

# Global Digital Farming Technology Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Digital Farming Technology market size was valued at US\$ 9775 million in 2025 and is forecast to a readjusted size of US\$ 25703 million by 2032 with a CAGR of 14.6% during review period.

Digital Farming Technology refers to the enabling digital and intelligent technology stack used across agricultural production and farm operations, with the core objective of connecting equipment, in-field and in-barn sensing, remote-sensing imagery, positioning and navigation, communications, data platforms, and agronomic models into a closed loop of data capture, transmission, analytics, decisioning, execution, and feedback. Compared with a single device or software tool, the ?technology? scope emphasizes foundational capabilities, including connected terminals, data governance and security, models and decision engines, and implementable operational control.

In practical architecture, it is commonly organized into three layers: a device and execution layer composed of machine terminals, sensors, drones, and automation equipment; a connectivity and data foundation layer responsible for multi-source data aggregation, cleaning, standardization, permissions, and compliance; and an application and services layer covering variable-rate execution, prescription generation, work scheduling, cost accounting, crop health and pest monitoring, yield analytics, risk alerts, traceability, and reporting. Industry definitions also frame Digital Farming as an evolution from Precision Farming toward connected, knowledge-based production systems enabled by intelligent networks and data-management tools.

Digital Farming Technology is accelerating the shift from experience-driven production

to data-driven operations. As growers face more volatile weather, rising input costs, and structural labor constraints, the value proposition becomes increasingly outcome-based, focusing on yield stability, input efficiency, and operational productivity. In parallel, the enabling stack has matured: connected machinery, cloud and edge computing, and remote sensing and modeling are now easier to embed into daily workflows. Momentum is visible in the expansion of platform engagement metrics disclosed by leading players, such as John Deere's use of 'engaged acres' as a foundational measure of digital adoption in its Operations Center ecosystem.

Commercialization, however, remains constrained by fragmented data sources, uneven data quality, and imperfect interoperability across brands, which increase integration costs and extend delivery cycles. Expectations around data rights, sharing boundaries, and compliance can further influence trust and procurement decisions. Downstream demand is therefore shifting from documentation and visualization toward prescription-driven execution, from point tools toward system-level coordination, and from one-time purchases toward hybrid procurement models combining annual subscriptions, tiered module upgrades, and service-led delivery. Annual report disclosures also indicate that subscription and service revenues linked to precision guidance, telematics, and information-enabled solutions are increasingly material, reinforcing the subscriptionization trend in the sector.

This report is a detailed and comprehensive analysis for global Digital Farming Technology market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Digital Farming Technology market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Digital Farming Technology market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Digital Farming Technology market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Digital Farming Technology market shares of main players, in revenue (\$ Million), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Digital Farming Technology

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Digital Farming Technology market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Deere & Company, CNH Industrial N.V., AGCO Corporation, Kubota Corporation, Topcon Corporation, CLAAS KGaA mbH, BASF SE, Bayer AG, CORTEVA, INC., Syngenta Group Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market segmentation**

Digital Farming Technology market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hardware and Embedded Control

Software Platforms

Data Products

Others

#### Market segment by Solution

End To End Farm Digitalization

Field Operations Systems

Monitoring and Analytics Systems

Others

#### Market segment by Deployment Model

Cloud SaaS

Hybrid Cloud and Edge

On Premise

#### Market segment by Automation Level

Decision Support

Assisted Automation

Autonomous Operation

Others

#### Market segment by Application

Large Enterprise Farms

Mid Size Commercial Farms

Smallholders

Others

Market segment by players, this report covers

Deere & Company

CNH Industrial N.V.

AGCO Corporation

Kubota Corporation

Topcon Corporation

CLAAS KGaA mbH

BASF SE

Bayer AG

CORTEVA, INC.

Syngenta Group Co., Ltd.

KWS SAAT SE & Co. KGaA

Yara International ASA

Ag Leader Technology

J.R. Simplot Company

Orbia Advance Corporation, S.A.B. de C.V.

SZ DJI Technology Co., Ltd.

XAG Co., Ltd.

Huawei Investment & Holding Co., Ltd.

Zoomlion Heavy Industry Science & Technology Co., Ltd.

Zhejiang Top Yunnong Technology Co., Ltd.

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 and Rest of Asia-Pacific)

South America (Brazil, 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 Digital Farming Technology product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Digital Farming Technology, with revenue, gross margin, and global market share of Digital Farming Technology from 2021 to 2026.

Chapter 3, the Digital Farming Technology 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 by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Digital Farming Technology market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

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

Chapter 12, the key raw materials and key suppliers, and industry chain of Digital Farming Technology.

Chapter 13, to describe Digital Farming Technology research findings and conclusion.

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