

Peri-Urban Agriculture Market Forecasts to 2034 – Global Analysis By Production System (Open Field Farming, Greenhouse Farming, Vertical Farming Systems, Hydroponics & Aquaponics Systems Combined, Rooftop & Container Farming and Other Production Systems), Farming Model, Technology, Crop Type, Distribution Channel and Geography

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Abstracts

According to Statistics MRC, the Global Peri-Urban Agriculture Market is accounted for \$8.5 billion in 2026 and is expected to reach \$21.0 billion by 2034 growing at a CAGR of 11.9% during the forecast period. Peri-urban agriculture refers to farming activities carried out in areas surrounding cities and urban centers, bridging rural and urban food systems. It includes the cultivation of crops, horticulture, livestock rearing, and small-scale aquaculture to supply fresh produce to nearby urban markets. This form of agriculture benefits from reduced transportation costs, fresher food supply, and improved market access for farmers. It also supports waste recycling, land-use efficiency, and urban food security. Increasing urbanization and demand for locally sourced food are driving the expansion of peri-urban agricultural systems globally.

Market Dynamics:

Driver:

Rising urban food demand

Rising urban population density is significantly increasing demand for fresh food production near city outskirts. Consumers in metropolitan regions are increasingly

relying on nearby agricultural zones for perishable food supplies. This shift is encouraging expansion of farming activities in peri-urban areas. Growing consumption of fresh fruits and vegetables is further supporting localized cultivation. Food security concerns in urban regions are also strengthening demand. Retail networks are prioritizing nearby sourcing to reduce delivery time.

Restraint:

Urban pollution contamination risks

Exposure to urban pollution remains a key restraint for peri-urban agriculture development. Airborne pollutants, wastewater contamination, and soil degradation can negatively impact crop quality. Proximity to industrial and transportation zones increases environmental risks. Contaminated irrigation sources may affect crop safety and yield consistency. Farmers often face challenges in maintaining clean cultivation environments. Regulatory concerns regarding food safety further limit expansion.

Opportunity:

Localized fresh food supply

Urban consumers and retailers are prioritizing short supply chains to ensure freshness and reduce logistics costs. This is driving localized fresh food supply as agricultural producers expand cultivation near urban consumption centers, strengthen direct-to-market distribution channels, and integrate efficient cold storage and transport systems to meet rising demand for fresh produce in metropolitan regions globally. Municipal support for urban farming is further strengthening growth. Improved distribution infrastructure enhances market potential.

Threat:

Rapid urban infrastructure expansion

Growing construction activities for housing, commercial spaces, and transport networks reduce cultivable land near cities. Conversion of agricultural zones into urban developments limits farming expansion. Rising land prices further discourage agricultural use of peri-urban areas. Competition for land resources intensifies operational constraints for farmers. Long-term sustainability of farming zones is increasingly challenged.

Covid-19 Impact:

The COVID-19 pandemic increased awareness of local food supply resilience and reduced dependence on long-distance agricultural logistics. Disruptions in supply chains highlighted the importance of nearby food production systems. Demand for fresh and locally sourced food increased significantly during lockdown periods. Governments and municipalities promoted urban and peri-urban farming initiatives. Post-pandemic recovery strengthened investment in local agriculture infrastructure. Consumer preference for fresh and safe food further increased. Overall, the pandemic positively influenced market growth.

The open field farming segment is expected to be the largest during the forecast period

The open field farming segment is expected to account for the largest market share during the forecast period as lower infrastructure requirements and suitability for large-scale vegetable and fruit production in peri-urban regions. Farmers prefer open field systems for their cost efficiency and operational simplicity. Availability of larger land parcels near urban outskirts supports adoption. Traditional farming practices continue to dominate production structures. Lower investment requirements further strengthen segment leadership. These factors ensure sustained dominance.

The online grocery platforms segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the online grocery platforms segment is predicted to witness the highest growth rate due to rising consumer preference for doorstep delivery of fresh produce in urban and peri-urban regions globally. This is driving online grocery platforms segment growth as farmers and distributors increasingly integrate digital marketplaces, direct-to-consumer sales channels, and e-commerce supply systems to improve accessibility and reduce distribution inefficiencies across metropolitan food supply networks. Rapid urban digital adoption is further accelerating demand.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share owing to strong agricultural activity in peri-urban zones across countries such as India, China, Indonesia, and Vietnam. The region has extensive demand for fresh food near urban centers. Government support for urban agriculture further strengthens

development. Availability of large peri-urban farming belts supports production. Rising food consumption drives market expansion.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR driven by increasing adoption of sustainable urban food systems and strong investment in modern peri-urban farming technologies across the United States and Canada. Consumers are increasingly preferring fresh and traceable food products. Advanced logistics infrastructure supports efficient distribution. Growing urban agriculture initiatives further accelerate adoption. Strong technological integration enhances productivity.

Key players in the market

Some of the key players in Peri-Urban Agriculture Market include Gotham Greens, BrightFarms Inc., Lufa Farms, Plenty Unlimited Inc., AeroFarms, Infarm GmbH, Freight Farms Inc., Square Roots, Bowery Farming, Eden Green Technology, Kalera Inc., Sky Greens, UrbanKisaan, Farmizen and GoodLeaf Farms.

Key Developments:

In May 2025, Lufa Farms Inc. and Walmart Canada finalized a strategic retail partnership to sell locally grown, synthetic-pesticide-free produce directly sourced from Lufa's urban greenhouses across selected store locations in Montreal. This commercial collaboration aligns with Walmart's broader sustainability goals while expanding Lufa's market footprint beyond its traditional subscription basket network into mainstream retail storefronts.

In January 2025, Plenty Unlimited Inc. officially launched its co-branded "Driscoll's Only Sweet Strawberries" into select Walmart stores across the Mid-Atlantic region, signaling a major product milestone despite ongoing corporate restructuring. This premium product launch utilizes specialized genetics optimized for indoor vertical grow rooms to deliver exceptional fruit quality and consistent, year-round flavor to East Coast retail shelves.

Production Systems Covered:

Open Field Farming

Greenhouse Farming

Vertical Farming Systems

Hydroponics & Aquaponics Systems Combined

Rooftop & Container Farming

Other Production Systems

Farming Models Covered:

Commercial Farming Operations

Cooperative Farming Models

Community Supported Agriculture (CSA) Models

Institutional Farming

Urban Household Farming

Other Farming Models

Technologies Covered:

Smart Irrigation Systems

IoT-Based Monitoring & Sensors

Automation & Robotics in Farming

Controlled Environment Agriculture (CEA) Technologies

Precision Farming & Data Analytics

Other Technologies

Crop Types Covered:

Fruits & Vegetables

Leafy Greens & Microgreens

Herbs & Medicinal Plants

Flowers & Ornamentals

Cereals & Grains

Other Crop Types

Distribution Channels Covered:

Direct-to-Consumer Sales

Farmers Markets

Retail & Supermarket Chains

Online Grocery Platforms

Food Service & Institutional Buyers

Other Distribution Channels

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL PERI-URBAN AGRICULTURE MARKET, BY PRODUCTION SYSTEM

- 5.1 Open Field Farming
- 5.2 Greenhouse Farming
- 5.3 Vertical Farming Systems
- 5.4 Hydroponics & Aquaponics Systems Combined
- 5.5 Rooftop & Container Farming
- 5.6 Other Production Systems

6 GLOBAL PERI-URBAN AGRICULTURE MARKET, BY FARMING MODEL

- 6.1 Commercial Farming Operations
- 6.2 Cooperative Farming Models
- 6.3 Community Supported Agriculture (CSA) Models
- 6.4 Institutional Farming
- 6.5 Urban Household Farming
- 6.6 Other Farming Models

7 GLOBAL PERI-URBAN AGRICULTURE MARKET, BY TECHNOLOGY

- 7.1 Smart Irrigation Systems
- 7.2 IoT-Based Monitoring & Sensors
- 7.3 Automation & Robotics in Farming
- 7.4 Controlled Environment Agriculture (CEA) Technologies
- 7.5 Precision Farming & Data Analytics
- 7.6 Other Technologies

8 GLOBAL PERI-URBAN AGRICULTURE MARKET, BY CROP TYPE

- 8.1 Fruits & Vegetables
- 8.2 Leafy Greens & Microgreens
- 8.3 Herbs & Medicinal Plants
- 8.4 Flowers & Ornamentals
- 8.5 Cereals & Grains
- 8.6 Other Crop Types

9 GLOBAL PERI-URBAN AGRICULTURE MARKET, BY DISTRIBUTION CHANNEL

- 9.1 Direct-to-Consumer Sales
- 9.2 Farmers Markets
- 9.3 Retail & Supermarket Chains
- 9.4 Online Grocery Platforms
- 9.5 Food Service & Institutional Buyers
- 9.6 Other Distribution Channels

10 GLOBAL PERI-URBAN AGRICULTURE MARKET, BY GEOGRAPHY

- 10.1 North America
 - 10.1.1 United States
 - 10.1.2 Canada
 - 10.1.3 Mexico
- 10.2 Europe
 - 10.2.1 United Kingdom
 - 10.2.2 Germany
 - 10.2.3 France
 - 10.2.4 Italy
 - 10.2.5 Spain
 - 10.2.6 Netherlands
 - 10.2.7 Belgium
 - 10.2.8 Sweden
 - 10.2.9 Switzerland
 - 10.2.10 Poland
 - 10.2.11 Rest of Europe
- 10.3 Asia Pacific
 - 10.3.1 China
 - 10.3.2 Japan
 - 10.3.3 India
 - 10.3.4 South Korea
 - 10.3.5 Australia
 - 10.3.6 Indonesia
 - 10.3.7 Thailand
 - 10.3.8 Malaysia
 - 10.3.9 Singapore
 - 10.3.10 Vietnam

- 10.3.11 Rest of Asia Pacific
- 10.4 South America
 - 10.4.1 Brazil
 - 10.4.2 Argentina
 - 10.4.3 Colombia
 - 10.4.4 Chile
 - 10.4.5 Peru
 - 10.4.6 Rest of South America
- 10.5 Rest of the World (RoW)
 - 10.5.1 Middle East
 - 10.5.1.1 Saudi Arabia
 - 10.5.1.2 United Arab Emirates
 - 10.5.1.3 Qatar
 - 10.5.1.4 Israel
 - 10.5.1.5 Rest of Middle East
 - 10.5.2 Africa
 - 10.5.2.1 South Africa
 - 10.5.2.2 Egypt
 - 10.5.2.3 Morocco
 - 10.5.2.4 Rest of Africa

11 STRATEGIC MARKET INTELLIGENCE

- 11.1 Industry Value Network and Supply Chain Assessment
- 11.2 White-Space and Opportunity Mapping
- 11.3 Product Evolution and Market Life Cycle Analysis
- 11.4 Channel, Distributor, and Go-to-Market Assessment

12 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 12.1 Mergers and Acquisitions
- 12.2 Partnerships, Alliances, and Joint Ventures
- 12.3 New Product Launches and Certifications
- 12.4 Capacity Expansion and Investments
- 12.5 Other Strategic Initiatives

13 COMPANY PROFILES

- 13.1 Gotham Greens

- 13.2 BrightFarms Inc.
- 13.3 Lufa Farms
- 13.4 Plenty Unlimited Inc.
- 13.5 AeroFarms
- 13.6 Infarm GmbH
- 13.7 Freight Farms Inc.
- 13.8 Square Roots
- 13.9 Bowery Farming
- 13.10 Eden Green Technology
- 13.11 Kalera Inc.
- 13.12 Sky Greens
- 13.13 UrbanKisaan
- 13.14 Farmizen
- 13.15 GoodLeaf Farms

List Of Tables

LIST OF TABLES

Table 1 Global Peri-Urban Agriculture Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Peri-Urban Agriculture Market, By Production System (2023–2034) (\$MN)

Table 3 Global Peri-Urban Agriculture Market, By Open Field Farming (2023–2034) (\$MN)

Table 4 Global Peri-Urban Agriculture Market, By Greenhouse Farming (2023–2034) (\$MN)

Table 5 Global Peri-Urban Agriculture Market, By Vertical Farming Systems (2023–2034) (\$MN)

Table 6 Global Peri-Urban Agriculture Market, By Hydroponics & Aquaponics Systems Combined (2023–2034) (\$MN)

Table 7 Global Peri-Urban Agriculture Market, By Rooftop & Container Farming (2023–2034) (\$MN)

Table 8 Global Peri-Urban Agriculture Market, By Other Production Systems (2023–2034) (\$MN)

Table 9 Global Peri-Urban Agriculture Market, By Farming Model (2023–2034) (\$MN)

Table 10 Global Peri-Urban Agriculture Market, By Commercial Farming Operations (2023–2034) (\$MN)

Table 11 Global Peri-Urban Agriculture Market, By Cooperative Farming Models (2023–2034) (\$MN)

Table 12 Global Peri-Urban Agriculture Market, By Community Supported Agriculture (CSA) Models (2023–2034) (\$MN)

Table 13 Global Peri-Urban Agriculture Market, By Institutional Farming (2023–2034) (\$MN)

Table 14 Global Peri-Urban Agriculture Market, By Urban Household Farming (2023–2034) (\$MN)

Table 15 Global Peri-Urban Agriculture Market, By Other Farming Models (2023–2034) (\$MN)

Table 16 Global Peri-Urban Agriculture Market, By Technology (2023–2034) (\$MN)

Table 17 Global Peri-Urban Agriculture Market, By Smart Irrigation Systems (2023–2034) (\$MN)

Table 18 Global Peri-Urban Agriculture Market, By IoT-Based Monitoring & Sensors (2023–2034) (\$MN)

Table 19 Global Peri-Urban Agriculture Market, By Automation & Robotics in Farming (2023–2034) (\$MN)

Table 20 Global Peri-Urban Agriculture Market, By Controlled Environment Agriculture (CEA) Technologies (2023–2034) (\$MN)

Table 21 Global Peri-Urban Agriculture Market, By Precision Farming & Data Analytics (2023–2034) (\$MN)

Table 22 Global Peri-Urban Agriculture Market, By Other Technologies (2023–2034) (\$MN)

Table 23 Global Peri-Urban Agriculture Market, By Crop Type (2023–2034) (\$MN)

Table 24 Global Peri-Urban Agriculture Market, By Fruits & Vegetables (2023–2034) (\$MN)

Table 25 Global Peri-Urban Agriculture Market, By Leafy Greens & Microgreens (2023–2034) (\$MN)

Table 26 Global Peri-Urban Agriculture Market, By Herbs & Medicinal Plants (2023–2034) (\$MN)

Table 27 Global Peri-Urban Agriculture Market, By Flowers & Ornamentals (2023–2034) (\$MN)

Table 28 Global Peri-Urban Agriculture Market, By Cereals & Grains (2023–2034) (\$MN)

Table 29 Global Peri-Urban Agriculture Market, By Other Crop Types (2023–2034) (\$MN)

Table 30 Global Peri-Urban Agriculture Market, By Distribution Channel (2023–2034) (\$MN)

Table 31 Global Peri-Urban Agriculture Market, By Direct-to-Consumer Sales (2023–2034) (\$MN)

Table 32 Global Peri-Urban Agriculture Market, By Farmers Markets (2023–2034) (\$MN)

Table 33 Global Peri-Urban Agriculture Market, By Retail & Supermarket Chains (2023–2034) (\$MN)

Table 34 Global Peri-Urban Agriculture Market, By Online Grocery Platforms (2023–2034) (\$MN)

Table 35 Global Peri-Urban Agriculture Market, By Food Service & Institutional Buyers (2023–2034) (\$MN)

Table 36 Global Peri-Urban Agriculture Market, By Other Distribution Channels (2023–2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

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