased plant height 14.79 cm, number of leaves/plant 42.2, number of branches/plant 46.69, leaf area 247.0 cm<sup>2</sup>, vegetative dry weight 27.43 g, number of inflorescences/plant 24.07, inflorescence length 0.12 cm, inflorescence diameter 4.10 cm, number of florets/plant 8.70 and inflorescence dry weight 1.69 g. The concentration 0.025 mg/l was the most influential in increasing content of chlorophyll in leaves 49.37 SPAD. While the high concentration 0.1 mg/l reduce plant height 13.49 cm, chlorophyll content 46.21 SPAD and duration of flowering 18.50 day.

Significant increases were achieved when plants were irrigated with magnetized water. Most growth and flowering parameters were enhanced except flowering date. Magnetizing water with 500 gauss was superior on increasing plant height 16.89 cm, number of leaves/plant 40.62, number of branches/plant 40.14, leaf area 270.8 cm<sup>2</sup>, content of chlorophyll in leaves 51.21 SPAD, vegetative dry weight 33.02 g, number of inflorescences/plant 32.61, inflorescence length 0.89 cm, inflorescence diameter 4.48 cm, number of florets/plant 11.42, duration of flowering 21.44 day and inflorescence dry weight 12.02 g.