

Farm Management Software Market by Application (Precision Farming, Livestock, Aquaculture, Forestry, Smart Greenhouses), Offering (On-cloud, On-premise, Data Analytics Services), Farm Size, Farm Production and Region - Global Forecast to 2029

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Abstracts

The Farm Management Software Market is projected to reach from USD 3.4 billion in 2024 to USD 5.8 billion by 2029; it is expected to grow at a CAGR of 11.0% from 2024 to 2029. The farm management software market is poised for significant growth, driven by the uptake of cutting-edge technologies and modern farming methodologies such as cloud services, mobile applications, data analysis tools, and high-speed imagery services. Precision agriculture stands out as a burgeoning application within farm management software, owing to its capacity to enhance crop quality, optimize resource utilization, and curtail input expenses. With the global population continuing to expand, precision agriculture is set to assume a progressively vital role in guaranteeing food security and sustainability.

Key players operating in the farm management software market are AGRIVI (UK), Trimble Inc. (US), Granular Inc. (US), Raven Industries, Inc. (US), TOPCON CORPORATION (Japan), AgJunction LLC (US).

“The data analytics services offering is projected to grow at the highest CAGR during the forecast period.”

The growth of data analytics services within farm management software is anticipated to outpace other segments, primarily fueled by the escalating demand for precision farming techniques. Precision farming, which leverages IoT and ICT to optimize yields and preserve resources, is driving this trend. Furthermore, the increasing need for real-

time data management facilitated by cloud computing, government initiatives supporting the adoption of modern agricultural practices, and the expanding utilization of agriculture software to enhance farm efficiencies collectively contribute to the growth of cloud-based farm management software.

“The production planning segment is projected to have the highest growth during the forecast period.”

Production planning is becoming increasingly important within farm management software, as it aids farmers in optimizing crop yields, minimizing waste, and enhancing efficiency. Considering the rising global population and the consequent heightened demand for food, farmers are increasingly adopting advanced technologies to manage their farming operations. Moreover, farm management software plays a crucial role in enabling farmers to utilize inputs more efficiently and effectively, thereby reducing input costs.

“Asia Pacific region is likely to grow at the highest CAGR.”

In the Asia-Pacific region, there is a noticeable increase in the adoption of precision farming techniques, leveraging data and technology to enhance agricultural efficiency. Farm management software serves as a critical tool in facilitating precision farming practices. With Asia-Pacific substantial and expanding population, there is a growing demand for food, placing significant pressure on the agriculture sector to boost productivity. Moreover, governments in Asia-Pacific are supporting the adoption of agricultural technologies, including farm management software.

Breakdown of primaries

The study contains insights from various industry experts, ranging from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type - Tier 1 – 20%, Tier 2 – 45%, Tier 3 – 35%

By Designation— C-level Executives - 35%, Directors - 25%, Others – 40%

By Region—Americas - 45%, Europe - 25%, Asia Pacific - 20%, RoW - 10%

The farm management software market is dominated by a few globally established

players such as AGRIVI (UK), Trimble Inc. (US), Granular Inc. (US), Raven Industries, Inc. (US), TOPCON CORPORATION (Japan), AgJunction LLC (US), Agworld Pty Ltd (US), Farmers Edge Inc. (Canada), Climate LLC (US), IBM (US), Afimilk Ltd. (Israel), ABACO S.p.A. (Italy), Deere & Company (US). The study includes an in-depth competitive analysis of these key players in the farm management software market, with their company profiles, recent developments, and key market strategies.

Research Coverage:

The report segments the farm management software market and forecasts its size by offering, farm size, farm production, application, and region. The report also discusses the drivers, restraints, opportunities, and challenges pertaining to the market. It gives a detailed view of the market across four main regions—Americas, Europe, Asia Pacific, and RoW. Supply chain analysis has been included in the report, along with the key players and their competitive analysis in the farm management software ecosystem.

Key Benefits to Buy the Report:

Analysis of Key Drivers (Rising integration of advanced technologies for real-time farm management, Increasing climate change and food security concerns, Increasing initiatives by governments pertaining to digitalization of agricultural industry, Focus on livestock monitoring and tracking health-related data in real time to increase farm efficiency, Surging adoption of advanced technologies such as IoT, RoVs, and AI in aquaculture farms). Restraints (Limited technical expertise and advanced infrastructure in developing regions, Requirement of high initial capital investment). Opportunities (Rapid adoption of smart farming technologies, Convergence of digital technologies with farming practices, Increasing use of drones and remote sensing for farm management) and Challenges (Large presence of fragmented farms in developing countries, Management of data for productive decision-making through single digital platform).

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the farm management software market.

Market Development: Comprehensive information about lucrative markets – the report analyses the farm management software market across varied regions.

Market Diversification: Exhaustive information about new software, untapped geographies, recent developments, and investments in the farm management software market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players like AGRIVI (UK), Trimble Inc. (US), Granular Inc. (US), Raven Industries, Inc. (US), TOPCON CORPORATION (Japan), AgJunction LLC (US) among others in the farm management software market.

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*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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