

Agritecture Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Integration (Indoor and Outdoor), By Structure (Retrofitting, Extension, New Building), By Application (Commercial and Residential), By Region and Competition, 2020-2030F

Market Report | 2025-11-24 | 185 pages | TechSci Research

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Report description:

Market Overview

The Global Agritecture Market, valued at USD 4806.37 Million in 2024, is projected to experience a CAGR of 9.80% to reach USD 8422.31 Million by 2030. Agritecture encompasses the integration of agriculture within the built environment, leveraging innovative growing systems in urban and indoor settings to address modern food production requirements. Main drivers for the global agritecture market's expansion include increasing urbanization, heightened food security concerns, and the growing consumer demand for fresh, locally sourced produce. These factors collectively promote sustainable food systems and optimize land use in densely populated areas.

Key Market Drivers

The continuous growth of global urban populations fundamentally drives the agritecture market. As a majority of the world's inhabitants increasingly reside in cities, the demand for fresh, locally grown produce escalates, while available agricultural land within or near these densely populated areas diminishes. This demographic shift necessitates innovative food production methods that optimize space and minimize transportation, which agritecture solutions are uniquely designed to provide. According to the United Nations, in November 2022, the world population reached 8 billion, with over 55 percent residing in urban areas, a figure projected to increase to 70 percent by 2050. This trend underscores agritecture's role in meeting evolving urban food requirements.

Key Market Challenges

A significant challenge impeding the growth of the Global Agritecture Market is the substantial initial capital expenditure required for establishing agritecture solutions. Implementing specialized infrastructure, advanced technology, and comprehensive climate

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control systems in urban and indoor settings necessitates considerable upfront investment. This financial burden acts as a significant barrier to entry, particularly for smaller businesses and new entrepreneurs, thereby limiting the diversity and number of participants in the market.

Key Market Trends

The enhanced integration of AI and automation in CEA systems is revolutionizing operational efficiency and precision in agriculture. These technologies enable sophisticated monitoring, real-time adjustments, and automated processes for climate control, nutrient delivery, and harvesting, thereby maximizing yield and minimizing resource consumption. For instance, in August 2023, Rockwell Automation announced a partnership with Fork Farms to develop a highly automated, 7,300-square-foot hydroponic vertical farm, slated for completion by summer 2024, demonstrating industry commitment to advanced automation in urban cultivation. This technological embrace extends beyond individual farms, as the broader agri-tech sector continues to witness substantial investment in intelligent solutions that drive productivity and consistency in crop production.

Key Market Players

- Agritecture Consulting LLC
- AeroFarms, LLC
- Obyashi Corporation
- Freight Farms, Inc.
- GP Solutions, Inc.
- LettUs Grow Ltd.
- FarmBox Foods
- Crop One Holdings, Inc.
- BRIO Hydroponics
- Sky Greens

Report Scope:

In this report, the Global Agritecture Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Agritecture Market, By Integration:
 - o Indoor
 - o Outdoor
- Agritecture Market, By Structure:
 - o Retrofitting
 - o Extension
 - o New Building
- Agritecture Market, By Application:
 - o Commercial
 - o Residential
- Agritecture Market, By Region:
 - o North America
 - United States
 - Canada
 - Mexico
 - o Europe
 - France
 - United Kingdom
 - Italy
 - Germany
 - Spain
 - o Asia Pacific

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- China
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- Australia
- South Korea
- o South America
- Brazil
- Argentina
- Colombia
- o Middle East & Africa
- South Africa
- Saudi Arabia
- UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Agritecture Market.

Available Customizations:

Global Agritecture Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

-□Detailed analysis and profiling of additional market players (up to five).

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