

## Capsicum (Bell Pepper)

Capsicum thrives in polyhouse conditions. Grow colored bell peppers with controlled climate for premium quality and higher market price.



### ABOUT

#### High-Value Colored Capsicum with Agrifirst Climate Control

Colored capsicum (red, yellow, orange bell peppers) is among the highest-earning polyhouse crops in India. Agrifirst's Fan & Pad polyhouse creates the perfect microclimate for capsicum, enabling farmers to earn ₹20–35 lakhs per acre annually.

### DESCRIPTION

**Capsicum (Bell Pepper)** is the gold standard of polyhouse farming in India. Red, yellow, and orange colored capsicums fetch premium prices of ₹80–200/kg in domestic markets and even higher in export channels. Open-field cultivation of colored capsicum is nearly impossible in most Indian climates, making polyhouse the only viable option — and Agrifirst's solutions make it profitable.

#### Why Grow Capsicum in Agrifirst Polyhouse?

- **Exclusive polyhouse crop** — Colored capsicums require 18–27°C with controlled humidity, achievable only under protected cultivation
- **Premium market price** — ₹80–200/kg for colored varieties vs ₹20–40/kg for green capsicum
- **Long harvest period** — Plants produce for 7–9 months continuously in polyhouse conditions
- **Export quality** — Agrifirst polyhouse produces export-grade capsicum meeting international quality standards
- **High yield** — 60–80 tonnes/acre in polyhouse vs 15–20 tonnes in open field

#### Ideal Growing Conditions

Capsicum thrives at 18–27°C day temperature and 16–18°C night temperature with 60–70% relative humidity. Agrifirst's Fan & Pad cooling and automated climate control systems maintain these precise conditions year-round.

#### How Agrifirst Helps You Succeed

Agrifirst provides specialized polyhouse designs optimized for capsicum — featuring proper gutter height (5.5–6m) for trellising, integrated climate sensors for temperature and humidity management, automated fertigation systems for precise nutrient delivery, and expert agronomic guidance from planting to harvest. Our automation solutions ensure your capsicum receives exactly the right environment for maximum color development and yield.

**Expected earnings:** ₹20–35 lakhs per acre annually with Agrifirst polyhouse capsicum cultivation.

### GALLERY

