

Mexico Vertical Farming Market Size, Share, Trends and Forecast by Component, Structure, Growth Mechanism, Application and Region, 2026-2034

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Abstracts

The Mexico vertical farming market size reached USD 123.0 Million in 2025 . Looking forward, IMARC Group expects the market to reach USD 614.5 Million by 2034 , exhibiting a growth rate (CAGR) of 19.57 % during 2026-2034 . The vertical farming market in Mexico is fueled by urban growth, water scarcity, and a rising demand for fresh, locally sourced food. Different technological developments, governmental programs, sustainability issues, and increasing food prices also play a role in the expansion of this pioneering agricultural industry.

MEXICO VERTICAL FARMING MARKET TRENDS:

Growing Investment in Vertical Farming Technology

The increase in the use of vertical farming technology in Mexico is largely rooted in its contribution toward solutions to food security and sustainability challenges. According to research, by the year 2050, Mexico's population will likely 150 million, out of which 80% will likely live in urban centers. This growing population will hence need increased food production in the country. Therefore, there has been a rise in investments for the development of and vertical farming systems in Mexico. The use of vertically stacked layers in these systems, helps in maximizing space and water use, which in turn makes it more suitable for urban areas with limited land expanse. An added layer to the move toward sustainable agriculture is the increasing consumer demand for fresh, locally grown produce, coupled with the need to cut down on food transportation costs. One trend that has lately emerged as important in Mexico's vertical farming industry is greater adoption of hydroponic and aeroponic technologies. Hydroponics enables plants to develop in water infused with nutrients, whereas aeroponics cultivates plants with

roots hanging in air and sprayed with nutrients. Both alleviate pressure on land and decrease water usage, a crucial aspect given the water shortage in certain areas of Mexico. Companies like Magic Sun have hence launched several products like hydroponic greenhouse grown tomatoes, owing to exceptional growth results. There is an increasing trend in investing in smart farming technologies, which encompass sensors, data analytics, and automation that enhance crop yields by tracking environmental factors such as temperature, humidity, and light to ensure optimal growth conditions. Recently, the Mexican Space Agency (AEM) has collaborated with the Universidad Aut?noma del Estado de M?xico (UAEMEX) to launch a pilot program which aims to harness satellite technology to alleviate agricultural productivity through precision agriculture techniques.

Government Support for Sustainable Agriculture Initiatives

The Mexican government has started to acknowledge the importance of sustainable farming methods, such as vertical agriculture, and is therefore providing various support for the sector's development. The nation's agricultural policy includes the introduction of government initiatives that encourage eco-friendly and technologically advanced farming practices. Vertical farming offers numerous benefits to the country by minimizing environmental impact while maximizing resource efficiency. Government programs actively promote innovation in agriculture, especially in urban environments where traditional farming is limited by space constraints. In 2023, the Mexican Ministry of Agriculture and Rural Development initiated several programs aimed at assisting farmers in shifting towards more sustainable agricultural practices. Initiatives like providing subsidies and grants for the implementation of vertical farming systems and technology, along with offering farmers technical support to aid in the transition to new practices, are being introduced. In addition, both domestic and international organizations are supporting Mexico's vertical farming industry. Global development agencies and private firms join forces with local authorities to carry out pilot initiatives, educational programs, and collaboration opportunities to enhance the expansion of vertical farming. Recently, the Government of Mexico, along with other ministries, has launched a new program aimed at adding value to labor in the countryside and to ensure prevention of deforestation, while promoting responsible and sustainable use of natural resources. These initiatives are not only advancing the technology but also helping to educate the local workforce, ensuring that vertical farming can become a sustainable and profitable industry in Mexico.

MEXICO VERTICAL FARMING MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country level for 2026-2034. Our report has categorized the market based on component, structure, growth mechanism, and application.

Component Insights:

- Irrigation Component

- Lighting

- Sensors

- Climate Control

- Building Material

- Glass Greenhouse

- Plastic Greenhouse

- Others

The report has provided a detailed breakup and analysis of the market based on the agriculture type. This includes irrigation component, lighting, sensors, climate control, building material (glass greenhouse and plastic greenhouse) and others.

Structure Insights:

- Building-based Vertical Farms

- Container-based Vertical Farms

A detailed breakup and analysis of the market based on the offering have also been provided in the report. This includes building-based vertical farms and container-based vertical farms.

Growth Mechanism Insights:

Hydroponics

Aeroponics

Aquaponics

The report has provided a detailed breakup and analysis of the market based on the farm size. This includes hydroponics, aeroponics and aquaponics.

Application Insights:

Indoor

Outdoor

A detailed breakup and analysis of the market based on the offering have also been provided in the report. This includes indoor and outdoor.

Regional Insights:

Northern Mexico

Central Mexico

Southern Mexico

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Northern Mexico, Central Mexico, Southern Mexico and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation

quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the Mexico vertical farming market performed so far and how will it perform in the coming years?

What is the breakup of the Mexico vertical farming market on the basis of component?

What is the breakup of the Mexico vertical farming market on the basis of structure?

What are the various stages in the value chain of the Mexico vertical farming market?

What are the key driving factors and challenges in the Mexico vertical farming market?

What is the structure of the Mexico vertical farming market and who are the key players?

What is the degree of competition in the Mexico vertical farming market?

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