

## **Introducing new cultivars of pompon chrysanthemum**

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Chrysanthemums with a wide range of variation in shape and colour are one of the most consumer goods of out door plants and cut flowers after carnation. spray chrysanthemum with several small flowers are very beautiful and important in fall landscapes and flower pots.

There is a limited variation of pompons in IRAN (7-10 in colour) that are like standard cultivars and used as cut flower and those are propagated by cuttings and root suckers a lateral investigation was carried out during 1998-2000 in Mahallat ornamental plants research station and was out based on sexual propagation (seed) which is used by breeders for developing new cultivars 38 new form and colour of chrysanthemum were developed.

in most cultivars seed production is very low which is due to self incompatibility and insect pollination decrease during the chrysanthemum flowering. Therefore the seeds produced by artificial pollination and grown to reach desirable variation. In 1999 for selecting the superior varieties from seedling, mass different characteristics were compared. Characteristics such as height (lower height is desirable), flower density (higher densities are desirable), flower colour and size, flower longevity on plant and results of phenological and morphological studies for every genotype were recorded. Finally six new varieties, including Mahallat 1, Mahallat 2, Mahallat 3, Kiarash, Keyvan and Shafeii, were selected and will be introduced for diversity development in pompon chrysanthemum trade.