

# Global Smart Agriculture Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Smart Agriculture market size was valued at USD 4153.6 million in 2023 and is forecast to a readjusted size of USD 7684.6 million by 2030 with a CAGR of 9.2% during review period.

Smart agriculture, allows farmers to maximize yields using minimal resources such as water, fertilizer, and seeds. By deploying sensors and mapping fields, farmers can begin to understand their crops at a micro scale, conserve resources, and reduce impacts on the environment. Smart agriculture has roots going back to the 1980s when Global Positioning System (GPS) capability became accessible for civilian use. Once farmers were able to accurately map their crop fields, they could monitor and apply fertilizer and weed treatments only to areas that required it. During the 1990s, early precision agriculture users adopted crop yield monitoring to generate fertilizer and pH correction recommendations. As more variables could be measured and entered into a crop model, more accurate recommendations for fertilizer application, watering, and even peak yield harvesting, could be made. A number of sensing technologies are used in precision agriculture, providing data that helps farmers monitor and optimize crops, as well as adapt to changing environmental factors. This report mainly covers the Smart agriculture sensor and robot and other device. software and other service solution is not covered.

The industry's leading producers are Texas Instruments, AGCO Corporation and GEA Farm Technologies, with revenue ratios of 8.10%, 11.00% and 2.67%, respectively, in 2019.

The Global Info Research report includes an overview of the development of the Smart Agriculture industry chain, the market status of Planting Agriculture (Smart Agriculture

Sensor, Smart Agriculture Robot), Horticulture (Smart Agriculture Sensor, Smart Agriculture Robot), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Smart Agriculture.

Regionally, the report analyzes the Smart Agriculture markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Smart Agriculture market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Smart Agriculture market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Smart Agriculture industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Smart Agriculture Sensor, Smart Agriculture Robot).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Smart Agriculture market.

**Regional Analysis:** The report involves examining the Smart Agriculture market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Smart Agriculture market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Smart Agriculture:

**Company Analysis:** Report covers individual Smart Agriculture players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Smart Agriculture. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Planting Agriculture, Horticulture).

**Technology Analysis:** Report covers specific technologies relevant to Smart Agriculture. It assesses the current state, advancements, and potential future developments in Smart Agriculture areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Smart Agriculture market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Smart Agriculture market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

### Market segment by Type

Smart Agriculture Sensor

Smart Agriculture Robot

Agricultural Drone

Others

## Market segment by Application

Planting Agriculture

Horticulture

Livestock Monitoring

Others

## Market segment by players, this report covers

Texas Instruments

John Deere

AKVA Group

Robotics Plus

AGCO Corporation

GEA Farm Technologies

CropX

Trimble Inc

Yamaha

Lely

DeLaval

YANMAR

FarmBot

Raven Industries

AG Leader Technology

TOPCON Positioning Systems

AG Junction

Allflex

AeroFarms

Osram Licht AG

XAG

Kebai Science

Shenzhen High-tech New Agriculture Technology

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Smart Agriculture product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Smart Agriculture, with revenue, gross margin and global market share of Smart Agriculture from 2019 to 2024.

Chapter 3, the Smart Agriculture competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Smart Agriculture market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Smart Agriculture.

Chapter 13, to describe Smart Agriculture research findings and conclusion.

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