

Global Autonomous Crop Management Market Size study & Forecast, by Solution (Software, Services), by Application (Crop tracking and management, Weather Tracking & Forecasting, Irrigation Management, Labor and Resource Tracking, Others), by Deployment (On-premises, Cloud-based) and Regional Analysis, 2022-2029

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Abstracts

Global Autonomous Crop Management Market is valued at approximately USD 1.45 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 16.2% over the forecast period 2022-2029. Autonomous crop management is a method of collecting agricultural data in order to improve crop growth, production, and development by utilizing advanced technologies and software. The increasing number of governments initiatives about the digitalization of the agricultural industry, rising concerns about climate change and food security, and high integration of artificial intelligence and machine learning are some chief factors that are fostering market growth worldwide.

The escalating global population is resulting in rising demand for food that is directly influencing market growth across the globe. As per the World Bank, the population around the world was recorded at 7.84 billion in 2021 an increase from 7.6 billion in 2018. Also, the United Nations Food and Agriculture Organization (FAO) estimated that 70% of world food production is anticipated to increase by 2050 globally. Accordingly, the rising population is boosting demand for food that impels the need for precision farming, thus, in turn, the autonomous crop management market is anticipated to expand at a substantial rate. Moreover, the increasing introduction of innovative products by the key market players, as well as the rising adoption of smart farming

technologies are presenting various lucrative opportunities over the forecasting years. However, the dearth of technical expertise and high initial capital investment are hindering the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Autonomous Crop Management Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America dominated the market in terms of revenue, owing to the increasing technological advancements, favorable government support, and rising infrastructure development. Whereas, the Asia Pacific is also expected to grow with the highest CAGR during the forecast period, owing to factors such as the rising number of government initiatives, development of the agriculture industry, and growing awareness among cultivators in the regional market space.

Major market players included in this report are:

Trimble
Farm ERP
Conservis
Raven Industries
Topcon Corporation
Proagrica
Cropin
CropX
Microsoft Corporation (Farm Beats)
IBM (Regenerative Agriculture)

Recent Developments in the Market:

In 2020, Trimble and Ecobot- a software provider entered into a collaborative agreement to offer a quick, sub-meter accurate wetland delineation. Under this collaboration, Trimble's GNSS is intend to incorporate Ecobot's Natural Resources Platform.

Global Autonomous Crop Management Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Solution, Application, Deployment, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Solution:

Software
Services

By Application:

Crop tracking and management
Weather Tracking & Forecasting
Irrigation Management
Labor and Resource Tracking
Others

By Deployment:

On-premises
Cloud-based

By Region:

North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy

ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

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