



# Nutrient Film Technique Hydroponics

Explore Agriplast's Nutrient Film Technique (NFT) Hydroponics—ideal for leafy greens. Maximize nutrient uptake, reduce water use, and scale effortlessly for commercial farming with precision and control.







### NFT Hydroponics System for continuous growth

Agriplast's NFT Hydroponics ensures continuous nutrient flow, oxygenation, and minimal waste—ideal for scalable, commercial farming with superior root health and faster crop growth.

The **Nutrient Film Technique (NFT)** by Agriplast is a highly efficient, scalable hydroponic system designed for commercial crop production. NFT systems suspend plants in specially designed channels where the roots are exposed to a **shallow stream of nutrient-rich water** that constantly flows past them.

The **channels are slightly tilted**, allowing the nutrient solution to flow gently downward into a reservoir. From there, the solution is recirculated back to the top using a low-power pump, ensuring efficient and sustainable nutrient delivery.

#### Key Benefits of Agriplast's NFT System

- Efficient Nutrient Use: The continuous flow maximizes nutrient absorption while significantly reducing waste and runoff, making it eco-friendly and cost-effective.
- Enhanced Oxygenation: The constant thin film of water delivers nutrients while leaving parts of the roots exposed to air, ensuring they receive sufficient oxygen for optimal growth.
- Scalability & Modularity: This system is perfect for commercial growers as it can be expanded easily by adding more channels or modules to increase production.
- Low Water Consumption: Closed-loop circulation minimizes water usage, helping you grow more with less—ideal for regions with limited water resources.
- Clean & Controlled Environment: NFT eliminates the need for soil, reducing risks
  of pests and diseases and allowing year-round cultivation under controlled
  conditions.

Perfect for leafy greens like lettuce, spinach, basil, and herbs, Agriplast's NFT system is engineered with **high-quality food-grade materials** and supports **custom configurations** to suit your space and crop requirements.

## 5x more

Continuous nutrient flow for faster growth and higher yields

## Design

Modular design allows easy scalability for commercial farms

80% Savings

Eco-friendly with low water and nutrient wastage through closed-loop circulation