

# Global Automotive Roof Racks Market 2023

<https://marketpublishers.com/r/G03E30625B05EN.html>

Date: August 2023

Pages: 87

Price: US\$ 2,150.00 (Single User License)

ID: G03E30625B05EN

## Abstracts

Artificial intelligence (AI) in agriculture refers to the application of advanced technologies, including machine learning, computer vision, and data analytics, to improve agricultural practices and optimize farming operations. It involves the use of algorithms and models that analyze agricultural data, such as weather patterns, soil conditions, crop health, and pest infestations, to provide insights and make informed decisions for efficient farming.

According to the latest research, the global AI in agriculture market is poised to grow by USD 3.4 billion during 2023-2029, progressing at a CAGR of 19.18% during the forecast period. The growing global population and the need for sustainable food production are significant drivers for AI in Agriculture. AI technologies can help optimize crop yields, reduce resource wastage, and improve overall farm productivity. Precision farming practices, such as precision planting, irrigation, and nutrient management, are also driving the adoption of AI in agriculture. AI algorithms can analyze data from sensors, drones, and satellites to provide real-time insights and enable precise decision-making for crop management.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global AI in agriculture market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

### Market Segmentation

Product type: application programming interface (API), user interface (UI)

Mode of deployment: on-cloud deployment, on-premises deployment, edge deployment, hybrid deployment

Application: yield optimization, aquaculture management, livestock monitoring, data analytics

Region: Asia-Pacific, Europe, North America, Middle East and Africa (MEA), South America

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product type, mode of deployment, application, and region. The global market for AI in agriculture can be segmented by product type: application programming interface (API), user interface (UI). The user interface (UI) segment was the largest contributor to the global AI in agriculture market in 2022. AI in agriculture market is further segmented by mode of deployment: on-cloud deployment, on-premises deployment, edge deployment, hybrid deployment. According to the research, the on-cloud deployment segment had the largest share in the global AI in agriculture market. Based on application, the AI in agriculture market is segmented into: yield optimization, aquaculture management, livestock monitoring, data analytics. The yield optimization segment held the largest revenue share in 2022. On the basis of region, the AI in agriculture market also can be divided into: Asia-Pacific, Europe, North America, Middle East and Africa (MEA), South America. Globally, North America made up the largest share of the AI in agriculture market.

#### Major Companies and Competitive Landscape

The report explores the recent developments and profiles of key vendors in the Global Artificial Intelligence in Agriculture Market, including Alibaba Group Holding Limited, Ceres Imaging Inc., Climate LLC, CNH Industrial N.V., Connecterra B.V., CropIn Technology Solutions Pvt Ltd., Deere & Company, Granular Inc., IBM Corporation, Microsoft Corporation, PEAT GmbH, PrecisionHawk, Inc., SZ DJI Technology Co., Ltd., XpertSea Solutions Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

#### Scope of the Report

To analyze and forecast the market size of the global AI in agriculture market.

To classify and forecast the global AI in agriculture market based on product type, mode of deployment, application, region.

To identify drivers and challenges for the global AI in agriculture market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global AI in agriculture market.

To identify and analyze the profile of leading players operating in the global AI in agriculture market.

### Why Choose This Report

Gain a reliable outlook of the global AI in agriculture market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

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