

## **United States Precision Farming Software Market Size, Share and Growth Analysis Report: Forecast Trends and Outlook 2025-2034**

Market Report | 2025-06-29 | 119 pages | EMR Inc.

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### **Report description:**

The United States precision farming software market was valued at USD 2.88 Billion in 2024. The industry is expected to grow at a CAGR of 11.30% during the forecast period of 2025-2034 to attain a valuation of USD 8.40 Billion by 2034.

### United States Precision Farming Software Market Outlook

The market for precision farming software in United States is being driven by the integration of technologies such as GPS, IoT sensors, drones, and machine learning. As per industry reports, use of GPS mapping can result in increased operational profits by around 3% on farms of corn crops. Similarly, yield monitoring software are being used by 70-80% of the large farms in US to address the challenges of food security and ensure optimal yields. Companies like Trimble Inc. and Granular, Inc. provide such software and help influence United States precision farming software market dynamics and trends.

In addition, a prominent decline of 18% in employment in agricultural sector of US over the past decade has resulted in rising adoption of precision farming software. These software aid farmers to manage larger farms more effectively, despite a shrinking labour force, leading to growth of the United States precision farming software market. Moreover, the government of US is encouraging precision agriculture through subsidies and educational awareness, which has further promoted the adoption of precision farming software. Use of such software also aligns with the trend of sustainable agricultural practices, resulting in improved productivity.

### Investments in Advanced Agricultural Technologies is One of the Main United States Precision Farming Software Market Trends

- In the market from 2025 to 2034, the Far West region is expected to lead with the highest CAGR of 13.1%, driven by significant investments in advanced agricultural technologies and the increasing adoption of precision farming practices.
- The Rocky Mountain region follows with a CAGR of 12.2%, supported by a growing emphasis on sustainable agriculture and the

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integration of modern farm management solutions.

- The Southwest, with a CAGR of 11.6%, benefits from expanding agricultural activities and the adoption of innovative software tools to enhance productivity.
- The Southeast region, growing at a CAGR of 11.2%, shows steady precision farming software demand growth in United States due to the rising demand for efficient farm management systems and the increasing use of technology in agriculture.
- New England and the Mideast regions exhibit moderate growth with CAGRs of 10.5% and 9.7%, respectively, reflecting their established agricultural markets with ongoing technological advancements.
- The Plains and Great Lakes regions, with CAGRs of 9.0% and 8.5%, respectively, experience slower growth due to smaller agricultural sectors and less aggressive adoption of farm management software.

#### Use of Cloud-Based and Web-Based Software in Managing Agricultural Operations is Driving United States Precision Farming Software Market Growth

From 2025 to 2034, cloud-based software is anticipated to experience the highest growth, with a CAGR of 12.4%, driven by the increasing shift towards scalable, flexible, and cost-effective solutions that allow for real-time data access and management. As per United States precision farming software industry analysis, web-based software, with a CAGR of 10.2%, shows steady growth as it remains a reliable option for many agricultural operations, especially in areas with stable internet access.

#### Rising Demand for Crop Management and Weather Tracking Applications is Increasing United States Precision Farming Software Market Share

- In the market from 2025 to 2034, crop management applications are expected to lead with a CAGR of 12.4%, driven by the increasing need for efficient resource management, yield optimization, and the adoption of precision agriculture techniques.
- Weather tracking applications, with a CAGR of 12.0%, continue to show strong growth as accurate weather data becomes crucial for informed decision-making in farming.
- Inventory management, with a CAGR of 10.8%, experiences moderate growth due to the growing importance of supply chain efficiency and inventory control in agriculture.
- Financial management applications, with a CAGR of 10.2%, contribute to United States precision farming software market revenue as farmers increasingly adopt financial planning tools to manage costs and improve profitability.

#### Key Questions Answered in the Report:

- How has the United States precision farming software market performed historically, and what are the growth expectations for the future?
- What are the primary factors influencing demand and growth in the United States precision farming software market?
- What are the key segments within the United States precision farming software market, and how are they expected to evolve over the forecast period?
- What are the major challenges and opportunities facing stakeholders in the United States precision farming software market?
- Who are the key players in the United States precision farming software market, and what strategies are they employing to maintain a competitive edge?
- What are the regulatory and policy factors influencing the United States precision farming software market globally or regionally?
- How competitive is the United States precision farming software market according to Porter's five forces analysis, including factors like bargaining power of buyers and suppliers?
- What are the current trends shaping the United States precision farming software market landscape, and how are they expected to evolve in the future?
- How are technological advancements impacting the United States precision farming software market, and what role do

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innovation and R&D play in driving growth?

- What are the consumer preferences and buying behavior trends influencing the United States precision farming software market?
- How sustainable are current growth rates in the United States precision farming software market, and what factors could potentially disrupt these trends?
- What are the regional dynamics within the United States precision farming software market, and how do they contribute to overall market growth?
- What are the economic factors influencing the United States precision farming software market, such as GDP growth, inflation rates, and currency fluctuations?
- How are demographic shifts, such as aging populations or urbanization trends, affecting demand in the United States precision farming software market?
- What are the key strategic partnerships, mergers, and acquisitions shaping the competitive landscape of the United States precision farming software market?
- What are the regulatory and legal frameworks impacting the United States precision farming software market globally or in key regions?
- How are changing consumer lifestyles and preferences influencing product or service demand within the United States precision farming software market?
- What are the emerging market trends and niche opportunities within the United States precision farming software market that stakeholders should be aware of?
- How resilient is the United States precision farming software market to external shocks or disruptions, such as geopolitical tensions or natural disasters?
- What are the potential barriers to market entry and growth for new players in the United States precision farming software market?

Key Benefits for Stakeholders:

Expert Market Research's industry report provides a comprehensive quantitative analysis of various market segments, historical and current market trends, and forecasts the dynamics of the United States precision farming software market spanning from 2018 to 2034.

The research report delivers up-to-date insights into the market drivers, challenges, and opportunities shaping the United States precision farming software market.

Stakeholders can leverage Porter's five forces analysis to assess the impact of new entrants, competitive rivalry, supplier power, buyer power, and the threat of substitution. This analysis aids in evaluating the competitiveness and attractiveness of the United States precision farming software market.

The competitive landscape section enables stakeholders to gain a deep understanding of their competitive environment. It offers insights into the current market positions of key players, their strategies, and their market shares.

Additionally, the report highlights emerging trends, regulatory influences, and technological advancements that are pivotal for stakeholders navigating the United States precision farming software market landscape.

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