

# Global Digital Farming Technology Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Digital Farming Technology market size is expected to reach \$ 25703 million by 2032, rising at a market growth of 14.6% CAGR during the forecast period (2026-2032).

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 studies the global Digital Farming Technology demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Digital Farming Technology, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Digital Farming Technology that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Digital Farming Technology total market, 2021-2032, (USD Million)

Global Digital Farming Technology total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Digital Farming Technology total market, key domestic companies, and share, (USD Million)

Global Digital Farming Technology revenue by player, revenue and market share 2021-2026, (USD Million)

Global Digital Farming Technology total market by Type, CAGR, 2021-2032, (USD Million)

Global Digital Farming Technology total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Digital Farming Technology market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Digital Farming Technology Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Digital Farming Technology Market, Segmentation by Type:

Hardware and Embedded Control

Software Platforms

Data Products

Others

### Global Digital Farming Technology Market, Segmentation by Solution:

End To End Farm Digitalization

Field Operations Systems

Monitoring and Analytics Systems

Others

### Global Digital Farming Technology Market, Segmentation by Deployment Model:

Cloud SaaS

Hybrid Cloud and Edge

On Premise

### Global Digital Farming Technology Market, Segmentation by Automation Level:

Decision Support

Assisted Automation

Autonomous Operation

Others

### Global Digital Farming Technology Market, Segmentation by Application:

Large Enterprise Farms

Mid Size Commercial Farms

Smallholders

Others

**Companies Profiled:**

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.

#### Key Questions Answered

1. How big is the global Digital Farming Technology market?
2. What is the demand of the global Digital Farming Technology market?
3. What is the year over year growth of the global Digital Farming Technology market?
4. What is the total value of the global Digital Farming Technology market?
5. Who are the Major Players in the global Digital Farming Technology market?
6. What are the growth factors driving the market demand?

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