



EFFECT OF BENZYLADENINE AND PACLOBUTRAZOL ON GROWTH AND FLOWERING OF TULIP (*TULIPA* SPP.)

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Abstract : A study was conducted in the Lath House, Department of Horticulture and Landscape, College of Agriculture, Kirkuk University, Shourao, Iraq from October / 2015 to May / 2016 to study the effect of Foliar application Benzyladenine (BA) two concentrations (0, 50 mg.L⁻¹) and Paclobutrazol (PBZ) two concentrations (0, 30 mg.L⁻¹), on growth and flowering of tulip plants. The results showed Benzyladenine treatment caused increasing plant height (19.20cm), Leaf area (301cm²), nitrogen content (3.87%), flower and flower stalk diameter (7.67, 0.71 cm) respectively and length of flower stalk (11.15 cm). Paclobutrazol treatment caused increasing leaves area (310 cm²), flower and flower stalk diameter (7.84, 0.77 cm), respectively. Interaction between foliar application Benzyladenine concentration 50 mg.L⁻¹ and paclobutrazol concentration 30 mg.L⁻¹ gave highest, leaf area 326 cm² and flower stalk diameter 0.83cm.

Key words : Tulip, Adrenaline, Paclobutrazol, Randomized complete block design (RCBD).