

# **Production Technology of Greenhouse Vegetable Crops - Supervisor Level I (IHT-212)**

## **DURATION - 1 MONTH**

**Introduction:** Importance, Scope and Advantages of Protected Cultivation and Challenges Farmers Are Facing in India

### **Seed Sources**

Quality Seed Sources

Varietal Selection

### **Plug Nursery Production**

Definition

Types of Media

Method of Media Preparation

Plug Tray

Sterilization of Trays and Media

Seed Treatments, Sowing, Early Care, Hardening, Identification of Good Quality Seedlings.

### **Greenhouse Technology**

Importance

Scope and Advantages of Polyhouses

Site Selection and Orientation of Polyhouses

Types and Designs- Based on Shapes

Utility and Cladding

Climate Control - Through Control of Light, Temperature, Relative Humidity and Carbon Dioxide

Government Policies

Procedure of Approach for Subsidy

Selection of Gh According to Agro-climatic Condition

### **Nutrition and Irrigation System**

Micro Irrigation and Fertigation System

Application in Operation and Maintenance

### **Production Technology**

Optimum Requirement of Light, Humidity, Temperature, Day Length etc.

Soil Management

Layout and Preparation of Planting Bed

Selection of Manures and Fertilizers For Basal Application

Layout of Drip Channels and Mulching

Transplanting, Irrigation and Fertigation

Optimum Requirement of Light, Humidity, Temperature, Day Length etc.

Training, Pruning and Trellising Techniques

Application of Fertilizers

### **Plant Protection**

Identification of Disease and Pests

Disease and Pest Management

**Post-harvest Management**

Maturity Indices and Identification

Techniques of Harvesting

Yield

Pre-cooling and Grading

Packaging and Transportation