

# Future of Farming: AgriTech Market to Hit \$34.8 Billion by 2034 at 15.3% CAGR

*Rising adoption of smart farming technologies is driving the AgriTech market, enhancing efficiency, productivity, and sustainable agriculture globally.*

WILMINGTON, DE, UNITED STATES, December 10, 2025 /EINPresswire.com/ -- According to a new report published by Allied Market [AgriTech Market](#) Size, Share, Competitive Landscape and Trend Analysis Report, by Component (Hardware, Software, Service), by Application (Precision Farming and Farm Management, Livestock Monitoring, Quality Management, Others), by Technology (AI, IoT, Automation and robotics, Others): Global Opportunity Analysis and Industry Forecast, 2024 - 2034, The global AgriTech market size was valued at USD 8,150.15 million in 2024, and is projected to reach USD 34,831.17 million by 2034, growing at a CAGR of 15.3% from 2025 to 2034.

The global AgriTech market is witnessing significant growth due to the increasing integration of technology in agriculture. Innovations such as precision farming, smart irrigation, AI-driven crop monitoring, and automated machinery are transforming traditional farming practices into more efficient and sustainable operations. Rising global food demand and the need for resource optimization are further accelerating the adoption of these technologies.

Additionally, government initiatives and investments supporting digital agriculture solutions are driving market expansion. Startups and established tech companies are introducing innovative solutions, including drones, sensors, data analytics platforms, and farm management software, aimed at increasing crop yields, reducing operational costs, and addressing challenges posed by climate change and labor shortages.

For more information, please contact: <https://www.alliedmarketresearch.com/request-sample/A128653>

Key highlights:

- **Market Drivers:** The demand for higher crop productivity, reduced resource wastage, and efficient farm management is fueling the adoption of AgriTech solutions. Advanced technologies such as AI, IoT, and robotics are enabling farmers to make data-driven decisions, enhancing overall farm performance.
- **Market Challenges:** High initial costs of implementing smart farming solutions and lack of awareness

among small-scale farmers can hinder market growth.

Integration of new technologies into traditional farming practices may require technical expertise and training.

- **Investment Opportunities:** Rising investments in precision agriculture, smart greenhouses, and sustainable farming practices present lucrative opportunities for technology providers and investors. Emerging markets offer untapped potential for AgriTech adoption.
- **AI and IoT Adoption:** There is a growing trend toward AI-driven crop monitoring, drone-assisted farming, and IoT-enabled irrigation systems. Cloud-based farm management software and predictive analytics are becoming critical tools for modern agriculture.
- **Government Support:** Supportive government policies, subsidies, and sustainability regulations are encouraging farmers to adopt eco-friendly and efficient agricultural technologies, driving long-term market growth.

For more information on the AgriTech market, visit our website (<https://www.alliedmarketresearch.com/purchase-enquiry/A128653>).

#### Market Segmentation

The AgriTech market is segmented by technology (precision farming, farm management software, smart greenhouses, robotics, sensors), application (crop management, livestock monitoring, aquaculture, horticulture), and end-user (large-scale farms, small-scale farms, research institutions). Precision farming solutions dominate due to their ability to optimize resource use and improve crop yield.

In 2024, the hardware segment dominated the AgriTech market and is expected to maintain its leading position in the coming years. This growth is driven by rising demand for precision farming equipment, IoT-enabled devices, and automation solutions in agriculture. Additionally, the increasing focus on sustainable farming practices, coupled with government subsidies for smart agriculture tools, is accelerating the adoption of hardware solutions.

Conversely, the service segment is projected to register the highest growth during the forecast period. This is fueled by growing demand for data analytics, AI-driven farm management platforms, and maintenance or consulting services, as farmers increasingly leverage digital solutions to optimize productivity and efficiency.

#### Regional Analysis

North America held the largest market share in 2024, supported by widespread adoption of advanced technologies such as AI, robotics, and precision farming tools, along with strong government backing and substantial R&D investments.

Meanwhile, LAMEA (Latin America, Middle East, and Africa) is expected to witness the fastest growth over the forecast period. The region's increasing need for food security, climate-resilient farming solutions, and government initiatives promoting digital agriculture are creating lucrative opportunities for AgriTech adoption and expansion.

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The key players profiled in the agritech market analysis are Syngenta AG, Indigo Ag, Pivot Bio, ninjacart, Agreena ApS, CropX, Zuari FarmHub Limited, ARSR Tech, Crofarm Agriproducts Pvt Ltd., LettUs Grow, Ceres Imaging, Hortau Technologies Inc., Farmers Business Network, John Deere, AGCO Corporation., Microsoft Corporation, AgEagle Aerial Systems Inc., CNH Industrial N.V., topcon positioning systems, and BrioAgro Tech, S.L. These players have adopted various strategies to increase their market penetration and strengthen their position in the [agritech industry](#).

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- By Component, the hardware segment held the largest share in the Agritech market for 2024.
- By Application, the precision farming and farm management segment held the largest share in the Agritech market for 2024.
- By Technology, the automation and robotics segment held the largest share in the Agritech market for 2024.
- Region-wise, North America held largest Agritech market share in 2024. However, Asia-Pacific is expected to witness the highest CAGR during the forecast period.

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Connected Agriculture Market

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David Correa

Allied Market Research

+ +1 800-792-5285

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