

Precision Farming Market Growth Analysis - Market Size, Share, Forecast Trends and Outlook Report (2025-2034)

Market Report | 2025-08-13 | 179 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$3599.00
- Five User License \$4249.00
- Corporate License \$5099.00

Report description:

The global precision farming market size reached a value of about USD 8.69 Billion in 2024 . The market is further expected to grow at a CAGR of 13.40% in the forecast period of 2025-2034 to reach a value of approximately USD 30.56 Billion by 2034 .

The global precision farming market is rapidly growing, driven by the increasing adoption of advanced technologies such as the Internet of Things (IoT) and advanced analytics. Precision farming, which focuses on optimising agricultural practices to increase efficiency, is becoming essential for farmers worldwide.

The use of IoT devices allows for real-time monitoring of crop health, soil conditions, and weather patterns, ensuring better decision-making. Advanced analytics further enhances this by processing vast amounts of data to provide actionable insights. This transformation is expected to fuel substantial market growth, revolutionising the agriculture sector and boosting sustainability.

Key Trends and Developments

The precision agriculture market is growing due to increased demand for IoT integration, the use of drones and aerial imaging, advanced data analytics for crop management, and the adoption of automation and robotics in farming practices.

February 2025

North Korea launched the "Agricultural Weather 2.0" app, offering detailed weather information for farmers. The app provides village-specific forecasts, weather alerts, and climate data, helping farmers plan their activities. It also includes disaster alerts and a glossary of weather terms, with region-specific product keys for access.

February 2025

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

BASF launched its Xarvio Field Manager for Fruits & Veggies, initially targeting grape growers in Southern Europe, including France, Spain, Italy, and Turkey. The precision farming tool provides field-specific advice to optimise crop production. Following BASF's acquisition of Horta in 2022, the service expanded to other crops.

November 2024

A report titled Precision Farming Technology and Best Practices in China was released at a meeting in Beijing. The report, part of a digital transformation project led by FAO and Pinduoduo, reviewed precision agriculture technologies in various sectors and examined successful practices in China, supporting sustainable agrifood systems.

September 2024

The Centre planned to invest Rs 6,000 crore in precision farming to enhance crop yields using AI, drones, and data analytics. The initiative aimed to cover 15,000 acres over five years, benefiting 60,000 farmers. Additionally, 22 Precision Farming Development Centres (PFDCs) were established to test and adapt technologies.

Use of IoT in Precision Agriculture is Key Trend in the Precision Agriculture Market

The integration of Internet of Things (IoT) technology is transforming precision agriculture by enabling the real-time collection and analysis of data. IoT sensors placed in agricultural fields monitor soil conditions, weather, and crop health, improving decision-making and resource management. This trend boosts crop yields, minimises waste, and promotes sustainable farming practices. In February 2025, ASYAGRO, an agro-tech company, enhanced farming efficiency by using IoT sensors for real-time monitoring of soil and crops, boosting sustainability and fair pricing.

Adoption of Drones and Aerial Imaging is Influencing the Precision Agriculture Market Dynamics and Trends

Drones are becoming an essential tool in precision agriculture, providing detailed aerial insights into crop health, irrigation needs, and pest control. These technologies offer farmers the ability to monitor and manage crops more efficiently, improving productivity and reducing costs. In December 2024, AgTechLogic partnered with Birds Eye Aerial Drones to provide advanced drone technology, such as multispectral imaging and infrared analytics, helping farmers make smarter, data-driven decisions and optimise crop management.

Advanced Data Analytics for Crop Management is Boosting the Growth of the Precision Agriculture Market

Advanced data analytics in precision agriculture allows farmers to better understand crop performance and field conditions. By analysing data from sensors, drones, and satellite images, predictive models can forecast yields, detect diseases, and optimise irrigation. This data-driven approach increases productivity, reduces resource wastage, and enhances sustainable farming. Through technologies like sensors and satellite imagery, farmers have improved crop management, fertilisation, and pest control, contributing to better resource use and higher yields, all supporting a more efficient farming future.

Automation and Robotics in Farming are Boosting Opportunities in the Precision Agriculture Market

Automation and robotics are revolutionising farming by reducing manual labour and enhancing precision. Autonomous tractors, planters, and harvesters streamline planting, cultivation, and harvesting, improving efficiency and cutting costs. These technologies reduce environmental impact by applying fertilisers and pesticides more accurately. In January 2025, Bonsai Robotics raised \$15 million to develop autonomous vehicles for harvesting crops like almonds, addressing labour shortages in

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

agriculture and promoting efficiency in orchard management.

Precision Farming Market Trends

Precision farming has emerged as a transformative approach in the agricultural sector. By integrating advanced technologies like IoT, GPS, and remote sensing, precision farming is improving crop management. The use of sensors enhances data collection, enabling smarter irrigation systems that optimize water use. This technology facilitates more efficient use of resources, driving sustainability in farming. With precision farming, farmers are able to monitor soil conditions, weather patterns, and crop health more accurately, making data-driven decisions with the help of IoT that result in higher yields and reduced environmental impact.

The adoption of sustainable agriculture practices is growing rapidly, driven by the need to conserve natural resources and ensure long-term agricultural productivity. Sustainable farming technologies focus on minimizing environmental impact while maximizing crop production. This involves strategies such as efficient water use, crop rotation, and precision irrigation. By prioritizing sustainability, farmers can reduce the depletion of natural resources, mitigate the effects of climate change, and create a healthier, more resilient farming ecosystem. The shift towards sustainable farming practices supports the broader goal of enhancing food security and ecosystem health.

Technological innovations, such as vertical farming and the use of driverless tractors, are revolutionizing the agricultural sector. The incorporation of guidance systems powered by GPS and sensors enables automated farming operations, reducing labor costs and increasing efficiency. In precision farming, these technologies work in tandem to improve yield predictions and enhance the precision of crop management. Sensors collect valuable data from the field, which can be analyzed to optimize planting, irrigation, and harvesting strategies. This integration of automation and data analytics is a key driver of modern agriculture, paving the way for higher productivity and sustainability.

The ongoing evolution of precision farming technologies continues to shape the future of agriculture. By refining existing tools and introducing new innovations, the industry is moving towards more efficient, data-driven practices. The future of farming will be defined by even greater reliance on precision farming, with technology playing an integral role in all aspects of crop management.

Technologies such as farm management software and remote sensing tools are enabling farmers to monitor crop health and implement targeted irrigation and yield monitoring strategies. With the help of field mapping and harvesting management systems, farmers can optimize every phase of the agricultural cycle, from planting to harvesting. These advancements help increase crop yields, reduce waste, and improve overall farm efficiency.

Precision farming is continuously advancing with innovations like Variable Rate Technology (VRT) and enhanced guidance systems. These systems enable farmers to apply resources more accurately and efficiently, such as fertilizers and pesticides, in precise amounts based on soil conditions. This targeted approach reduces costs and environmental impact while enhancing crop performance, contributing to the overall success of precision farming.

As the agricultural sector continues to modernize, smart agricultural practices are gaining traction. Optimizing the supply chain and improving agricultural operations through technology are vital steps in the evolution of modern farming. With the adoption of precision tools and smarter resource management, farmers can enhance efficiency and ensure the sustainable growth of the sector. The integration of these technologies helps improve the quality and availability of food while reducing waste and environmental degradation.

Market Concentration & Characteristics

Precision farming has significantly transformed agriculture, leveraging advanced technologies such as Wi-Fi technology, Zigbee

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

technology, and RF technology. These innovations have enabled farmers to use sensors for real-time monitoring, enhancing efficiency in crop production. Precision farming relies on data-driven solutions that provide accurate insights into soil conditions, water levels, and weather patterns. The integration of these technologies has led to improved resource management, boosting yields and reducing waste. As the demand for sustainable farming increases, the market for precision farming technologies continues to expand, offering enhanced productivity and sustainability.

The agriculture industry has increasingly adopted precision farming methods to maximize crop production while minimizing environmental impact. By integrating cutting-edge technologies like GPS, drones, and IoT-based sensors, precision farming enables farmers to make data-driven decisions. These technologies help monitor soil moisture, temperature, and nutrient levels, improving crop health and yield. With the growing need for sustainable agricultural practices, the precision farming market has become essential in addressing global food security challenges. Precision farming techniques are not only revolutionizing farm management but also contributing to more eco-friendly and efficient agricultural practices.

Precision farming involves using high-tech solutions to enhance agricultural efficiency, focusing on reducing resource usage while increasing productivity. By incorporating data analytics, farmers can make informed decisions about irrigation, fertilization, and pest management. This technology-driven approach is transforming how agriculture functions, with growing adoption across the globe. The precision farming market continues to experience rapid growth, driven by the demand for higher yields and more sustainable farming methods. As precision farming evolves, it is expected to revolutionize agricultural practices, offering innovative solutions to the challenges faced by farmers.

Offering Insights

The precision farming market offers a diverse range of solutions, with hardware, software, and services playing key roles in enhancing agricultural efficiency. Hardware components, such as GPS devices, sensors, automated machinery, and drones, enable real-time monitoring and precision in farm management. These tools help farmers optimise crop yield, water usage, and soil health, driving the adoption of automation and precision technologies in farming. Meanwhile, software solutions are vital for processing data gathered from hardware devices, enabling farmers to make informed decisions based on predictive analytics and real-time farm data. Farm management software, crop monitoring, and analytics tools allow for more precise control over farming operations, ensuring improved productivity and sustainability.

Along with hardware and software, services also contribute significantly to the precision farming market. These services, including consulting, installation, support, and data analysis, help farmers optimise the use of advanced farming technologies. By offering specialised solutions and training, service providers ensure that farmers can fully leverage precision farming tools. The growing demand for customised solutions and expert assistance has boosted the service segment, playing a crucial role in facilitating the adoption of precision farming. Together, hardware, software, and services are driving the growth of this market, enabling more sustainable and efficient farming practices worldwide.

Technology Insights

The Precision Farming Market has seen significant advancements with the integration of technologies like GNSS/GPS systems, GIS, remote sensing, and Variable Rate Technology (VRT). GNSS/GPS systems enable precise field mapping, enhancing farm management by providing accurate location data for tracking equipment and optimising input application. Geographic Information Systems (GIS) further improve farm management by integrating spatial data, offering farmers insights into soil properties, crop health, and weather patterns, ultimately aiding decision-making. Remote sensing technology, which involves the use of satellites or drones, enhances monitoring capabilities by detecting crop health, pest issues, and nutrient deficiencies, allowing for more efficient interventions.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Variable Rate Technology (VRT) is another critical component of precision farming, allowing farmers to apply inputs such as seeds, fertilisers, and pesticides at varying rates across fields based on real-time data. This technology, powered by GPS and GIS, optimises resource usage by ensuring that inputs are applied where and when needed, reducing waste and cost. The combination of these technologies enhances farming practices by improving efficiency, maximising crop yields, and promoting sustainability through better resource management and reduced environmental impact. These innovations are transforming the way farmers approach field operations, pushing the boundaries of agricultural productivity.

Type Insights

Precision farming is heavily reliant on advanced technologies, with key components such as automation and control systems, sensing and monitoring devices, and farm management systems driving efficiency and productivity. Automation and control systems enable farmers to automate critical tasks like irrigation and fertilisation, reducing the need for human intervention and ensuring optimal resource usage. Sensing and monitoring devices, on the other hand, provide real-time data on environmental conditions like soil moisture and temperature, helping farmers make informed decisions on crop management and resource allocation. Together, these technologies optimise farming practices and reduce environmental impact while increasing crop yield.

Farm management systems (FMS) further enhance the precision farming process by integrating data from various sources, including sensors and weather forecasts, into a centralised platform. FMS streamlines workflow by providing real-time analytics, performance tracking, and crop management advice, ensuring better decision-making and resource management. These systems also facilitate inventory management, crop rotation planning, and activity tracking, enabling farmers to maintain operational efficiency. As technology continues to evolve, FMS are becoming smarter by incorporating machine learning and AI, enhancing the predictive capabilities of farming and helping farmers achieve sustainable and profitable outcomes.

Application Insights

Mapping in precision farming allows farmers to create detailed field maps, offering insights into spatial variations that affect crop growth. By using technologies such as GPS and remote sensing, farmers can identify areas requiring specific treatments, leading to enhanced productivity and reduced costs. This insight aids in precise soil and water management, optimizing the use of resources for increased yield. The combination of mapping and real-time data helps in better planning, leading to efficient resource allocation and improved crop outcomes.

Soil monitoring plays a crucial role in precision farming by providing real-time data on soil health and composition. By regularly assessing key parameters such as moisture content, temperature, and pH, farmers can make informed decisions on irrigation and fertilization needs. Precision irrigation is directly linked to soil monitoring, ensuring that crops receive the right amount of water at the right time. Additionally, integrating technologies like sensors and drones into soil monitoring helps improve accuracy and provides actionable insights to optimize crop yield, reduce water usage, and enhance overall farm productivity.

Regional Insights

North America Precision Farming Market

The North America precision farming market is expected to witness substantial growth due to advancements in technology and increased adoption of automated systems. The United States and Canada are leading contributors to this market, with farmers increasingly integrating smart agriculture solutions to optimize crop production, reduce resource usage, and enhance yield. The presence of major players and favorable government policies further supports market expansion in this region.

Asia Pacific Precision Farming Market

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

The Asia Pacific precision farming market is projected to experience significant growth due to the rising demand for food, limited arable land, and the growing need for sustainable agricultural practices. Countries like India, China, and Japan are adopting advanced technologies like IoT, GPS, and AI to enhance crop monitoring, soil health, and farm management. The market is also driven by increasing government support and investments in modern agricultural infrastructure.

U.S. Precision Farming Market

The U.S. precision farming market is at the forefront of innovation and adoption of advanced technologies in agriculture. The market is driven by the increasing demand for food, coupled with a need for sustainable practices and high crop productivity. Farmers in the U.S. are increasingly using technologies like drones, sensors, and GPS to monitor crops and improve yields. Strong government support for agricultural innovation further bolsters the growth of this market.

U.K. Precision Farming Market

The U.K. precision farming market is expanding rapidly, driven by the growing emphasis on sustainable agriculture and the need to increase efficiency in farming practices. Farmers in the U.K. are leveraging technologies like remote sensing, automated machinery, and farm management software to enhance crop yield and reduce environmental impact. Government subsidies and support for adopting green technologies play a significant role in accelerating the growth of this market.

Germany Precision Farming Market

Germany is one of the leading markets in Europe for precision farming, with farmers adopting smart farming technologies to improve productivity and sustainability. The German government's support for agricultural innovation, coupled with high-tech advancements in drones, sensors, and satellite systems, are driving market growth. As one of Europe's largest agricultural producers, Germany continues to lead in the integration of precision farming solutions to optimise resource usage.

France Precision Farming Market

In France, the precision farming market is growing due to the country's focus on enhancing agricultural productivity while reducing environmental impact. With a robust farming sector, France is increasingly adopting technologies such as drones, soil sensors, and autonomous equipment. The French government also supports sustainable farming practices, helping farmers transition towards precision farming methods that boost crop yield and reduce costs.

China Precision Farming Market

China's precision farming market is rapidly expanding as the country faces the challenge of feeding its large population while facing diminishing agricultural land. Precision farming technologies like drones, smart irrigation, and GPS are being increasingly adopted to improve efficiency and yield. China's large-scale agricultural sector is embracing these innovations, supported by government policies promoting sustainable and high-tech farming practices to ensure food security.

India Precision Farming Market

The precision farming market in India is experiencing growth driven by the need for increased agricultural productivity amidst limited arable land. Technologies like GPS, IoT, and drones are being adopted by farmers to optimise resource use and improve crop yields. Government schemes and support for smart farming solutions have accelerated the transition towards precision agriculture in the country, making it a key market in the Asia Pacific region.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Japan Precision Farming Market

Japan's precision farming market is witnessing growth, supported by its strong technological foundation and the demand for efficient farming practices. With a declining rural population and the need to improve food production, Japan is embracing precision farming techniques like automated machinery, sensors, and data-driven solutions to enhance crop yields and optimise farming operations. Government initiatives further encourage adoption of these advanced technologies.

Saudi Arabia (KSA) Precision Farming Market

Saudi Arabia's precision farming market is growing as the country seeks sustainable solutions to address water scarcity and optimize food production in a challenging desert environment. Advanced technologies like smart irrigation systems, drones, and sensors are helping improve agricultural output. The Saudi government is actively supporting the adoption of precision farming practices to ensure food security and reduce dependency on imports, making it a key player in the Middle East region.

Key Precision Farming Market Company Insights

The precision agriculture market key players include companies that offer related financial services and are renowned for producing equipment designed to improve farming efficiency and productivity on a global scale. These companies specialise in technologies such as GPS guidance and crop monitoring systems, which enhance agricultural sustainability. Additionally, they provide GPS, laser, and optical solutions across industries like agriculture, construction, and transportation, aiming to improve operational productivity, accuracy, and efficiency worldwide.

Trimble, Inc.

Trimble, Inc., based in Sunnyvale, California, is a global leader in precision agriculture technology. The company provides innovative solutions in GPS, IoT, and data analytics, helping farmers optimize operations, reduce costs, and improve crop yields. Trimble's advanced products and services are widely adopted in agriculture, construction, and other industries for increased productivity and efficiency.

AGCO Corporation

AGCO Corporation, headquartered in Duluth, Georgia, is a global agricultural equipment manufacturer. The company offers a wide range of machinery, including tractors, combines, and planting equipment. AGCO focuses on precision farming technologies to enhance productivity and sustainability in farming. Through brands like Massey Ferguson and Fendt, AGCO supports farmers in optimizing their operations worldwide.

AgJunction, Inc.

AgJunction, Inc., based in Hiawatha, Kansas, is a leading provider of precision agriculture solutions. The company designs and manufactures GPS-based equipment and software to enhance farm productivity. AgJunction's technologies help farmers improve efficiency, reduce waste, and manage their operations more effectively. Their products are used in applications such as steering, data collection, and yield monitoring.

Topcon Corporation

Topcon Corporation, headquartered in Tokyo, Japan, is a leader in precision agriculture and geospatial technologies. The company

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

provides advanced GPS, sensors, and data analytics solutions for farming operations. Topcon's products enable farmers to optimize crop production, manage resources efficiently, and ensure sustainability. With a focus on innovation, Topcon supports global agricultural advancements through precision technologies.

Deere and Company

Deere and Company, based in Moline, Illinois, is a renowned manufacturer of agricultural equipment. Famous for its John Deere brand, the company produces tractors, harvesters, and precision farming technologies. Deere's smart equipment, supported by GPS and data analytics, enhances farm productivity, enabling farmers to optimize operations, improve yields, and reduce costs across the globe.

DICKEY-john Corporation

DICKEY-john Corporation, located in Auburn, Illinois, specializes in providing electronic products and systems for precision agriculture. Their offerings include sensors, controllers, and monitors that help farmers accurately manage their operations, from planting to harvesting. DICKY-john's technologies ensure high efficiency, quality, and sustainability in farming by delivering precise data for informed decision-making.

The Climate Corporation

The Climate Corporation, based in San Francisco, California, is a leading provider of digital agriculture solutions. Acquired by Bayer, the company offers software and tools that use data science to help farmers make better decisions. Through its Climate FieldView platform, it enables farmers to collect, visualize, and analyze farm data, optimizing crop production and resource usage.

Key Precision Farming Companies:

- AGCO Corporation
- Deere & Company
- Raven Industries, Inc.
- Trimble Inc.
- Bayer AG
- CNH Industrial America LLC.
- Farmers Edge Inc.
- Fairport Farm Software
- Granular, Inc.
- Grownetics, Inc.
- AgJunction, Inc
- Topcon Corporation
- DICKY-john Corporation
- The Climate Corporation
- IBM
- Proagrica
- Ag Leader Technology
- CropMetrics LLC
- AgEagle Aerial Systems Inc. (Agrobotix LLC)
- Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Recent Developments

February 2025

BASF launched its Xarvio Field Manager for Fruits & Veggies, initially targeting grape growers in Southern Europe, including France, Spain, Italy, and Turkey. The precision farming tool provides field-specific advice to optimise crop production. Following BASF's acquisition of Horta in 2022, the service expanded to other crops.

February 2025

North Korea launched the "Agricultural Weather 2.0" app, offering detailed weather information for farmers. The app provides village-specific forecasts, weather alerts, and climate data, helping farmers plan their activities. It also includes disaster alerts and a glossary of weather terms, with region-specific product keys for access.

November 2024

A report titled Precision Farming Technology and Best Practices in China was released at a meeting in Beijing. The report, part of a digital transformation project led by FAO and Pinduoduo, reviewed precision agriculture technologies in various sectors and examined successful practices in China, supporting sustainable agrifood systems.

September 2024

The Centre planned to invest Rs 6,000 crore in precision farming to enhance crop yields using AI, drones, and data analytics. The initiative aimed to cover 15,000 acres over five years, benefiting 60,000 farmers. Additionally, 22 Precision Farming Development Centres (PFDCs) were established to test and adapt technologies.

July 2023

Deere & Company, a global agriculture and construction equipment manufacturer announced the acquisition of Smart Apply Inc. an agriculture technology solution provider. Deere & Company is focused on using Smart Apply's precision spraying solution to assist growers in addressing the challenges related to regulatory requirements, input costs, labor, etc. The acquisition is expected to help the company attract new customers.

Global Precision Farming Market Report Segmentation

The precision farming market is rapidly evolving, driven by technological advancements aimed at enhancing crop yields and reducing resource consumption. By integrating tools like IoT sensors and AI, precision farming helps farmers make data-driven decisions for more efficient and sustainable agricultural practices, ultimately improving productivity and profitability.

Market Breakup by Technology

- GNSS/GPS Systems
- GIS
- Remote Sensing
- Variable Rate Technology (VRT)
- Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Market Breakup by Type

- Automation and Control Systems
- Sensing and Monitoring Devices
- Farm Management Systems

Market Breakup by Offering</h

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Global Precision Farming Market Analysis
 - 5.1 Key Industry Highlights
 - 5.2 Global Precision Farming Historical Market (2018-2024)
 - 5.3 Global Precision Farming Market Forecast (2025-2034)
 - 5.4 Global Precision Farming Market by Technology
 - 5.4.1 GNSS/GPS Systems
 - 5.4.1.1 Historical Trend (2018-2024)
 - 5.4.1.2 Forecast Trend (2025-2034)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.4.2 GIS
 - 5.4.2.1 Historical Trend (2018-2024)
 - 5.4.2.2 Forecast Trend (2025-2034)
- 5.4.3 Remote Sensing
 - 5.4.3.1 Historical Trend (2018-2024)
 - 5.4.3.2 Forecast Trend (2025-2034)
- 5.4.4 Variable Rate Technology (VRT)
 - 5.4.4.1 Historical Trend (2018-2024)
 - 5.4.4.2 Forecast Trend (2025-2034)
- 5.4.5 Others
- 5.5 Global Precision Farming Market by Type
 - 5.5.1 Automation and Control Systems
 - 5.5.1.1 Historical Trend (2018-2024)
 - 5.5.1.2 Forecast Trend (2025-2034)
 - 5.5.2 Sensing and Monitoring Devices
 - 5.5.2.1 Historical Trend (2018-2024)
 - 5.5.2.2 Forecast Trend (2025-2034)
 - 5.5.3 Farm Management Systems
 - 5.5.3.1 Historical Trend (2018-2024)
 - 5.5.3.2 Forecast Trend (2025-2034)
- 5.6 Global Precision Farming Market by Offering
 - 5.6.1 Hardware
 - 5.6.1.1 Historical Trend (2018-2024)
 - 5.6.1.2 Forecast Trend (2025-2034)
 - 5.6.2 Software
 - 5.6.2.1 Historical Trend (2018-2024)
 - 5.6.2.2 Forecast Trend (2025-2034)
 - 5.6.3 Services
 - 5.6.3.1 Historical Trend (2018-2024)
 - 5.6.3.2 Forecast Trend (2025-2034)
- 5.7 Global Precision Farming Market by Application
 - 5.7.1 Mapping
 - 5.7.1.1 Historical Trend (2018-2024)
 - 5.7.1.2 Forecast Trend (2025-2034)
 - 5.7.2 Soil Monitoring
 - 5.7.2.1 Historical Trend (2018-2024)
 - 5.7.2.2 Forecast Trend (2025-2034)
 - 5.7.3 Precision Irrigation
 - 5.7.3.1 Historical Trend (2018-2024)
 - 5.7.3.2 Forecast Trend (2025-2034)
 - 5.7.4 Yield Monitoring
 - 5.7.4.1 Historical Trend (2018-2024)
 - 5.7.4.2 Forecast Trend (2025-2034)
 - 5.7.5 Field Mapping
 - 5.7.5.1 Historical Trend (2018-2024)
 - 5.7.5.2 Forecast Trend (2025-2034)
 - 5.7.6 Crop Scouting

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.7.6.1 Historical Trend (2018-2024)
- 5.7.6.2 Forecast Trend (2025-2034)
- 5.7.7 Weather Tracking & Forecasting
 - 5.7.7.1 Historical Trend (2018-2024)
 - 5.7.7.2 Forecast Trend (2025-2034)
- 5.7.8 Irrigation Management
 - 5.7.8.1 Historical Trend (2018-2024)
 - 5.7.8.2 Forecast Trend (2025-2034)
- 5.7.9 Inventory Management
 - 5.7.9.1 Historical Trend (2018-2024)
 - 5.7.9.2 Forecast Trend (2025-2034)
- 5.7.10 Farm Labor Management
 - 5.7.10.1 Historical Trend (2018-2024)
 - 5.7.10.2 Forecast Trend (2025-2034)
- 5.8 Global Precision Farming Market by Region
 - 5.8.1 North America
 - 5.8.1.1 Historical Trend (2018-2024)
 - 5.8.1.2 Forecast Trend (2025-2034)
 - 5.8.2 Europe
 - 5.8.2.1 Historical Trend (2018-2024)
 - 5.8.2.2 Forecast Trend (2025-2034)
 - 5.8.3 Asia Pacific
 - 5.8.3.1 Historical Trend (2018-2024)
 - 5.8.3.2 Forecast Trend (2025-2034)
 - 5.8.4 Latin America
 - 5.8.4.1 Historical Trend (2018-2024)
 - 5.8.4.2 Forecast Trend (2025-2034)
 - 5.8.5 Middle East and Africa
 - 5.8.5.1 Historical Trend (2018-2024)
 - 5.8.5.2 Forecast Trend (2025-2034)
- 6 North America Precision Farming Market Analysis
 - 6.1 United States of America
 - 6.1.1 Historical Trend (2018-2024)
 - 6.1.2 Forecast Trend (2025-2034)
 - 6.2 Canada
 - 6.2.1 Historical Trend (2018-2024)
 - 6.2.2 Forecast Trend (2025-2034)
- 7 Europe Precision Farming Market Analysis
 - 7.1 United Kingdom
 - 7.1.1 Historical Trend (2018-2024)
 - 7.1.2 Forecast Trend (2025-2034)
 - 7.2 Germany
 - 7.2.1 Historical Trend (2018-2024)
 - 7.2.2 Forecast Trend (2025-2034)
 - 7.3 France
 - 7.3.1 Historical Trend (2018-2024)
 - 7.3.2 Forecast Trend (2025-2034)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.4 Italy
 - 7.4.1 Historical Trend (2018-2024)
 - 7.4.2 Forecast Trend (2025-2034)
- 7.5 Others
- 8 Asia Pacific Precision Farming Market Analysis
 - 8.1 China
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
 - 8.2 Japan
 - 8.2.1 Historical Trend (2018-2024)
 - 8.2.2 Forecast Trend (2025-2034)
 - 8.3 India
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
 - 8.4 ASEAN
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
 - 8.5 Australia
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
 - 8.6 Others
- 9 Latin America Precision Farming Market Analysis
 - 9.1 Brazil
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Argentina
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)
 - 9.3 Mexico
 - 9.3.1 Historical Trend (2018-2024)
 - 9.3.2 Forecast Trend (2025-2034)
 - 9.4 Others
- 10 Middle East and Africa Precision Farming Market Analysis
 - 10.1 Saudi Arabia
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
 - 10.2 United Arab Emirates
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
 - 10.3 Nigeria
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
 - 10.4 South Africa
 - 10.4.1 Historical Trend (2018-2024)
 - 10.4.2 Forecast Trend (2025-2034)
 - 10.5 Others
- 11 Market Dynamics

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 11.1 SWOT Analysis
 - 11.1.1 Strengths
 - 11.1.2 Weaknesses
 - 11.1.3 Opportunities
 - 11.1.4 Threats
- 11.2 Porter's Five Forces Analysis
 - 11.2.1 Supplier's Power
 - 11.2.2 Buyer's Power
 - 11.2.3 Threat of New Entrants
 - 11.2.4 Degree of Rivalry
 - 11.2.5 Threat of Substitutes
- 11.3 Key Indicators for Demand
- 11.4 Key Indicators for Price
- 12 Value Chain Analysis
- 13 Competitive Landscape
 - 13.1 Supplier Selection
 - 13.2 Key Global Players
 - 13.3 Key Regional Players
 - 13.4 Key Player Strategies
 - 13.5 Company Profiles
 - 13.5.1 AGCO Corporation
 - 13.5.1.1 Company Overview
 - 13.5.1.2 Product Portfolio
 - 13.5.1.3 Demographic Reach and Achievements
 - 13.5.1.4 Financial Summary
 - 13.5.1.5 Certifications
 - 13.5.2 Deere & Company
 - 13.5.2.1 Company Overview
 - 13.5.2.2 Product Portfolio
 - 13.5.2.3 Demographic Reach and Achievements
 - 13.5.2.4 Financial Summary
 - 13.5.2.5 Certifications
 - 13.5.3 Raven Industries, Inc.
 - 13.5.3.1 Company Overview
 - 13.5.3.2 Product Portfolio
 - 13.5.3.3 Demographic Reach and Achievements
 - 13.5.3.4 Financial Summary
 - 13.5.3.5 Certifications
 - 13.5.4 Trimble Inc.
 - 13.5.4.1 Company Overview
 - 13.5.4.2 Product Portfolio
 - 13.5.4.3 Demographic Reach and Achievements
 - 13.5.4.4 Financial Summary
 - 13.5.4.5 Certifications
 - 13.5.5 Bayer AG
 - 13.5.5.1 Company Overview
 - 13.5.5.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 13.5.5.3 Demographic Reach and Achievements
- 13.5.5.4 Financial Summary
- 13.5.5.5 Certifications
- 13.5.6 CNH Industrial America LLC.
- 13.5.6.1 Company Overview
- 13.5.6.2 Product Portfolio
- 13.5.6.3 Demographic Reach and Achievements
- 13.5.6.4 Financial Summary
- 13.5.6.5 Certifications
- 13.5.7 Farmers Edge Inc.
- 13.5.7.1 Company Overview
- 13.5.7.2 Product Portfolio
- 13.5.7.3 Demographic Reach and Achievements
- 13.5.7.4 Financial Summary
- 13.5.7.5 Certifications
- 13.5.8 Fairport Farm Software
- 13.5.8.1 Company Overview
- 13.5.8.2 Product Portfolio
- 13.5.8.3 Demographic Reach and Achievements
- 13.5.8.4 Financial Summary
- 13.5.8.5 Certifications
- 13.5.9 Granular, Inc.
- 13.5.9.1 Company Overview
- 13.5.9.2 Product Portfolio
- 13.5.9.3 Demographic Reach and Achievements
- 13.5.9.4 Financial Summary
- 13.5.9.5 Certifications
- 13.5.10 Grownetics, Inc.
- 13.5.10.1 Company Overview
- 13.5.10.2 Product Portfolio
- 13.5.10.3 Demographic Reach and Achievements
- 13.5.10.4 Financial Summary
- 13.5.10.5 Certifications
- 13.5.11 AgJunction, Inc
- 13.5.11.1 Company Overview
- 13.5.11.2 Product Portfolio
- 13.5.11.3 Demographic Reach and Achievements
- 13.5.11.4 Financial Summary
- 13.5.11.5 Certifications
- 13.5.12 Topcon Corporation
- 13.5.12.1 Company Overview
- 13.5.12.2 Product Portfolio
- 13.5.12.3 Demographic Reach and Achievements
- 13.5.12.4 Financial Summary
- 13.5.12.5 Certifications
- 13.5.13 DICKEY-john Corporation
- 13.5.13.1 Company Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 13.5.13.2 Product Portfolio
- 13.5.13.3 Demographic Reach and Achievements
- 13.5.13.4 Financial Summary
- 13.5.13.5 Certifications
- 13.5.14 The Climate Corporation
 - 13.5.14.1 Company Overview
 - 13.5.14.2 Product Portfolio
 - 13.5.14.3 Demographic Reach and Achievements
 - 13.5.14.4 Financial Summary
 - 13.5.14.5 Certifications
- 13.5.15 IBM
 - 13.5.15.1 Company Overview
 - 13.5.15.2 Product Portfolio
 - 13.5.15.3 Demographic Reach and Achievements
 - 13.5.15.4 Financial Summary
 - 13.5.15.5 Certifications
- 13.5.16 Proagrica
 - 13.5.16.1 Company Overview
 - 13.5.16.2 Product Portfolio
 - 13.5.16.3 Demographic Reach and Achievements
 - 13.5.16.4 Financial Summary
 - 13.5.16.5 Certifications
- 13.5.17 Ag Leader Technology
 - 13.5.17.1 Company Overview
 - 13.5.17.2 Product Portfolio
 - 13.5.17.3 Demographic Reach and Achievements
 - 13.5.17.4 Financial Summary
 - 13.5.17.5 Certifications
- 13.5.18 CropMetrics LLC
 - 13.5.18.1 Company Overview
 - 13.5.18.2 Product Portfolio
 - 13.5.18.3 Demographic Reach and Achievements
 - 13.5.18.4 Financial Summary
 - 13.5.18.5 Certifications
- 13.5.19 AgEagle Aerial Systems Inc. (Agribotix LLC)
 - 13.5.19.1 Company Overview
 - 13.5.19.2 Product Portfolio
 - 13.5.19.3 Demographic Reach and Achievements
 - 13.5.19.4 Financial Summary
 - 13.5.19.5 Certifications
- 13.5.20 Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Precision Farming Market Growth Analysis - Market Size, Share, Forecast Trends and Outlook Report (2025-2034)

Market Report | 2025-08-13 | 179 pages | EMR Inc.

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3599.00
	Five User License	\$4249.00
	Corporate License	\$5099.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-10"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

