



ALL ABOUT HYDROPONICS

What is Hydroponics?

Hydroponics is the **process of growing plants in water instead of soil**. The water is mixed with nutrients to provide plants with everything they need to grow!



"Hydro"= Water
"Ponics"=Working
"Working Water"

Hydroponic Systems

The **most common type** of hydroponic system is the Nutrient Film Technique (NFT). Plants are grown in a tray as a **continuous flow of nutrient-rich solution** passes over their roots.

Other Types:

- Air-gap
- Raft
- Ebb and Flow
- Top Feeder
- Wick
- Aeroponics

Benefits of Hydroponic Farming

Hydroponics conserves water by capturing and recycling it through the system

Farmers can grow more food in smaller areas, dedicating less landmass to growing crops

Can be used in locations where quality soil is not available

Best Crops to Grow Hydroponically



strawberries



tomatoes



peppers



leaf lettuce



celery



cucumbers

Did you Know?

Hydroponic techniques have been **used for thousands of years!** The Hanging Gardens of Babylon, one of the Seven Wonders of the Ancient World, used a hydroponic system to grow plants with water from the Euphrates River.

