

Commercial Hydroponics (IHT-504)

DURATION - 3 DAYS

How to Start Hydroponics

What is Hydroponics?

History of Hydroponics

Hydroponic vs Soil

Advantages of Hydroponic

What can be grown in Hydroponics?

Planting Seeds and Germination Characteristics

Possibilities of Growing Varieties

Day to Day Maintenance of a Hydroponic Greenhouse

Supplies & Tools Required in Hydroponic Growing

Growing Media

Growing Media

Channel Width and Length

Types of Media

Vermiculite, Sand, Perlite, Expanded Plastics, Expanded Clay

Transplanting into a Hydroponic System

Hydroponic Plant Nutrient Solutions

Common Nutrient Ranges in Hydroponic Nutrient Solutions

The Role of pH in Plant Growth

The Role of EC in Plant Growth

Temperature

Water Quality

Light

Nutrient Film Technique (NFT)

Elements of Hydroponic Systems

Nutrient Film Technique (NFT)

Nutrient Film Technique (NFT) – Water Delivery System

Cooling, Heating and Aeration

Screen or Disk Filters

Nutrient Film Technique (NFT) – Fertilizer Delivery System

Nutrient Film Technique - Media Options

Hydroponic Vegetable Production- Lettuce