

Global Smart Plantation Management Systems Market by Type (Irrigation Systems, Plant Growth Monitoring Systems, and Harvesting Systems), Crop (Coffee, Oilseeds, Sugarcane, and Cotton), Component (Hardware and Software), Regional Forecasts 2021-2027

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Abstracts

Global Smart Plantation Management systems Market is valued approximately at USD 1.2 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 5.8% over the forecast period 2021-2027. The smart plantation management system is an intelligent system that uses data collected by sensors to make decisions. It comprises temperature and humidity, soil moisture, and soil temperature in the greenhouse, as well as sending sensor data to the converter through wireless or cable transmission and connecting to the host computer for display, alert, and query. The use of an intelligent management system for plantation will allow for the effective and orderly management of the garden, as well as the use of real-time monitoring methods for soil conditions, ecological environment, and growth climatic factors to ensure the plant's healthy growth. Plantation management systems market growth is being driven by advancement in techniques such as data mining and farmers' adaptation of plantation intelligence, while the smart plantation management systems market is being driven by the decrease of labor and agricultural resource waste. For instance, Smart irrigation systems save around 20% more water than traditional irrigation systems, according to studies conducted by the Irrigation Association (IA) and the International Center for Water Technology (California), which is one of the major factors driving market demand. However, High Capital Investment in the Deployment of Smart Plantation Systems, may impede market growth over the forecast period of 2021-2027.

Geographically, the Asia Pacific is dominating the market shares due to the excellent climatic conditions for plantation crops are credited with this supremacy. Due to the heavy cultivation of plantation crops like as tea, sugarcane, and cotton, it has huge potential. The use of smart plantation management systems in the region is still in its early stages, but it is projected to develop rapidly, resulting in higher crop yields and better resource utilization. Due to the availability of a vast cultivation area for plantation crops, such as tea, sugarcane, and fruits, China has the largest market share.

Major market player included in this report are:

Jain Irrigation Systems
Synelixis Solutions
AG Leader Technology
AG Leader Technology
Teejet Technologies
Semiosbio Technologies
Raven Industries
Topcon Group
Agroweblab Co., Ltd
Crop Metrics

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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 Type:

Irrigation systems
Plant growth monitoring systems
Harvesting systems

By Crops:

Coffee
Oilseeds
Sugarcane
Cotton

Fruits

Others

By Components:

Hardware

Software

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

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global Smart Plantation Management systems Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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