

Global Smart Agriculture Sensors Market Research Report 2025(Status and Outlook)

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Abstracts

Smart agriculture sensors are electronic devices that collect real-time data on environmental and crop conditions?such as soil moisture, temperature, humidity, light levels, nutrient content, and pest presence?using technologies like IoT connectivity, GPS, and various sensing mechanisms, enabling farmers to monitor, analyze, and optimize agricultural operations through precision farming techniques for improved resource efficiency, yield quality, and sustainability.

The global Smart Agriculture Sensors market size was estimated at USD 7840.5 million in 2024 and is projected to grow at a compound annual growth rate (CAGR) of 12.85% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Smart Agriculture Sensors market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Smart Agriculture Sensors market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding

of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Smart Agriculture Sensors market.

Global Smart Agriculture Sensors Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Vishay
Honeywell
Texas Instruments
Auroras s.r.l.
Bosch
Avidor High Tech
Libelium
Sol Chip Ltd
Pycno Agriculture
CropX Inc
Trimble Inc
SenteraLLC.
The Yield Pty Ltd

Market Segmentation (by Type)

Location Sensor
Optical Sensor
Other

Market Segmentation (by Application)

Yield Monitoring and Mapping
Soil Monitoring
Disease Control and Detection
Irrigation and Water Management
Other

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Smart Agriculture Sensors Market
Overview of the regional outlook of the Smart Agriculture Sensors Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Smart Agriculture Sensors Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Smart Agriculture Sensors, their

output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Smart Agriculture Sensors

1.2 Key Market Segments

1.2.1 Smart Agriculture Sensors Segment by Type

1.2.2 Smart Agriculture Sensors Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 SMART AGRICULTURE SENSORS MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Smart Agriculture Sensors Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global Smart Agriculture Sensors Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 SMART AGRICULTURE SENSORS MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Smart Agriculture Sensors Product Life Cycle

3.3 Global Smart Agriculture Sensors Sales by Manufacturers (2020-2025)

3.4 Global Smart Agriculture Sensors Revenue Market Share by Manufacturers (2020-2025)

3.5 Smart Agriculture Sensors Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Smart Agriculture Sensors Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Smart Agriculture Sensors Market Competitive Situation and Trends

3.8.1 Smart Agriculture Sensors Market Concentration Rate

3.8.2 Global 5 and 10 Largest Smart Agriculture Sensors Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 SMART AGRICULTURE SENSORS INDUSTRY CHAIN ANALYSIS

4.1 Smart Agriculture Sensors Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF SMART AGRICULTURE SENSORS MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Smart Agriculture Sensors Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Smart Agriculture Sensors Market

5.7 ESG Ratings of Leading Companies

6 SMART AGRICULTURE SENSORS MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Smart Agriculture Sensors Sales Market Share by Type (2020-2025)

6.3 Global Smart Agriculture Sensors Market Size Market Share by Type (2020-2025)

6.4 Global Smart Agriculture Sensors Price by Type (2020-2025)

7 SMART AGRICULTURE SENSORS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Smart Agriculture Sensors Market Sales by Application (2020-2025)
- 7.3 Global Smart Agriculture Sensors Market Size (M USD) by Application (2020-2025)
- 7.4 Global Smart Agriculture Sensors Sales Growth Rate by Application (2020-2025)

8 SMART AGRICULTURE SENSORS MARKET SALES BY REGION

- 8.1 Global Smart Agriculture Sensors Sales by Region
 - 8.1.1 Global Smart Agriculture Sensors Sales by Region
 - 8.1.2 Global Smart Agriculture Sensors Sales Market Share by Region
- 8.2 Global Smart Agriculture Sensors Market Size by Region
 - 8.2.1 Global Smart Agriculture Sensors Market Size by Region
 - 8.2.2 Global Smart Agriculture Sensors Market Size Market Share by Region
- 8.3 North America
 - 8.3.1 North America Smart Agriculture Sensors Sales by Country
 - 8.3.2 North America Smart Agriculture Sensors Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Smart Agriculture Sensors Sales by Country
 - 8.4.2 Europe Smart Agriculture Sensors Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Smart Agriculture Sensors Sales by Region
 - 8.5.2 Asia Pacific Smart Agriculture Sensors Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America Smart Agriculture Sensors Sales by Country
 - 8.6.2 South America Smart Agriculture Sensors Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Smart Agriculture Sensors Sales by Region

8.7.2 Middle East and Africa Smart Agriculture Sensors Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 SMART AGRICULTURE SENSORS MARKET PRODUCTION BY REGION

9.1 Global Production of Smart Agriculture Sensors by Region(2020-2025)

9.2 Global Smart Agriculture Sensors Revenue Market Share by Region (2020-2025)

9.3 Global Smart Agriculture Sensors Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Smart Agriculture Sensors Production

9.4.1 North America Smart Agriculture Sensors Production Growth Rate (2020-2025)

9.4.2 North America Smart Agriculture Sensors Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Smart Agriculture Sensors Production

9.5.1 Europe Smart Agriculture Sensors Production Growth Rate (2020-2025)

9.5.2 Europe Smart Agriculture Sensors Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Smart Agriculture Sensors Production (2020-2025)

9.6.1 Japan Smart Agriculture Sensors Production Growth Rate (2020-2025)

9.6.2 Japan Smart Agriculture Sensors Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Smart Agriculture Sensors Production (2020-2025)

9.7.1 China Smart Agriculture Sensors Production Growth Rate (2020-2025)

9.7.2 China Smart Agriculture Sensors Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Vishay

10.1.1 Vishay Basic Information

- 10.1.2 Vishay Smart Agriculture Sensors Product Overview
- 10.1.3 Vishay Smart Agriculture Sensors Product Market Performance
- 10.1.4 Vishay Business Overview
- 10.1.5 Vishay SWOT Analysis
- 10.1.6 Vishay Recent Developments
- 10.2 Honeywell
 - 10.2.1 Honeywell Basic Information
 - 10.2.2 Honeywell Smart Agriculture Sensors Product Overview
 - 10.2.3 Honeywell Smart Agriculture Sensors Product Market Performance
 - 10.2.4 Honeywell Business Overview
 - 10.2.5 Honeywell SWOT Analysis
 - 10.2.6 Honeywell Recent Developments
- 10.3 Texas Instruments
 - 10.3.1 Texas Instruments Basic Information
 - 10.3.2 Texas Instruments Smart Agriculture Sensors Product Overview
 - 10.3.3 Texas Instruments Smart Agriculture Sensors Product Market Performance
 - 10.3.4 Texas Instruments Business Overview
 - 10.3.5 Texas Instruments SWOT Analysis
 - 10.3.6 Texas Instruments Recent Developments
- 10.4 Auroras s.r.l.
 - 10.4.1 Auroras s.r.l. Basic Information
 - 10.4.2 Auroras s.r.l. Smart Agriculture Sensors Product Overview
 - 10.4.3 Auroras s.r.l. Smart Agriculture Sensors Product Market Performance
 - 10.4.4 Auroras s.r.l. Business Overview
 - 10.4.5 Auroras s.r.l. Recent Developments
- 10.5 Bosch
 - 10.5.1 Bosch Basic Information
 - 10.5.2 Bosch Smart Agriculture Sensors Product Overview
 - 10.5.3 Bosch Smart Agriculture Sensors Product Market Performance
 - 10.5.4 Bosch Business Overview
 - 10.5.5 Bosch Recent Developments
- 10.6 Avidor High Tech
 - 10.6.1 Avidor High Tech Basic Information
 - 10.6.2 Avidor High Tech Smart Agriculture Sensors Product Overview
 - 10.6.3 Avidor High Tech Smart Agriculture Sensors Product Market Performance
 - 10.6.4 Avidor High Tech Business Overview
 - 10.6.5 Avidor High Tech Recent Developments
- 10.7 Libelium
 - 10.7.1 Libelium Basic Information

- 10.7.2 Libelium Smart Agriculture Sensors Product Overview
- 10.7.3 Libelium Smart Agriculture Sensors Product Market Performance
- 10.7.4 Libelium Business Overview
- 10.7.5 Libelium Recent Developments
- 10.8 Sol Chip Ltd
 - 10.8.1 Sol Chip Ltd Basic Information
 - 10.8.2 Sol Chip Ltd Smart Agriculture Sensors Product Overview
 - 10.8.3 Sol Chip Ltd Smart Agriculture Sensors Product Market Performance
 - 10.8.4 Sol Chip Ltd Business Overview
 - 10.8.5 Sol Chip Ltd Recent Developments
- 10.9 Pycno Agriculture
 - 10.9.1 Pycno Agriculture Basic Information
 - 10.9.2 Pycno Agriculture Smart Agriculture Sensors Product Overview
 - 10.9.3 Pycno Agriculture Smart Agriculture Sensors Product Market Performance
 - 10.9.4 Pycno Agriculture Business Overview
 - 10.9.5 Pycno Agriculture Recent Developments
- 10.10 CropX Inc
 - 10.10.1 CropX Inc Basic Information
 - 10.10.2 CropX Inc Smart Agriculture Sensors Product Overview
 - 10.10.3 CropX Inc Smart Agriculture Sensors Product Market Performance
 - 10.10.4 CropX Inc Business Overview
 - 10.10.5 CropX Inc Recent Developments
- 10.11 Trimble Inc
 - 10.11.1 Trimble Inc Basic Information
 - 10.11.2 Trimble Inc Smart Agriculture Sensors Product Overview
 - 10.11.3 Trimble Inc Smart Agriculture Sensors Product Market Performance
 - 10.11.4 Trimble Inc Business Overview
 - 10.11.5 Trimble Inc Recent Developments
- 10.12 SenteraLLC.
 - 10.12.1 SenteraLLC. Basic Information
 - 10.12.2 SenteraLLC. Smart Agriculture Sensors Product Overview
 - 10.12.3 SenteraLLC. Smart Agriculture Sensors Product Market Performance
 - 10.12.4 SenteraLLC. Business Overview
 - 10.12.5 SenteraLLC. Recent Developments
- 10.13 The Yield Pty Ltd
 - 10.13.1 The Yield Pty Ltd Basic Information
 - 10.13.2 The Yield Pty Ltd Smart Agriculture Sensors Product Overview
 - 10.13.3 The Yield Pty Ltd Smart Agriculture Sensors Product Market Performance
 - 10.13.4 The Yield Pty Ltd Business Overview

10.13.5 The Yield Pty Ltd Recent Developments

11 SMART AGRICULTURE SENSORS MARKET FORECAST BY REGION

11.1 Global Smart Agriculture Sensors Market Size Forecast

11.2 Global Smart Agriculture Sensors Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Smart Agriculture Sensors Market Size Forecast by Country

11.2.3 Asia Pacific Smart Agriculture Sensors Market Size Forecast by Region

11.2.4 South America Smart Agriculture Sensors Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Smart Agriculture Sensors by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

12.1 Global Smart Agriculture Sensors Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of Smart Agriculture Sensors by Type (2026-2033)

12.1.2 Global Smart Agriculture Sensors Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of Smart Agriculture Sensors by Type (2026-2033)

12.2 Global Smart Agriculture Sensors Market Forecast by Application (2026-2033)

12.2.1 Global Smart Agriculture Sensors Sales (K MT) Forecast by Application

12.2.2 Global Smart Agriculture Sensors Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Smart Agriculture Sensors Market Size Comparison by Region (M USD)

Table 5. Global Smart Agriculture Sensors Sales (K MT) by Manufacturers (2020-2025)

Table 6. Global Smart Agriculture Sensors Sales Market Share by Manufacturers (2020-2025)

Table 7. Global Smart Agriculture Sensors Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global Smart Agriculture Sensors Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Smart Agriculture Sensors as of 2024)

Table 10. Global Market Smart Agriculture Sensors Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 11. Manufacturers? Manufacturing Sites, Areas Served

Table 12. Manufacturers? Product Type

Table 13. Global Smart Agriculture Sensors Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Smart Agriculture Sensors Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 25. Global Smart Agriculture Sensors Sales by Type (K MT)

Table 26. Global Smart Agriculture Sensors Market Size by Type (M USD)

Table 27. Global Smart Agriculture Sensors Sales (K MT) by Type (2020-2025)

Table 28. Global Smart Agriculture Sensors Sales Market Share by Type (2020-2025)

Table 29. Global Smart Agriculture Sensors Market Size (M USD) by Type (2020-2025)
Table 30. Global Smart Agriculture Sensors Market Size Share by Type (2020-2025)
Table 31. Global Smart Agriculture Sensors Price (USD/KG) by Type (2020-2025)
Table 32. Global Smart Agriculture Sensors Sales (K MT) by Application
Table 33. Global Smart Agriculture Sensors Market Size by Application
Table 34. Global Smart Agriculture Sensors Sales by Application (2020-2025) & (K MT)
Table 35. Global Smart Agriculture Sensors Sales Market Share by Application (2020-2025)
Table 36. Global Smart Agriculture Sensors Market Size by Application (2020-2025) & (M USD)
Table 37. Global Smart Agriculture Sensors Market Share by Application (2020-2025)
Table 38. Global Smart Agriculture Sensors Sales Growth Rate by Application (2020-2025)
Table 39. Global Smart Agriculture Sensors Sales by Region (2020-2025) & (K MT)
Table 40. Global Smart Agriculture Sensors Sales Market Share by Region (2020-2025)
Table 41. Global Smart Agriculture Sensors Market Size by Region (2020-2025) & (M USD)
Table 42. Global Smart Agriculture Sensors Market Size Market Share by Region (2020-2025)
Table 43. North America Smart Agriculture Sensors Sales by Country (2020-2025) & (K MT)
Table 44. North America Smart Agriculture Sensors Market Size by Country (2020-2025) & (M USD)
Table 45. Europe Smart Agriculture Sensors Sales by Country (2020-2025) & (K MT)
Table 46. Europe Smart Agriculture Sensors Market Size by Country (2020-2025) & (M USD)
Table 47. Asia Pacific Smart Agriculture Sensors Sales by Region (2020-2025) & (K MT)
Table 48. Asia Pacific Smart Agriculture Sensors Market Size by Region (2020-2025) & (M USD)
Table 49. South America Smart Agriculture Sensors Sales by Country (2020-2025) & (K MT)
Table 50. South America Smart Agriculture Sensors Market Size by Country (2020-2025) & (M USD)
Table 51. Middle East and Africa Smart Agriculture Sensors Sales by Region (2020-2025) & (K MT)
Table 52. Middle East and Africa Smart Agriculture Sensors Market Size by Region (2020-2025) & (M USD)
Table 53. Global Smart Agriculture Sensors Production (K MT) by Region(2020-2025)

Table 54. Global Smart Agriculture Sensors Revenue (US\$ Million) by Region (2020-2025)

Table 55. Global Smart Agriculture Sensors Revenue Market Share by Region (2020-2025)

Table 56. Global Smart Agriculture Sensors Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 57. North America Smart Agriculture Sensors Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. Europe Smart Agriculture Sensors Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Japan Smart Agriculture Sensors Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. China Smart Agriculture Sensors Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. Vishay Basic Information

Table 62. Vishay Smart Agriculture Sensors Product Overview

Table 63. Vishay Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 64. Vishay Business Overview

Table 65. Vishay SWOT Analysis

Table 66. Vishay Recent Developments

Table 67. Honeywell Basic Information

Table 68. Honeywell Smart Agriculture Sensors Product Overview

Table 69. Honeywell Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 70. Honeywell Business Overview

Table 71. Honeywell SWOT Analysis

Table 72. Honeywell Recent Developments

Table 73. Texas Instruments Basic Information

Table 74. Texas Instruments Smart Agriculture Sensors Product Overview

Table 75. Texas Instruments Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 76. Texas Instruments Business Overview

Table 77. Texas Instruments SWOT Analysis

Table 78. Texas Instruments Recent Developments

Table 79. Auroras s.r.l. Basic Information

Table 80. Auroras s.r.l. Smart Agriculture Sensors Product Overview

Table 81. Auroras s.r.l. Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 82. Auroras s.r.l. Business Overview
Table 83. Auroras s.r.l. Recent Developments
Table 84. Bosch Basic Information
Table 85. Bosch Smart Agriculture Sensors Product Overview
Table 86. Bosch Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 87. Bosch Business Overview
Table 88. Bosch Recent Developments
Table 89. Avidor High Tech Basic Information
Table 90. Avidor High Tech Smart Agriculture Sensors Product Overview
Table 91. Avidor High Tech Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 92. Avidor High Tech Business Overview
Table 93. Avidor High Tech Recent Developments
Table 94. Libelium Basic Information
Table 95. Libelium Smart Agriculture Sensors Product Overview
Table 96. Libelium Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 97. Libelium Business Overview
Table 98. Libelium Recent Developments
Table 99. Sol Chip Ltd Basic Information
Table 100. Sol Chip Ltd Smart Agriculture Sensors Product Overview
Table 101. Sol Chip Ltd Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 102. Sol Chip Ltd Business Overview
Table 103. Sol Chip Ltd Recent Developments
Table 104. Pycno Agriculture Basic Information
Table 105. Pycno Agriculture Smart Agriculture Sensors Product Overview
Table 106. Pycno Agriculture Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 107. Pycno Agriculture Business Overview
Table 108. Pycno Agriculture Recent Developments
Table 109. CropX Inc Basic Information
Table 110. CropX Inc Smart Agriculture Sensors Product Overview
Table 111. CropX Inc Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 112. CropX Inc Business Overview
Table 113. CropX Inc Recent Developments
Table 114. Trimble Inc Basic Information

Table 115. Trimble Inc Smart Agriculture Sensors Product Overview
Table 116. Trimble Inc Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 117. Trimble Inc Business Overview
Table 118. Trimble Inc Recent Developments
Table 119. SenteraLLC. Basic Information
Table 120. SenteraLLC. Smart Agriculture Sensors Product Overview
Table 121. SenteraLLC. Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 122. SenteraLLC. Business Overview
Table 123. SenteraLLC. Recent Developments
Table 124. The Yield Pty Ltd Basic Information
Table 125. The Yield Pty Ltd Smart Agriculture Sensors Product Overview
Table 126. The Yield Pty Ltd Smart Agriculture Sensors Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 127. The Yield Pty Ltd Business Overview
Table 128. The Yield Pty Ltd Recent Developments
Table 129. Global Smart Agriculture Sensors Sales Forecast by Region (2026-2033) & (K MT)
Table 130. Global Smart Agriculture Sensors Market Size Forecast by Region (2026-2033) & (M USD)
Table 131. North America Smart Agriculture Sensors Sales Forecast by Country (2026-2033) & (K MT)
Table 132. North America Smart Agriculture Sensors Market Size Forecast by Country (2026-2033) & (M USD)
Table 133. Europe Smart Agriculture Sensors Sales Forecast by Country (2026-2033) & (K MT)
Table 134. Europe Smart Agriculture Sensors Market Size Forecast by Country (2026-2033) & (M USD)
Table 135. Asia Pacific Smart Agriculture Sensors Sales Forecast by Region (2026-2033) & (K MT)
Table 136. Asia Pacific Smart Agriculture Sensors Market Size Forecast by Region (2026-2033) & (M USD)
Table 137. South America Smart Agriculture Sensors Sales Forecast by Country (2026-2033) & (K MT)
Table 138. South America Smart Agriculture Sensors Market Size Forecast by Country (2026-2033) & (M USD)
Table 139. Middle East and Africa Smart Agriculture Sensors Sales Forecast by Country (2026-2033) & (Units)

Table 140. Middle East and Africa Smart Agriculture Sensors Market Size Forecast by Country (2026-2033) & (M USD)

Table 141. Global Smart Agriculture Sensors Sales Forecast by Type (2026-2033) & (K MT)

Table 142. Global Smart Agriculture Sensors Market Size Forecast by Type (2026-2033) & (M USD)

Table 143. Global Smart Agriculture Sensors Price Forecast by Type (2026-2033) & (USD/KG)

Table 144. Global Smart Agriculture Sensors Sales (K MT) Forecast by Application (2026-2033)

Table 145. Global Smart Agriculture Sensors Market Size Forecast by Application (2026-2033) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Smart Agriculture Sensors
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Smart Agriculture Sensors Market Size (M USD), 2024-2033
- Figure 5. Global Smart Agriculture Sensors Market Size (M USD) (2020-2033)
- Figure 6. Global Smart Agriculture Sensors Sales (K MT) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Smart Agriculture Sensors Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Smart Agriculture Sensors Product Life Cycle
- Figure 13. Smart Agriculture Sensors Sales Share by Manufacturers in 2024
- Figure 14. Global Smart Agriculture Sensors Revenue Share by Manufacturers in 2024
- Figure 15. Smart Agriculture Sensors Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Smart Agriculture Sensors Average Price (USD/KG) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Smart Agriculture Sensors Revenue in 2024
- Figure 18. Industry Chain Map of Smart Agriculture Sensors
- Figure 19. Global Smart Agriculture Sensors Market PEST Analysis
- Figure 20. Global Smart Agriculture Sensors Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Smart Agriculture Sensors Market Share by Type
- Figure 27. Sales Market Share of Smart Agriculture Sensors by Type (2020-2025)
- Figure 28. Sales Market Share of Smart Agriculture Sensors by Type in 2024
- Figure 29. Market Size Share of Smart Agriculture Sensors by Type (2020-2025)
- Figure 30. Market Size Share of Smart Agriculture Sensors by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Smart Agriculture Sensors Market Share by Application

Figure 33. Global Smart Agriculture Sensors Sales Market Share by Application (2020-2025)

Figure 34. Global Smart Agriculture Sensors Sales Market Share by Application in 2024

Figure 35. Global Smart Agriculture Sensors Market Share by Application (2020-2025)

Figure 36. Global Smart Agriculture Sensors Market Share by Application in 2024

Figure 37. Global Smart Agriculture Sensors Sales Growth Rate by Application (2020-2025)

Figure 38. Global Smart Agriculture Sensors Sales Market Share by Region (2020-2025)

Figure 39. Global Smart Agriculture Sensors Market Size Market Share by Region (2020-2025)

Figure 40. North America Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Smart Agriculture Sensors Sales Market Share by Country in 2024

Figure 43. North America Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Smart Agriculture Sensors Market Size Market Share by Country in 2024

Figure 45. U.S. Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Smart Agriculture Sensors Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Smart Agriculture Sensors Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Smart Agriculture Sensors Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Smart Agriculture Sensors Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Smart Agriculture Sensors Sales Market Share by Country in 2024

Figure 53. Europe Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Smart Agriculture Sensors Market Size Market Share by Country in

2024

Figure 55. Germany Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Smart Agriculture Sensors Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Smart Agriculture Sensors Sales Market Share by Region in 2024

Figure 67. Asia Pacific Smart Agriculture Sensors Market Size Market Share by Region in 2024

Figure 68. China Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K

MT)

Figure 75. India Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Smart Agriculture Sensors Sales and Growth Rate (K MT)

Figure 79. South America Smart Agriculture Sensors Sales Market Share by Country in 2024

Figure 80. South America Smart Agriculture Sensors Market Size and Growth Rate (M USD)

Figure 81. South America Smart Agriculture Sensors Market Size Market Share by Country in 2024

Figure 82. Brazil Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Smart Agriculture Sensors Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Smart Agriculture Sensors Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Smart Agriculture Sensors Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Smart Agriculture Sensors Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K

MT)

Figure 95. UAE Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Smart Agriculture Sensors Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Smart Agriculture Sensors Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Smart Agriculture Sensors Production Market Share by Region (2020-2025)

Figure 103. North America Smart Agriculture Sensors Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Smart Agriculture Sensors Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Smart Agriculture Sensors Production (K MT) Growth Rate (2020-2025)

Figure 106. China Smart Agriculture Sensors Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Smart Agriculture Sensors Sales Forecast by Volume (2020-2033) & (K MT)

Figure 108. Global Smart Agriculture Sensors Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Smart Agriculture Sensors Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Smart Agriculture Sensors Market Share Forecast by Type (2026-2033)

Figure 111. Global Smart Agriculture Sensors Sales Forecast by Application (2026-2033)

Figure 112. Global Smart Agriculture Sensors Market Share Forecast by Application (2026-2033)

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