

Cultivation of Anthurium in Polyhouse

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Abstract

Anthurium is a flowering plant species famous for its year round production of flower and attractive heart shaped inflorescence. The leaves are modified to spathe with numerous small flowers on a pencil like outgrowth (spadix) which increase its demand. The fast production of this species can be obtained by different methods like cutflower, flowering potted plants and landscape plants. The anthurium can be propagated by seeds but due to low viability of seeds and poor germination rate it is preferred to grow in controlled environment like in green houses and poly houses. In poly houses the management of temperature, climate and other cultural operations are easy to carry out in comparison to natural propagation. The frequent and prompt detection of pest and diseases can also be done. The polyhouse plants take less time to established and have a good health which improve their export and trade. Anthurium can be cultured both as a potted plant and as a cut flower but the while trading is considered the cut flowers is highly preferred than the potted plant.

Keywords: Anthurium, inflorescence, protected cultivation, crop management

1. Introduction

Protected cultivation is a technique of crop cultivation where the micro climate of the plant surrounding is controlled partially or fully as per requirement of plant growth. As the agricultural technologies are improving, the various new protected cultivation practices have been emerged and progressive farmers are growing high value flowers in polyhouses (Maitra *et al.* 2020). Anthurium is a perennial evergreen herbaceous, epiphytic plant belongs to family Araceae. The anthurium plant can be cultivated naturally by vegetative method, micro-propagation, and can be cultivated in controlled condition. But in terms of commercialization of the flower it is preferable