

Impact of pinching on certain spray type Chrysanthemum (*Dendranthema grandiflora*) varieties for the regulation of the plant height

J. Lakshmi, M .Kannan and C. Subesh Ranjith Kumar

Department Floriculture and landscaping, Horticultural College and Research Institute, Tamil Nadu Agricultural University, India

An experimental trail on “Impact of pinching on certain spray type Chrysanthemum (*Dendranthema grandiflora*) varieties for the regulation of the plant height.” was conducted at Tamil Nadu Agricultural University , Coimbatore. Eight commercial varieties of spray type chrysanthemum were pinched twice viz., a soft pinch followed by a hard pinch at an interval of 20 days. The commercial varieties were Bonfire Orange, Sunny Punch, Tequila, Punch, Terror, Cinderella, Rennilla and Bodego Red. The experimental design was Completely Randomized Block Design (CRD) with three replications. The cuttings were planted in 6 inches pot diameter with three cuttings per pot. Among the varieties “Terror” produced secondary laterals first which again terminated into flower buds ,Whereas the remaining varieties had produced flower buds at the node below the hard pinched end. The reduction in the plant height and induction of laterals through hard pinching which put forth new flower buds are the desirable characters for the spray type cultivars which further can be used as pot mums.

Biography

J.Lakshmi is pursuing her Master's Degree program at Tamil Nadu Agricultural University, Coimbatore. She is carrying out her research on Evaluation of Pot mum varieties suitable for tropical conditions. She has done her Bachelor of Honors in Horticulture from Rajendranagar, Hyderabad.As a part of the Hands on training , she has experience in Protected cultivation of Horticultural crops.

lakshmi.horticulture@gmail.com