

# **Asia Pacific Precision Farming Market Forecast to 2031 - Regional Analysis - by Offering (Hardware, Software, and Services) and Application (Yield Monitoring, Crop Scouting, Field Mapping, Inventory Management, Weather Tracking and Forecasting, and Others)**

<https://marketpublishers.com/r/A9E2B04122B7EN.html>

Date: March 2025

Pages: 90

Price: US\$ 3,450.00 (Single User License)

ID: A9E2B04122B7EN

## **Abstracts**

The Asia Pacific precision farming market was valued at US\$ 2,335.28 million in 2023 and is expected to reach US\$ 6,907.72 million by 2031; it is estimated to register a CAGR of 14.5% from 2023 to 2031.

### **Growing Demand for Agricultural Robots Boosts Asia Pacific Precision Farming Market**

An agricultural robot is a robotic device that can advance agricultural processes by taking over many farmer's duties that are labor-intensive. Agriculture robots make many applications faster, simpler, more precise, and effective. Driverless tractors, drones for data collection and crop monitoring, automated irrigation and harvesting, autonomous precision seedings, are a few of the frequently used agricultural robots for crop farming, soil management, and livestock production. Furthermore, various companies offer agricultural robots for farming, harvesting, picking, and weeding purposes. For example, Tortuga AgTech and Harvest Automation provide farm robots, while Harvest CROO offers harvesting robots. Moreover, various companies continue to launch agricultural robots worldwide. For instance, Solinftec, a global leader in artificial intelligence solutions and sustainable agricultural practices, announced the launch of its Solix Sprayer Robot and that it is commercially available to farmers, cooperatives and Ag retailers. Thus, the growing adoption and launch of agricultural robots are expected to provide opportunities for the precision farming market growth during the forecast

period.

## Asia Pacific Precision Farming Market Overview

Key factors such as the increasing use of cloud-based technology, the adoption of modern farming techniques to enhance productivity, and the growing food demand drive the growth of precision agriculture in Asia Pacific. Additionally, government initiatives aimed at increasing the usage of modern technologies in agriculture are playing a significant role in propelling market growth. In many developing countries in Asia Pacific, the majority of farmers are smallholders who operate small farms crucial for food security in a few of the region's underprivileged areas. These farmers often rely on generic recommendations or historical information to make field decisions rather than using scientific data. Precision agriculture is transforming the farming landscape for small-scale farmers in Asia Pacific, providing a wide range of advantages. Through the use of sophisticated methods such as mechanized planting, precise fertilizer application, accurate irrigation, and comprehensive pest control, farmers can enhance their use of resources, resulting in higher crop yields and improved land sustainability. Precision agriculture offers opportunities to address this by enabling farmers to make decisions based on data and optimize their agricultural production processes.

## Asia Pacific Precision Farming Market Revenue and Forecast to 2031 (US\$ Million)

### Asia Pacific Precision Farming Market Segmentation

The Asia Pacific precision farming market is categorized into offering, application, and country.

By offering, the Asia Pacific precision farming market is segmented into hardware, software, and services. The hardware segment held the largest share of the Asia Pacific precision farming market share in 2023.

In application, the Asia Pacific precision farming market is segmented into yield monitoring, crop scouting, field mapping, inventory management, weather tracking and forecasting, and others. The yield monitoring segment held the largest share of the Asia Pacific precision farming market share in 2023.

Based on country, the Asia Pacific precision farming market is segmented into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. China segment held the largest share of Asia Pacific precision farming market in 2023.

Ag Leader Technology, AGCO Corp, CNH Industrial NV, CropX Inc, Deere & Co, TeeJet Technologies, Topcon Corp, and Trimble Inc are some of the leading companies operating in the Asia Pacific precision farming market.

#### Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the Asia Pacific precision farming market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the Asia Pacific precision farming market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth Asia Pacific market trends and outlook coupled with the factors driving the Asia Pacific precision farming market, as well as those hindering it

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

#### The List of Companies - Asia Pacific Precision Farming Market

Ag Leader Technology

AGCO Corp

CNH Industrial NV

CropX Inc

Deere & Co

TeeJet Technologies

Topcon Corp

Trimble Inc

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Secondary Research
- 3.2 Primary Research
  - 3.2.1 Hypothesis formulation:
  - 3.2.2 Macro-economic factor analysis:
  - 3.2.3 Developing base number:
  - 3.2.4 Data Triangulation:
  - 3.2.5 Country level data:

### **4. ASIA PACIFIC PRECISION FARMING MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 Ecosystem Analysis
  - 4.2.1 Raw Material Providers
  - 4.2.2 Precision Farming Service Providers
  - 4.2.3 Precision Farming Hardware and Software Providers
  - 4.2.4 End Users
  - 4.2.5 List of Vendors in the Value Chain

### **5. ASIA PACIFIC PRECISION FARMING MARKET – KEY MARKET DYNAMICS**

- 5.1 Asia Pacific Precision Farming Market – Key Market Dynamics
- 5.2 Market Drivers
  - 5.2.1 Increasing Reliance on Smartphones
  - 5.2.2 Surging Global Population and Food Demand
  - 5.2.3 Rising Government Support for Modernizing Agricultural Practices

### 5.3 Market Restraints

#### 5.3.1 Data Privacy and Security Concerns

#### 5.3.2 Unstable Internet Connectivity and Poor Transport Infrastructure

### 5.4 Market Opportunities

#### 5.4.1 Growing Demand for Agricultural Robots

#### 5.4.2 Rapid Adoption of Advanced Analytics and IoT

### 5.5 Future Trends

#### 5.5.1 Advanced Precision Farming Techniques

### 5.6 Impact of Drivers and Restraints:

## **6. PRECISION FARMING MARKET – ASIA PACIFIC MARKET ANALYSIS**

### 6.1 Asia Pacific Precision Farming Market Revenue (US\$ Million), 2021–2031

### 6.2 Asia Pacific Precision Farming Market Forecast Analysis

## **7. ASIA PACIFIC PRECISION FARMING MARKET ANALYSIS – BY OFFERING**

### 7.1 Hardware

#### 7.1.1 Overview

#### 7.1.2 Hardware: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

### 7.2 Software

#### 7.2.1 Overview

#### 7.2.2 Software: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

### 7.3 Services

#### 7.3.1 Overview

#### 7.3.2 Services: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

## **8. ASIA PACIFIC PRECISION FARMING MARKET ANALYSIS – BY APPLICATION**

### 8.1 Yield Monitoring

#### 8.1.1 Overview

#### 8.1.2 Yield Monitoring: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

### 8.2 Field Mapping

#### 8.2.1 Overview

#### 8.2.2 Field Mapping: Asia Pacific Precision Farming Market – Revenue and Forecast

to 2031 (US\$ Million)

### 8.3 Crop Scouting

#### 8.3.1 Overview

8.3.2 Crop Scouting: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

### 8.4 Inventory Management

#### 8.4.1 Overview

8.4.2 Inventory Management: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

### 8.5 Weather Tracking and Forecasting

#### 8.5.1 Overview

8.5.2 Weather Tracking and Forecasting: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

### 8.6 Others

#### 8.6.1 Overview

8.6.2 Others: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

## 9. ASIA PACIFIC PRECISION FARMING MARKET – COUNTRY ANALYSIS

### 9.1 Asia Pacific

#### 9.1.1 Asia Pacific Precision Farming Market Overview

9.1.2 Asia Pacific Precision Farming Market – Revenue and Forecast Analysis – by Country

9.1.2.1 Asia Pacific Precision Farming Market – Revenue and Forecast Analysis – by Country

9.1.2.2 Australia: Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

9.1.2.2.1 Australia: Precision Farming Market Breakdown, by Offering

9.1.2.2.2 Australia: Precision Farming Market Breakdown, by Application

9.1.2.3 China: Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

9.1.2.3.1 China: Precision Farming Market Breakdown, by Offering

9.1.2.3.2 China: Precision Farming Market Breakdown, by Application

9.1.2.4 India: Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

9.1.2.4.1 India: Precision Farming Market Breakdown, by Offering

9.1.2.4.2 India: Precision Farming Market Breakdown, by Application

9.1.2.5 Japan: Precision Farming Market – Revenue and Forecast to 2031 (US\$

Million)

9.1.2.5.1 Japan: Precision Farming Market Breakdown, by Offering

9.1.2.5.2 Japan: Precision Farming Market Breakdown, by Application

9.1.2.6 South Korea: Precision Farming Market – Revenue and Forecast to 2031

(US\$ Million)

9.1.2.6.1 South Korea: Precision Farming Market Breakdown, by Offering

9.1.2.6.2 South Korea: Precision Farming Market Breakdown, by Application

9.1.2.7 Rest of Asia Pacific: Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

9.1.2.7.1 Rest of Asia Pacific: Precision Farming Market Breakdown, by Offering

9.1.2.7.2 Rest of Asia Pacific: Precision Farming Market Breakdown, by Application

## **10. COMPETITIVE LANDSCAPE**

10.1 Company Positioning & Concentration

10.2 Heat Map Analysis by Key Players

## **11. INDUSTRY LANDSCAPE**

11.1 Overview

11.2 Market Initiative

11.3 Product Development

11.4 Mergers & Acquisitions

## **12. COMPANY PROFILES**

12.1 Ag Leader Technology

12.1.1 Key Facts

12.1.2 Business Description

12.1.3 Products and Services

12.1.4 Financial Overview

12.1.5 SWOT Analysis

12.1.6 Key Developments

12.2 CropX Inc

12.2.1 Key Facts

12.2.2 Business Description

12.2.3 Products and Services

12.2.4 Financial Overview

12.2.5 SWOT Analysis



- 12.2.6 Key Developments
- 12.3 AGCO Corp
  - 12.3.1 Key Facts
  - 12.3.2 Business Description
  - 12.3.3 Products and Services
  - 12.3.4 Financial Overview
  - 12.3.5 SWOT Analysis
  - 12.3.6 Key Developments
- 12.4 Trimble Inc
  - 12.4.1 Key Facts
  - 12.4.2 Business Description
  - 12.4.3 Products and Services
  - 12.4.4 Financial Overview
  - 12.4.5 SWOT Analysis
  - 12.4.6 Key Developments
- 12.5 Deere & Co
  - 12.5.1 Key Facts
  - 12.5.2 Business Description
  - 12.5.3 Products and Services
  - 12.5.4 Financial Overview
  - 12.5.5 SWOT Analysis
  - 12.5.6 Key Developments
- 12.6 CNH Industrial NV
  - 12.6.1 Key Facts
  - 12.6.2 Business Description
  - 12.6.3 Products and Services
  - 12.6.4 Financial Overview
  - 12.6.5 SWOT Analysis
  - 12.6.6 Key Developments
- 12.7 Topcon Corp
  - 12.7.1 Key Facts
  - 12.7.2 Business Description
  - 12.7.3 Products and Services
  - 12.7.4 Financial Overview
  - 12.7.5 SWOT Analysis
  - 12.7.6 Key Developments
- 12.8 TeeJet® Technologies
  - 12.8.1 Key Facts
  - 12.8.2 Business Description

12.8.3 Products and Services

12.8.4 Financial Overview

12.8.5 SWOT Analysis

12.8.6 Key Developments

## **13. APPENDIX**

13.1 About The Insight Partners

## List Of Tables

### LIST OF TABLES

Table 1. Asia Pacific Precision Farming Market Segmentation

Table 2. List of Vendors

Table 3. Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Table 4. Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million) – by Offering

Table 5. Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million) – by Application

Table 6. Asia Pacific Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Country

Table 7. Australia: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Offering

Table 8. Australia: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Application

Table 9. China: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Offering

Table 10. China: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Application

Table 11. India: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Offering

Table 12. India: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Application

Table 13. Japan: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Offering

Table 14. Japan: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Application

Table 15. South Korea: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Offering

Table 16. South Korea: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Application

Table 17. Rest of Asia Pacific: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Offering

Table 18. Rest of Asia Pacific: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million) – by Application

Table 19. Heat Map Analysis by Key Players



## List Of Figures

### LIST OF FIGURES

Figure 1. Asia Pacific Precision Farming Market Segmentation, by Country

Figure 2. Impact Analysis of Drivers and Restraints

Figure 3. Asia Pacific Precision Farming Market Revenue (US\$ Million), 2021–2031

Figure 4. Asia Pacific Precision Farming Market Share (%) – by Offering (2023 and 2031)

Figure 5. Hardware: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 6. Software: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 7. Services: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 8. Asia Pacific Precision Farming Market Share (%) – by Application (2023 and 2031)

Figure 9. Yield Monitoring: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 10. Field Mapping: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 11. Crop Scouting: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 12. Inventory Management: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 13. Weather Tracking and Forecasting: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 14. Others: Asia Pacific Precision Farming Market – Revenue and Forecast to 2031 (US\$ Million)

Figure 15. Asia Pacific Precision Farming Market, By Key Country – Revenue (2023) (US\$ Million)

Figure 16. Asia Pacific Precision Farming Market Breakdown, by Key Countries, 2023 and 2031 (%)

Figure 17. Australia: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million)

Figure 18. China: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million)

Figure 19. India: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million)

Figure 20. Japan: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million)

Figure 21. South Korea: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million)

Figure 22. Rest of Asia Pacific: Precision Farming Market – Revenue and Forecast to 2031(US\$ Million)

Figure 23. Company Positioning & Concentration

## I would like to order

Product name: Asia Pacific Precision Farming Market Forecast to 2031 - Regional Analysis - by Offering (Hardware, Software, and Services) and Application (Yield Monitoring, Crop Scouting, Field Mapping, Inventory Management, Weather Tracking and Forecasting, and Others)

Product link: <https://marketpublishers.com/r/A9E2B04122B7EN.html>

Price: US\$ 3,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A9E2B04122B7EN.html>