Improving and Evaluation Floral Collection for Landscape Design and Cut Flowers

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ABSTRACT

Nowadays, in Romania public green areas are a heavy change and increasing interest for improving and enrichment of ornamental plants collections in novelties is an essential requirement for development of competitive and commercial horticulture. Researching activities for diversification of floral plants assortment by introduction of new species and varieties is one of the most objectives of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Department of Ornamental Plants. As a result we are able to introduce new species or cultivars, which are not cultivated in our country until now, especially plants that are useful for landscape design or cut flowers for summer arrangements. The collection of USAMV Cluj-Napoca offers a rich diversity of ornamental plants for students, university personnel and the public. The collection is periodically evaluated concerning the main morphological characteristics: height plant, color of flowers, number of flower, blooming time, resistance to pests and diseases etc. This study it is aimed to estimate the potential value of application in Romania landscape of the most valuable ornamental plants under Romanian conditions. A new cultivars corresponding to the next species: *Impatiens walleriana*, *Tagetes patula*, *Zinnia elegans*, *Callistephus chinensis*, *Argyranthemum frutescens*, *Osteospermum ecklonis*, *Malope trifida*, *Lavatera trimestris*, *Dahlia variabilis*, *Arctotis grandis*, *Euphorbia marginata*, *Canna indica* etc. were considered. 10 plants were evaluated for each variety. Data obtained were statistical interpretation. The cultivars studied have a rich range of colors, are vigorous with great number of flowers, large decorative period, some blooming earliness, have good health, and so can be used as special cut flower or for landscape design.

REFERENCES