EFFECT OF MEDIA AND UREA ON GROWTH FLOWERING OF
PELARGONIUM ZONAL, L. RED AND ROSE CVS.

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ABSTRACT

A study was conducted on P. zonal cvs. Red and Rose testing mixture or loam + sand alone or mixed with either foam, dry chips of Eichhornia crassipes (Mort.) solm-Laub. (water haycinth), shredded fibrous date palm leaves sheath, peanut hulls, peat moss or sawdust and foliar application of urea at rates of 0.0, 0.5 or 1.0% . It was noticed that medium contained 1 sand + 1 loam + 1 dry chips of E. crassipes produced the best growth (plant height, number of branches and dry weight of leaves/plant) and flowering characters (inflorescences stalk length, number of inflorescences/plant and number of florets/inflorescence) with correlated with high total carbohydrate content. This medium showed similar results to that obtained by the medium contained 1 sand + 1 loam + 1 peat moss (v/v). Hence, it is advisable to use E. crassipes to replace peat moss, since it is locally available at low cost. The high rate of urea application (1.0%) gave the best results of plants growth and flowering particularly with media contained E. crassipes or peat moss.