

The Global Market for Agritech and Advanced Food Technologies 2025-2035

https://marketpublishers.com/r/G921827D4375EN.html

Date: December 2014 Pages: 970 Price: US\$ 1,550.00 (Single User License) ID: G921827D4375EN

Abstracts

The global market for agricultural technology (Agritech) and advanced food technologies represents one of the most dynamic and rapidly evolving sectors in the modern economy. This market convergence of traditional agriculture with cutting-edge technology solutions addresses critical challenges in food security, sustainability, and resource optimization while meeting changing consumer demands. Current market valuations show significant growth across multiple segments, with precision agriculture, vertical farming, and alternative proteins leading the expansion. The sector has attracted unprecedented levels of investment, with venture capital and corporate funding reaching record levels in recent years. Traditional agricultural companies are increasingly partnering with or acquiring technology startups to strengthen their innovative capabilities and market position.

The precision agriculture segment, including smart farming technologies, robotics, and AI-driven solutions, currently dominates the agritech landscape. These technologies are transforming traditional farming practices by enabling data-driven decision-making, reducing resource waste, and improving yield optimization. The adoption of autonomous systems and robotics in agriculture continues to accelerate, particularly in developed markets facing labor shortages. Vertical farming and controlled environment agriculture represent fastest-growing segments, driven by urbanization trends and the need for local food production. These technologies are increasingly being adopted in major urban centers worldwide, with significant expansion in Asia and North America. The sector is seeing rapid technological advancement in areas such as LED lighting, automation systems, and climate control technologies.

In the advanced food technology sector, alternative proteins and cultivated meat are experiencing remarkable growth. Investment in these technologies has surged as



companies work to address sustainability concerns and meet growing consumer demand for plant-based and cell-cultured products. The sector is witnessing significant technological breakthroughs in areas such as fermentation, tissue engineering, and protein optimization. Looking toward 2035, the market is expected to undergo transformative growth driven by several key factors. Climate change adaptation requirements, population growth, and resource constraints will necessitate widespread adoption of advanced agricultural technologies. The integration of artificial intelligence, robotics, and biotechnology is expected to revolutionize farming practices, leading to more efficient and sustainable food production systems.

Future market development will likely see increased convergence between different technology segments, with integrated solutions becoming more common. The role of data analytics and artificial intelligence will become central to agricultural decision-making, while advances in biotechnology will enable more resilient and productive crop varieties. The alternative protein sector is projected to capture a significant share of the global protein market by 2035, with cultivated meat expected to achieve price parity with conventional products. Vertical farming is anticipated to become a major contributor to urban food supply, particularly in regions with limited agricultural land.

Regulatory frameworks and consumer acceptance will play crucial roles in market development, particularly for novel food technologies and biotechnology applications. Success in these markets will increasingly depend on companies' ability to demonstrate both technological effectiveness and sustainability credentials. The sector faces challenges including high initial investment requirements, technology adoption barriers, and the need for specialized infrastructure. However, continuing technological advancement and increasing environmental pressures are expected to drive sustained market growth and innovation across all segments of the agritech and advanced food technology landscape.

The Global Market for Agritech and Advanced Food Technologies 2025-2035 provides detailed analysis and forecasts of the rapidly evolving agricultural technology (Agritech) and advanced food technology sectors. The study offers in-depth market data, competitive intelligence, and strategic insights covering key technological innovations, market trends, and growth opportunities from 2025 to 2035. The report examines major technology segments including:

Vertical Farming and Controlled Environment Agriculture

Crop Biotechnology and Genetic Engineering



Smart Farming and Agricultural Robotics

Biostimulants and Biopesticides

Natural and Biological Fertilizers

Livestock Biotechnology

Advanced Food Technologies including Cultivated Meat and Alternative Proteins

Novel Food Ingredients and Processing Technologies

Report contents include:

Detailed market forecasts 2025-2035 by technology segment and region

Analysis of market drivers, challenges, and opportunities

Comprehensive competitive landscape and company profiles

Investment and funding analysis

Regulatory framework assessment

Technology readiness evaluation

Patent landscape analysis

The study provides extensive coverage of emerging technologies transforming agriculture and food production, including:

Agricultural Technologies:

Precision agriculture and smart farming systems

Agricultural robotics and automation



AI and machine learning applications

Drone and satellite monitoring

IoT sensors and analytics

Vertical farming systems and technologies

Advanced irrigation and resource management

Crop protection and enhancement technologies

Livestock monitoring and management systems

Food Technologies:

Cell-cultured meat and seafood
Plant-based proteins and alternatives
Fermentation-derived ingredients
Novel food processing methods
Bioactive compounds and ingredients
Natural preservatives and ingredients
Advanced packaging technologies

Food safety and traceability systems

The report includes detailed company profiles and competitive analysis covering over 800 companies across the agritech and foodtech value chains, from startups to established players. Key areas analyzed include technology offerings, market positioning, partnerships, funding, and strategic developments. Companies profiled



include Adaptive Symbiotic Technologies, AeroFarms, AgBiome, AgEagle, Aleph Farms, Andermatt Biocontrol, Benson Hill, Biotalys, Blue River Technology, BlueNalu, Bowery Farming, Carbon Robotics, Certis USA, Cibus, CropOne Holdings, Evogene, FarmWise, Ginkgo Bioworks, Gotham Greens, Impossible Foods, Inari, Indigo Ag, InFarm, Iron Ox, Jones Food Company, Kalera, Koppert Biological Systems, Marrone Bio Innovations, Meatable, Monarch Tractor, Mosa Meat, Na?o Technologies, Perfect Day, Pivot Bio, Plenty Unlimited, Precision Hawk, Provivi, Seipasa, Small Robot Company, Spread Co. Ltd, SuperMeat, Syngenta, UPSIDE Foods, Valagro, Verdant Robotics, Vestaron, Wildtype, Yield10 Bioscience, and Ynsect and many more.....

Regional analysis covers:

North America

Europe

Asia Pacific

Latin America

Middle East & Africa

The study examines critical market drivers including:

Growing global food demand

Climate change and sustainability pressures

Resource constraints

Technological advancement

Changing consumer preferences

Regulatory developments

Investment trends



Key challenges addressed include:

Technology scalability

Cost considerations

Regulatory compliance

Market adoption barriers

Infrastructure requirements

Environmental impact

The report provides granular market size and forecast data for each technology segment, with detailed breakdown by:

Technology type

Application area

Geographic region

End-user industry

Special focus areas include:

Investment and funding analysis

Startup ecosystem

Technology convergence

Sustainability impacts

Consumer acceptance



Supply chain considerations

Manufacturing scale-up

The study offers strategic insights for:

Technology companies

Agricultural businesses

Food manufacturers

Investment firms

Government agencies

Research institutions

This essential intelligence resource provides decision-makers with comprehensive data and analysis to navigate the rapidly evolving agritech and advanced food technology landscape. The report helps stakeholders identify growth opportunities, assess competitive threats, and develop effective market strategies. The analysis is based on extensive primary research including:

Industry interviews

Company surveys

Technology assessment

Patent analysis

Investment tracking

Regulatory review



Report data is presented through:

Detailed market forecasts

Company profiles

Competitive analysis

Technology roadmaps

Strategic frameworks

Case studies

This authoritative market study supports:

Strategic planning

Market entry decisions

Technology investment

Partnership development

Risk assessment

Innovation management

The report provides an essential foundation for understanding the transformation of agriculture and food production through advanced technologies, helping organizations capitalize on emerging opportunities in this high-growth market.



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