

# 5G Smart Farming Market to Hit USD 113.16 Billion by 2034, Growing at 18.24% CAGR – Transforming Agriculture

*Technological progression in the Internet of Things and smart devices is driving the market demand.*

NEW YORK CITY, NY, UNITED STATES, January 15, 2025 /EINPresswire.com/ -- 5G Smart Farming Market

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5G sanctions smooth linkage for a broad gamut of IoT gadgets enhancing the amalgamation and presentation of smart farming solutions such as soil sensors, weather stations, and livestock trackers.”

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Market

5G Smart Farming Market is projected to reach USD 113.16 billion by 2034, growing at a CAGR of 18.24%. The market is driven by the increasing adoption of IoT devices and smart farming solutions. The market is segmented into various regions, including North America, Europe, Asia-Pacific, and Latin America. The market is also segmented by application, including precision farming, smart irrigation, and livestock management. The market is expected to grow significantly in the coming years, driven by the increasing adoption of 5G technology and smart farming solutions.

5G Smart Farming Market

For 5G in agriculture to assist enhance farming productivity, the machine requires to be linked with IoT sensors. However, additional computing power will be needed to operate this machinery. Centralized AI is also an important element as it can offer an immediate approach to a massive aggregate of real-time data observing functions.

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Shortly, nameless battery-fueled drone sprayers will assist farmers in enhancing the rearing of crops by utilizing an appropriate quantity of pesticides for meticulously timed spells. The National Institute of Agro-machinery Innovation and Creation (CHIAIC) in Luoyang instigated a hydrogen fuel-cell electric tractor in June 2020. The contemporary version the ET504-H, exhibits an innovative aspect and is armed with 5G mobile communication technology pushing the 5G

smart farming market demand.

Understanding key players and their initiatives provides valuable insights into the competitive landscape and emerging opportunities in the market.

Here are the top companies in the market:

- Trimble Inc.
- AG Leader Technology
- Huawei
- Dronetech
- Ericsson
- Deere and Company
- LumiGrow
- Raven Industries
- DroneDeploy
- Vodacom
- Indigo Ag



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Several governments and agricultural bodies are funding and reinforcing the advancement of the 5G framework and smart farming technologies. Enterprises, allotments, and investing programs targeted at progressing agricultural invention and digital framework decrease fiscal barricades and inspire the acquisition of smart technologies amidst farmers and agribusinesses.

Growing labor prices and labor deficiencies globally have speeded the acquisition of smart framing practices amidst native producers to encounter the elevated demand for locally yielded farming commodities globally.

The 5G smart farming market segmentation is based on component, application, and region.

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- By component analysis, the hardware segment held the largest market share. This is due to growing demand and technological progression in sensors, drones, robotic systems, and smart tractors.
- By application analysis, the water management segment is poised to register a significant CAGR. This is due to the growth in consciousness about water dearth and expenses linked with extensive water flows towards dissipation.

Report Scope and Coverage:

The research report covers all the major regions and sub-regions of the 5G smart farming market. The study provides market insights into North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa.

North America: North America accounted for the largest market share. This is primarily because of steady internet connections in rural areas and the growing precision of precision farming.

Asia Pacific: Asia Pacific is anticipated to witness the fastest CAGR from 2025 to 2034. The region's growing government capabilities and elevated demand for farm-yielded commodities fuel the regional market expansion.

Report Link: [https://www.polarismarketresearch.com/industry-analysis/5g-smart-farming-market/inquire-before-buying?utm\\_source=EIN&utm\\_medium=EIN&utm\\_campaign=EIN&utm\\_id=01](https://www.polarismarketresearch.com/industry-analysis/5g-smart-farming-market/inquire-before-buying?utm_source=EIN&utm_medium=EIN&utm_campaign=EIN&utm_id=01)

Q1:

How much is the 5G smart farming market?  
The market size was valued at USD 21.80 billion in 2024 and is projected to grow to USD 113.16 billion by 2034.

Q2: What does the 5G smart farming market report cover?

The market report covers revenue forecast, market competitive landscape, growth factors, and trends.

Q3: Which segment, based on component, led the market?

The hardware segment led the market during the forecast period.

Q4: What is the market growth rate?

The global market is projected to register a CAGR of 18.24% during the forecast period.

Report Summary: The 5G smart farming market is projected to grow from USD 21.80 billion in 2024 to USD 113.16 billion by 2034, at a CAGR of 18.24%. The hardware segment is the largest, followed by software and services. Asia Pacific is the fastest-growing region, while North America holds the largest market share. The report also covers market drivers, challenges, and key players.

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