

## Cultivation Technology of Tomato in Greenhouse

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### Abstract

India is the fifth largest producer of tomato accounting for 6.0% of the world production. It is considered as world's largest vegetable crop after potato and sweet potato. Among all the vegetable crops, tomato is the first crop that was grown in greenhouse. It is relatively easy to grow compared to other vegetables like pepper and cucumbers and also the fruit yield is very much high under protected cultivation. The major growing states are Odisha, Andhra Pradesh and Karnataka. Tomato (*Lycopersicon esculentum*) considered as "poor man's orange" and universally treated as "Protective Foods". There are two types of tomato determinate or bush tomato and indeterminate or vine tomato. For the sake of greenhouse systems mostly indeterminate type are used for maximizing crop productivity and increasing the quality of vegetables produce. They produce flowers and fruits continuously along the main stem as they grow.

**Keywords:** Tomato, protected cultivation, fertigation, nursery management and harvest.

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### 1. Introduction

Tomato belongs to Mexican and Peruvian region. It is a herbaceous plant that grows to a height of 1-3 m with a weak woody stem. It is universally treated as 'Protected Food'. It is rich in vitamin C-31 mg/100g. The flowers are yellow in colour and the fruits cultivated varieties vary in size from cherry tomatoes about 1-2 cm in size to beefsteak tomatoes, about 10cm or more in diameter. There are 700 varieties of tomatoes cultivated throughout the world. It is considered as important commercial and dietary vegetable crop, as it is a short duration crop and gives high yield, it is important from economic point of view and hence area under its cultivation is increasing day by day.