

# Global Smart Crop Monitoring Market 2023-2029

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## Abstracts

Smart crop monitoring refers to the use of technology such as sensors, data analytics, and machine learning to monitor and manage crop growth and health in a more efficient, precise, and sustainable way. This technology can provide real-time, continuous monitoring of crops and allow farmers to identify issues early on, make targeted interventions, optimize inputs, and increase yields. Smart crop monitoring relies on a range of technologies, including soil sensors to monitor soil moisture and fertility, weather sensors to collect data on temperature, rainfall, and wind, drones to conduct aerial surveys of crops, and satellite imaging to provide a broader view of crop conditions. According to the latest data, the market size of the global smart crop monitoring sector is expected to rise by USD 2.5 billion with a CAGR of 12.43% by the end of 2029.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global smart crop monitoring 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.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the type, technology, application, and region. The global market for smart crop monitoring can be segmented by type: hardware, software, services. Globally, the services segment made up the largest share of the smart crop monitoring market. Smart crop monitoring market is further segmented by technology: sensing and imagery, automation and robotics, variable-rate technology, guidance technology. The guidance technology segment captured the largest share of the market in 2022. Based on application, the smart crop monitoring market is segmented into: soil monitoring, weather forecasting, yield monitoring, crop protection, others. According to

the research, the crop protection segment had the largest share in the global smart crop monitoring market. On the basis of region, the smart crop monitoring market also can be divided into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. North America held the largest revenue share in 2022.

### Market Segmentation

By type: hardware, software, services

By technology: sensing and imagery, automation and robotics, variable-rate technology, guidance technology

By application: soil monitoring, weather forecasting, yield monitoring, crop protection, others

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The global smart crop monitoring market report offers detailed information on several market vendors, including AGCO Corporation, Agrivi Ltd., Airbus SE, Alibaba Group Holding Limited, Claas KGaA mbH, Climate LLC, CNH Industrial N.V., Deere & Company, IBM Corporation, Kubota Corporation, Microsoft Corporation, Robert Bosch GmbH, Trimble Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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### Scope of the Report

To analyze and forecast the market size of the global smart crop monitoring market.

To classify and forecast the global smart crop monitoring market based on type, technology, application, region.

To identify drivers and challenges for the global smart crop monitoring market.

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

To identify and analyze the profile of leading players operating in the global smart crop monitoring market.

### Why Choose This Report

Gain a reliable outlook of the global smart crop monitoring 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.

Print authentication provided for the single-user license.

## Contents

### **PART 1. INTRODUCTION**

Report description  
Objectives of the study  
Market segment  
Years considered for the report  
Currency  
Key target audience

### **PART 2. METHODOLOGY**

### **PART 3. EXECUTIVE SUMMARY**

### **PART 4. MARKET OVERVIEW**

Introduction  
Drivers  
Restrains

### **PART 5. MARKET BREAKDOWN BY TYPE**

Hardware  
Software  
Services

### **PART 6. MARKET BREAKDOWN BY TECHNOLOGY**

Sensing and imagery  
Automation and robotics  
Variable-rate technology  
Guidance technology

### **PART 7. MARKET BREAKDOWN BY APPLICATION**

Soil monitoring  
Weather forecasting  
Yield monitoring

Crop protection  
Others

## **PART 8. MARKET BREAKDOWN BY REGION**

North America  
Europe  
Asia-Pacific  
MEA (Middle East and Africa)  
Latin America

## **PART 9. KEY COMPANIES**

AGCO Corporation  
Agrivi Ltd.  
Airbus SE  
Alibaba Group Holding Limited  
Claas KGaA mbH  
Climate LLC  
CNH Industrial N.V.  
Deere & Company  
IBM Corporation  
Kubota Corporation  
Microsoft Corporation  
Robert Bosch GmbH  
Trimble Inc.

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