

# **Smart Agriculture Tools Market Size, Share, and Outlook, 2025 Report- By Application (Automated Machinery Guidance Control, Obstacle Detection, Tractor Collision, Machinery Safety and Monitoring, Variable Rate Technology, Premises Surveillance), By Agriculture (Precision Farming, Livestock Monitoring, Fish Farming, Smart Greenhouse), By Component (Hardware, Software, Services), 2018-2032**

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## **Abstracts**

### **Smart Agriculture Tools Market Outlook**

The Smart Agriculture Tools Market size is expected to register a growth rate of 10.6% during the forecast period from \$15.46 Billion in 2025 to \$31.3 Billion in 2032. The Smart Agriculture Tools market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Smart Agriculture Tools segments across 22 countries from 2021 to 2032. Key segments in the report include By Application (Automated Machinery Guidance Control, Obstacle Detection, Tractor Collision, Machinery Safety and Monitoring, Variable Rate Technology, Premises Surveillance), By Agriculture (Precision Farming, Livestock Monitoring, Fish Farming, Smart Greenhouse), By Component (Hardware, Software, Services). Over 70 tables and charts showcase findings from our latest survey report on Smart Agriculture Tools markets.

### **Smart Agriculture Tools Market Insights, 2025**

The smart agriculture tools market is growing as farmers increasingly leverage IoT, AI, and automation to optimize crop yields, reduce resource wastage, and improve sustainability. Precision farming tools such as soil sensors, drone-based imaging, and GPS-enabled equipment are transforming modern agriculture by enabling real-time monitoring and predictive analytics. Companies like John Deere, Trimble, and AG Leader are developing advanced solutions that integrate AI-driven decision-making with automated irrigation, pest control, and fertilization systems. The push for sustainable farming practices, combined with labor shortages and climate change challenges, is accelerating the adoption of smart agriculture technologies. Additionally, government initiatives promoting smart farming solutions, along with the expansion of 5G connectivity in rural areas, are enhancing the efficiency and scalability of data-driven agricultural practices.

### Five Trends that will define global Smart Agriculture Tools market in 2025 and Beyond

A closer look at the multi-million market for Smart Agriculture Tools identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Smart Agriculture Tools companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Smart Agriculture Tools vendors.

### What are the biggest opportunities for growth in the Smart Agriculture Tools industry?

The Smart Agriculture Tools sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

### Smart Agriculture Tools Market Segment Insights

The Smart Agriculture Tools industry presents strong offers across categories. The analytical report offers forecasts of Smart Agriculture Tools industry performance across

segments and countries. Key segments in the industry include%li%By Application (Automated Machinery Guidance Control, Obstacle Detection, Tractor Collision, Machinery Safety and Monitoring, Variable Rate Technology, Premises Surveillance), By Agriculture (Precision Farming, Livestock Monitoring, Fish Farming, Smart Greenhouse), By Component (Hardware, Software, Services). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Smart Agriculture Tools market size outlook is provided for 22 countries across these regions.

### Market Value Chain

The chapter identifies potential companies and their operations across the global Smart Agriculture Tools industry ecosystem. It assists decision-makers in evaluating global Smart Agriculture Tools market fundamentals, market dynamics, and disruptive trends across the value chain segments.

### Scenario Analysis and Forecasts

Strategic decision-making in the Smart Agriculture Tools industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

### Asia Pacific Smart Agriculture Tools Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

### The State of Europe Smart Agriculture Tools Industry 2025%li%Focus on Accelerating

## Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Smart Agriculture Tools with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Smart Agriculture Tools market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Smart Agriculture Tools market Insights%li%Vendors are exploring new opportunities within the US Smart Agriculture Tools industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Smart Agriculture Tools companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Smart Agriculture Tools market.

Latin American Smart Agriculture Tools market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Smart Agriculture Tools Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing

population base is attracting new investments in the Middle East and African Smart Agriculture Tools markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Smart Agriculture Tools markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

## Competitive Landscape%li%How Smart Agriculture Tools companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include AG Leader Technology, AGCO, AgJunction, Agribotix, CropMetrics, Deere & Company, DeLaval, Descartes Labs, DICKEY-john Corp, ec2ce, GEA Group, Precision Planting, Raven Industries, SST Development Group, Teejet Technologies, The Climate Corp, Topcon Positioning Systems.

## Smart Agriculture Tools Market Segmentation

### By Application

Automated Machinery Guidance Control

Obstacle Detection

Tractor Collision

Machinery Safety and Monitoring

Variable Rate Technology

Premises Surveillance

### By Agriculture

Precision Farming

Livestock Monitoring

Fish Farming

Smart Greenhouse

By Component

Hardware

Software

Services

Leading Companies

AG Leader Technology

AGCO

AgJunction

Agribotix

CropMetrics

Deere & Company

DeLaval

Descartes Labs

DICKEY-john Corp

ec2ce

GEA Group

Precision Planting

Raven Industries

SST Development Group

Teejet Technologies

The Climate Corp

Topcon Positioning Systems

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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**Tractor Collision**

**Machinery Safety and Monitoring**

**Variable Rate Technology**

**Premises Surveillance**

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**Livestock Monitoring**

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