

Drip and Fertigation Technology (IHT-405)

DURATION - 5 DAYS

Introduction

Present Scenario

Importance

Need and Scope of Drip and Fertigation Technology

Principles and Advantages

Drip Technology and Fertigation

Irrigation Water

Quality of Irrigation Water

Calculation of Daily Water Requirement and Size of the Reservoir

Components of Drip and Fertigation Technology

Water Source

Pumping Unit

Valves

Filters

Fertigation Unit

Distribution Unit

Drippers/Emitters

PC and Non-PC Drippers

Designs of Drip Irrigation System

Layout and Design

Surface and Subsurface Drip Irrigation System

On-line and in-line System

Fertigation

Fertilizers for Fertigation

Quality and Choice of Fertilizer

Mixing and Preparation of Fertilizer Solution

Fertigation Equipment

Adjustment of pH and EC

Specific Recommendations

Layout of Drip System for Different Polyhouse Crops

Layout of Drip System for Different Open Cultivated Crops

Effect of Climate on Drip Irrigation

Effect of Soil Texture on Drip Irrigation

Drip Layout for Undulated Lands

Automation in Fertigation and Irrigation Technology
Computer Applications in Managing Fertigation System