



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

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