

Global Precision Agriculture Systems Market Growth (Status and Outlook) 2026-2032

<https://marketpublishers.com/r/GBA764F316BEN.html>

Date: May 2026

Pages: 132

Price: US\$ 3,660.00 (Single User License)

ID: GBA764F316BEN

Abstracts

The global Precision Agriculture Systems market size is predicted to grow from US\$ 6115 million in 2025 to US\$ 13610 million in 2032; it is expected to grow at a CAGR of 12.3% from 2026 to 2032.

Precision Agriculture Systems are integrated, site specific farm management solutions that combine positioning and guidance, in field and onboard sensing, remote sensing, and decision software to turn planting, fertilizing, spraying, irrigation, and harvest into a data driven workflow. A defining feature is measuring and responding to within field variability, using prescriptions and machine control to apply inputs where and when needed, while improving traceability, resource efficiency, and sustainability performance.

In product form, these systems typically include in cab displays and controllers, GNSS and RTK positioning modules, electronically controlled implements with metering components, sensor and connectivity modules, and a cloud or on farm software layer that closes the loop from data capture to analytics and modeling, prescription generation, variable execution, and feedback. In mixed fleet environments, interoperability is often enabled through ISO 11783, which standardizes data transfer and control communications between tractors, implements, sensors, actuators, and display units.

Globally, growth is supported by the need to stabilize yields and manage climate volatility, alongside structural labor constraints that increase the value of automation and guidance. Large scale operations continue to accelerate adoption of automated guidance and digital field operations, and policy attention to agricultural automation and digitalization adds momentum by improving investment certainty across equipment,

connectivity, and advisory ecosystems.

Key risks remain practical and commercial: inconsistent field connectivity and variable data quality, limited interoperability across machines and software, disputes over data ownership and privacy, and slower payback sensitive adoption among smaller farms. Where mixed fleets dominate, the absence of consistent interfaces and data models increases integration cost and slows scalable deployments.

Demand is shifting from point tools toward workflow based procurement, where guidance and variable rate execution anchor the value proposition and sensing increasingly feeds prescription creation and outcome verification. As farms professionalize operations, software and services expand their share of value capture, while contractors and dealer networks package systems into managed offerings that monetize performance, uptime, and compliance reporting rather than only hardware sales.

LPI (LP Information)' newest research report, the 'Precision Agriculture Systems Industry Forecast' looks at past sales and reviews total world Precision Agriculture Systems sales in 2025, providing a comprehensive analysis by region and market sector of projected Precision Agriculture Systems sales for 2026 through 2032. With Precision Agriculture Systems sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Precision Agriculture Systems industry.

This Insight Report provides a comprehensive analysis of the global Precision Agriculture Systems landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Precision Agriculture Systems portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Precision Agriculture Systems market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Precision Agriculture Systems and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Precision Agriculture Systems.

This report presents a comprehensive overview, market shares, and growth opportunities of Precision Agriculture Systems market by product type, application, key players and key regions and countries.

Segmentation by Type:

Guidance System

Remote Sensing

Variable-Rate Technology

Segmentation by Product Form:

Hardware Systems

Software Platforms

Services and Support

Segmentation by Data Source:

Machine and Implement Data

In-Field Sensor Data

Aerial and Satellite Data

Others

Segmentation by Technology Function:

Positioning and Autosteer

Application Control and VRT

Remote Sensing and Imaging

Others

Segmentation by Application:

Farmland & Farms

Agricultural Cooperatives

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Deere & Company

CNH Industrial N.V.

AGCO Corporation

Kubota Corporation

CLAAS KGaA mbH

Yanmar Holdings Co., Ltd.

Topcon Corporation

Hexagon AB

Valmont Industries, Inc.

Lindsay Corporation

Ag Leader Technology, Inc.

CropX Technologies

Spraying Systems Co.

TSI Incorporated

SZ DJI Technology Co., Ltd.

Guangzhou Xaircraft Technology Co., Ltd.

FJ Dynamics Technology Co., Ltd.

Shanghai Huace Navigation Technology Ltd.

Beijing UniStrong Science & Technology Co., Ltd.

Guangzhou Hi-Target Navigation Tech Co., Ltd.

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