

Global Hydroponics Market: Size, Trend, Share, Opportunity Analysis & Forecast, 2014–2025

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Abstracts

A sub-segment of hydro-culture, hydroponics is a method to grow plants using mineral nutrient solutions, in water, without soil. It uses two main mediums to grow crops—solution culture and solid medium culture. This method of farming is a niche segment that gains popularity in urban, customized agriculture setup. It is termed as one of the fastest-growing soil-less farming practice at a global level, wherein, a tailored nutrient solution is used for plant growth with a superior quality and sustainable manner. Global hydroponics market is expected to grow at a CAGR of 16.9% from 2017 to 2025.

Based on equipment, the market is divided into HVAC, LED grow light, communication technology, irrigation systems, material handling, control systems, and others. Based on type, it is classified into aggregate hydroponic systems which sub divided into closed and open systems, liquid hydroponic systems which is sub divided into nutrient film technique, floating hydroponics, and aeroponic. Based on crop type, it is categorized into tomato, lettuce & leafy greens, cucumber, pepper, strawberry, and others. Geographically, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Higher yield derived from hydroponics as compared to traditional agricultural techniques.

Increase in need for global food security.

Restraints:

Lack of awareness regarding the soil-less agriculture system.

High initial cost.

MARKET PLAYERS:

The top players in the global hydroponics market include Koninklijke Philips NV, Argus Control Systems Ltd., Heliospectra AB, Logiqs B.V., Lumigrow, Inc., General Hydroponics, Inc., American Hydroponics, Inc., Greentech Agro, LLC, Hydrodynamics International, Inc., and Hydrofarm, Inc.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Equipment

HVAC

LED Grow Light

Communication Technology

Irrigation Systems

Material Handling

Control Systems

Others

By Type

Aggregate Hydroponic Systems

Closed Systems

Open Systems

Liquid Hydroponic Systems

Nutrient Film Technique

Floating Hydroponics

Aeroponic

By Crop Type

Tomato

Lettuce & Leafy Greens

Cucumber

Pepper

Strawberry

Others

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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