

Title Effect of different potting media on growth and flowering of *Dahlia coccinia* cv. Mignon
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Abstract

Dahlia coccinia is a beautiful, herbaceous plant and is highly valuable in the landscape. It is a very common winter annual flowering plant in Pakistan. Growing media plays a vital in the growth of plants by providing them nutrients, anchoring the plant and providing minerals. The present project focused, in particular, the flower quality, flower size and its germination to increase its aesthetic value in Pakistan by using different available media. Different media: coconut coir, compost, silt, leaf manure, manure mix (silt 1+sand 1+leaf manure 1), compost mix (compost 1+sand 1+silt 1), coconut coir mix (coconut coir 1+silt 1+sand 1), silt+normal. The trial was laid out in randomized complete block design giving equal significance to all treatment replicated thrice. The results relating growth parameters indicated that maximum values for height of plant, length of side branches, number of flowers, blooming period, size of flower and number of side branches were observed in T2 where leaf manure was used. Similarly Chemical analysis of potting media showed that pH was in required range for best growth of *Dahlia*. Nitrogen, Phosphorous and Potassium were best taken from leaf manure. Leaf manure proved superior growing medium for *Dahlia coccinia* plant than other media.