

Artificial Intelligence (AI) in Agriculture Market Size to Worth USD 6.96 Billion by 2030 | With a 22.3% CAGR

The Exactitude Consultancy Artificial Intelligence (AI) in Agriculture Market Report – Size, Trends, And Global Forecast 2024-2030

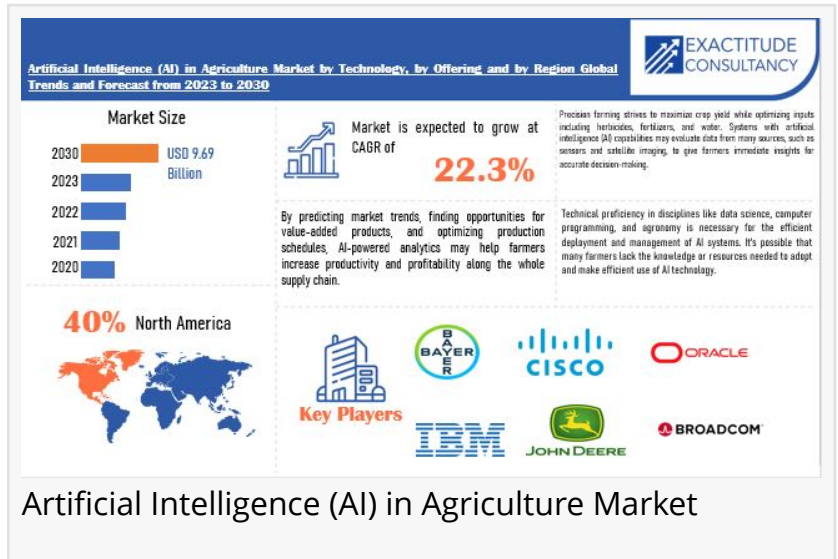
LUTON, BEDFORDSHIRE, UNITED KINGDOM, March 27, 2024

/EINPresswire.com/ -- The qualitative report published by Exactitude Consultancy research on [Artificial Intelligence \(AI\) in Agriculture](#) Market offers an in-depth examination of the current trends, latest expansions, conditions, market size, various drivers, limitations, and key players along with their profile details. The Artificial Intelligence (AI) in Agriculture market report offers the historical data for 2018 to 2023 and also makes available the forecast data from the year 2024 to 2030 which is based on revenue. With the help of all this information research report helps the Market contributors to expand their market positions.

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Unlocking efficiency: AI in Agriculture optimizes farming operations with predictive analytics, crop monitoring, and autonomous machinery, meeting rising global food demands.”

Exactitude Consultancy



With the benefit of all these explanations, this market research report recommends a business strategy for present market participants to strengthen their role in the market. This report analyzes the impact of the Covid 19 pandemic on the Artificial Intelligence (AI) in Agriculture Market from a Global and Regional perspective.

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AI in agriculture offers several advantages to farmers such as real-time insights from their fields,

monitoring soil quality, plant health, temperature, automated irrigation, and pesticide processes- all of which are helping to improve the overall harvest quality and accuracy. AI in agriculture has various applications aimed at optimizing the efficiency of crop production such as precision farming, livestock monitoring, drone analytics, agriculture robots, and labor management. Increasing crop productivity through deep learning technology driving the growth of the market.

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Ag Leader Technology, AgEagle Aerial Systems, AgJunction, Amazon Web Services Inc., Bayer AG, Blue River Technology, Broadcom, Cisco Systems, Inc., Climate Corporation, Deere & Company, FarmWise, Gamaya, Google LLC, Granular, Inc. (U.S.), IBM Corporation, John Deere, Mavrx, Oracle, FarmBot

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February 28, 2024— John Deere announces the new C-Series air cart line, providing new options for farmers focused on seeding-time productivity, quality and accuracy.

February 28, 2024 – John Deere Announces See & Spray™ Premium Availability on 2025 Hagie STS Sprayers. John Deere announces the expanded availability of one of its premier technology solutions – See & Spray™ Premium – on model-year 2025 Hagie STS sprayers. Already available as a precision upgrade on select John Deere sprayers, See & Spray Premium is an AI-powered weed-sensing system that activates individual spray nozzles when target weeds are “seen” by boom-mounted cameras.

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The Artificial Intelligence (AI) in Agriculture Market Report provides a preliminary review of the industry, definitions, classifications, and enterprise chain shape. Market analysis is furnished for the worldwide markets which include improvement tendencies, hostile view evaluation, and key regions development. Development policies and plans are discussed, and manufacturing strategies and fee systems are also analyzed.

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Machine Learning

Computer Vision Predictive Analytics

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Software AI-as-a-Service

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- North America
- Europe
- Asia Pacific
- South America
- Middle East and Africa

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North America stands out as a leading region in the AI in Agriculture market. The region boasts advanced economies with well-established agricultural sectors and a high level of technological adoption. Companies based in the United States and Canada, such as IBM Watson, Microsoft AI for Earth, and John Deere, are at the forefront of developing AI solutions for agriculture. Additionally, North America benefits from significant investments in research and development, robust infrastructure, and a favorable regulatory framework that encourages innovation in AI technologies. Europe is another dominant region in the AI in Agriculture market, characterized by a strong emphasis on sustainability and precision farming practices. Countries like Germany, the Netherlands, and the United Kingdom have thriving agricultural industries and are home to leading AI companies focusing on agriculture. European Union policies and initiatives, such as the Common Agricultural Policy (CAP) and Horizon Europe, support the adoption of AI technologies in agriculture, further fueling market growth.

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Rising need for real-time data by growers and farmers to take preventive measures

Increasing agricultural activities and the growing need for real-time data largely drive the market for AI in agriculture. Real-time data from agricultural farms help make prompt decisions regarding preventive measures. Farmers from North America, South America, and Europe use

sensors, drones, guidance technologies, and soil sampling techniques to gather data on soil moisture and nutrient levels across their fields. Farmers and growers from the US, Canada, Brazil, and most Western European countries are turning to high-tech tools for data collection and data analysis. Drone-enabled scouting is one of the most convenient ways of collecting farm data.

Government schemes encouraging the adoption of AI solutions to manage small farms

There are over 570 million farms worldwide, and 95% of all these farms are less than 5 hectares in size. AI solutions are predominantly implemented in farms with over 100 hectares of land. This can be attributed to the high initial investment required for implementing AI solutions. Farmers owning lands over 100 hectares generally can invest in AI-based solutions for farm management and other applications. However, with governments around the world supporting the use of AI for agricultural applications and providing aid to farmers with small farms, there is an opportunity for solution providers to focus on farms with less than 5 hectares of land. For instance, in the US, the Department of Agriculture provides small and mid-size producers with programs that avail farmers with easy loans and improve their technological know-how to use the best technology for farming.

High cost of AI-driven precision farming equipment

The major restraining factor for the AI in agricultural market is the high cost of AI-enabled farming products and solutions, including sensors, software, and robots. Many factors are responsible for the high cost of gathering precise field data. For instance, companies develop AI-powered solutions or platforms according to customer requirements. They offer AI-powered prebuilt and custom-built solutions such as analytics systems, virtual assistants, and chatbots. Similarly, AI features and AI management are also important factors that incur additional costs.

Availability of limited workforce with technological expertise

Artificial intelligence (AI) is a complex system, and for developing, managing, and successfully implementing AI systems, farmers require certain skill sets. For instance, people dealing with AI systems should know about technologies such as cognitive computing, machine learning, deep learning, and image recognition. In addition, the integration of AI solutions in existing systems is a difficult task that requires extensive data processing to replicate the behavior of a human brain. Even a minor error can result in system failure or adversely affect the desired result.

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- Detailed overview of The Artificial Intelligence (AI) in Agriculture market.
- Changing market dynamics of the industry.

- In-depth market breakdown by Type, Application, etc.
- Historic, existing, and predictable market size in terms of extent and worth.
- Recent manufacturing trends and developments.
- Competitive landscape of The Artificial Intelligence (AI) in Agriculture market.
- Approaches to significant performers and product help.
- Prospective and niche sectors/regions exhibiting promising growth.

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- To analyze and forecast the market size of Artificial Intelligence (AI) in Agriculture in the global market.
- To study the global key players, SWOT analysis, value, and market share of the global Artificial Intelligence (AI) in Agriculture for key players.
- Determine, explain, and forecast the market by type, end-use, and region.
- Analyze market potential and advantage, opportunity and challenge, constraints and risks of key global regions.
- Discover significant trends and factors driving or restricting market growth.
- Analyze opportunities in the market for stakeholders, identifying high-growth segments.
- Critically analyze each submarket in terms of individual growth trends and its contribution to the market.
- Understand competitive developments such as agreements, expansions, new launches products, and market holdings.
- Strategically outline key players and comprehensively analyze their growth strategies.

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Chapter 1: Introduction, Market Drivers Product Research, and Research Objectives Scope Artificial Intelligence (AI) in Agriculture Market

Chapter 2: Exclusive Summary – Basic Information of Artificial Intelligence (AI) in Agriculture Market

Chapter 3: Displaying Market Dynamics – Drivers, Trends, and Challenges of Artificial Intelligence (AI) in Agriculture

Chapter 4: Artificial Intelligence (AI) in Agriculture Market Factor Analysis Presentation Porters Five Forces, Supply/Value Chain, PESTEL Analysis, Market Entropy, Patent/Trademark Analysis.

Chapter 5: Display by Type, End-User, and County 2024-2030

Chapter 6: Assessment of Major Manufacturers in Artificial Intelligence (AI) in Agriculture Market Comprising Competitive Landscape, and Company Profiles

Chapter 7: To evaluate the Market by segments, countries, and manufacturers, with revenue share and sales by main countries for these different regions.

Chapters 8 and 9: Appendix, Methodology, and Data Source Display

Conclusion: All findings and estimates are provided at the end of the Artificial Intelligence (AI) in Agriculture Market report. It also includes key drivers and opportunities along with regional analysis. The segment analysis is also provided in terms of type and application.

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What guidelines are followed by key performers to contest this Covid-19 condition?
What are the important matters drivers, opportunities, challenges, and dangers of the market? will face surviving?
Which are the essential market players in the Artificial Intelligence (AI) in Agriculture industry?
What is the forecast compound annual growth rate (CAGR) of the global market for the duration of the forecast period (2024-2030)?
What could be the anticipated value of the Artificial Intelligence (AI) in Agriculture marketplace during the forecast period?

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