

# Global Soilless Substrate Specific Nutrient Solution Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Soilless Substrate Specific Nutrient Solution market size is expected to reach \$ 7069 million by 2032, rising at a market growth of 13.3% CAGR during the forecast period (2026-2032).

Soilless Substrate Specific Nutrient Solution refers to highly soluble mineral formulations engineered to supply essential plant nutrients exclusively via irrigation water in soilless cultivation systems, formulas are tailored to interact with the chemical and physical properties of specific media. In 2025, global soilless substrate specific nutrient solution production reached approximately 1,188K ton, with an average global market price of around USD 2,400 per ton. A factory gross profit of USD 768 per ton with 32% gross margin. A single line full machine capacity production is around 8K ton per line per year. downstream demand is concentrated in greenhouse, hydroponic and horticulture. A commercial greenhouse using rockwool substrate and nutrition can improve yield and increase water recycling rate. While China leads the market driven by major force of large scale plant factories and vertical farming, India is growing rapidly due to government support for modern, sustainable agriculture. Canada has a strong greenhouse industry, particularly for vegetable production.

This report studies the global Soilless Substrate Specific Nutrient Solution production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Soilless Substrate Specific Nutrient Solution and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Soilless Substrate Specific Nutrient Solution that contribute to its increasing demand across

many markets.

Highlights and key features of the study

Global Soilless Substrate Specific Nutrient Solution total production and demand, 2021-2032, (Tons)

Global Soilless Substrate Specific Nutrient Solution total production value, 2021-2032, (USD Million)

Global Soilless Substrate Specific Nutrient Solution production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Soilless Substrate Specific Nutrient Solution consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Soilless Substrate Specific Nutrient Solution domestic production, consumption, key domestic manufacturers and share

Global Soilless Substrate Specific Nutrient Solution production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Soilless Substrate Specific Nutrient Solution production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Soilless Substrate Specific Nutrient Solution production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Soilless Substrate Specific Nutrient Solution market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Yara International (Norway), Nutrien (Canada), ICL Group (Israel), Haifa Group (Israel), EuroChem (Switzerland), K+S AG (Germany), Scotts Miracle-Gro (US), Hydrofarm Holdings (US), CANNA (Netherlands), Advanced Nutrients (Canada), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Soilless Substrate Specific Nutrient Solution market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by

manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Soilless Substrate Specific Nutrient Solution Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Soilless Substrate Specific Nutrient Solution Market, Segmentation by Type:

Coco Coir Optimized

Rockwool Specific

Perlite

Peat Moss Mixes

Others

#### Global Soilless Substrate Specific Nutrient Solution Market, Segmentation by Systems:

Drip Irrigation (Open System)

NFT (Nutrient Film Technique)

Deep Water Culture (DWC)

Aeroponics

Others

Global Soilless Substrate Specific Nutrient Solution Market, Segmentation by pH Range:

Strongly Acidic (5.0 - 5.5)

Optimal Hydroponic Range (5.5-6.0)

Mildly Acidic (6.0-6.5)

Neutral Range (6.5-7.0)

Others

Global Soilless Substrate Specific Nutrient Solution Market, Segmentation by Application:

Hydroponic

Greenhouse Vegetables

Forticulture

Others

Companies Profiled:

Yara International (Norway)

Nutrien (Canada)

ICL Group (Israel)

Haifa Group (Israel)

EuroChem (Switzerland)

K+S AG (Germany)

Scotts Miracle-Gro (US)

Hydrofarm Holdings (US)

CANNA (Netherlands)

Advanced Nutrients (Canada)

General Hydroponics (US)

Valagro (Italy)

Biobizz (Netherlands)

Aptus Plant Tech (Netherlands)

Plant-Prod (Canada)

FoxFarm (US)

Atami (Netherlands)

Hesi (Netherlands)

Nutrifield (Australia)

Qingdao Sonef (China)

Shanghai Wanye (China)

Sichuan Shihua (China)

Hangzhou Lingrui (China)

Coromandel (India)

Key Questions Answered:

1. How big is the global Soilless Substrate Specific Nutrient Solution market?
2. What is the demand of the global Soilless Substrate Specific Nutrient Solution market?
3. What is the year over year growth of the global Soilless Substrate Specific Nutrient Solution market?
4. What is the production and production value of the global Soilless Substrate Specific Nutrient Solution market?
5. Who are the key producers in the global Soilless Substrate Specific Nutrient Solution market?
6. What are the growth factors driving the market demand?

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Figure 75. Soilless Substrate Specific Nutrient Solution Sales Channels, Direct Sales, and Distribution

Figure 76. Methodology

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