

## Nursery Raising for Vegetables and Flowers in Greenhouse

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### Abstract

India is having a great diversity of agro climatic zones suitable for different horticultural crops such as fruits, vegetables, ornamental plants, spices, plantation crops, medicinal and aromatic crops. After green revolution, India has made a tremendous progress in horticultural production and occupies good ranks in vegetables and floriculture production in the world but, the productivity is quite low due to poor planting materials, improper nursery management practices, climate change and traditional cultivation practices. To achieve higher productivity of major share contributing horticultural crops such as vegetables and floriculture sectors, it is very essential to produce healthy seeds and seedlings. Although India has varied agro climatic zones to produce quality and disease free seedlings, however, in off season, it is essential to raise seedlings in protected structure with controlled climate systems. The main purpose of raising seedlings in protected structure with hi-tech nursery management system is to produce higher yields with quality vegetables and floriculture crop production. Hi- tech nursery management practices include modern practices such as use of plug trays or pro trays, soil less substrate, mechanization and automation in irrigation and seed sowing in plug tray with different cells, water soluble nutrients, weed mats, seed priming and hardening in protected structure. Therefore, a brief discussion of modern nursery management practices under greenhouse for seedling production of vegetable and flowers crops is needed.

**Keywords:** Greenhouse, vegetables, flowers, nursery raising

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### 1. Introduction

Greenhouse is persisting for longer time as usable pre-fabricated structure which is covered with transparent polythene, glass and shade-net to grow the seedling of