

# Global Artificial Intelligence in Agriculture Market Growth (Status and Outlook) 2024-2030

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## Abstracts

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According to our LPI (LP Information) latest study, the global Artificial Intelligence in Agriculture market size was valued at US\$ 566.1 million in 2023. With growing demand in downstream market, the Artificial Intelligence in Agriculture is forecast to a readjusted size of US\$ 716.5 million by 2030 with a CAGR of 3.4% during review period.

The research report highlights the growth potential of the global Artificial Intelligence in Agriculture market. Artificial Intelligence in Agriculture are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Artificial Intelligence in Agriculture. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Artificial Intelligence in Agriculture market.

This report studies the Artificial Intelligence (AI) in Agriculture market, from angles of players, regions, product types and end industries, to analyze the status and the future.

Artificial Intelligence (AI) in Agriculture Market size is being driven by the growing adoption of the robots in agriculture. Increasing consumption and rising requirement of better yield of crops are estimated to be one of the major factors that is fueling the demand of robots in agriculture. Increasing consumption motivates farmers to scale up farming operations and give rise to the requirement of automating farming operations. As the farmers are shifting more towards automation, drones and robots have become integral part of agriculture farms and are enhancing yield and improving the product

quality. Since AI is the backbone of robotics, increasing adoption of robots in agriculture is estimated to drive the AI in agriculture market growth.

China and the United States are two leaders in AI industry. On the AI 100 list (2022) released by CB Insights, the number of companies in the United States ranks first, with more than 70 companies, followed by the United Kingdom, with 8 companies on the list. China and Canada both holds 5 companies on the list. According to data from the China Academy of Information and Communications Technology, the scale of China's core artificial intelligence industry reached \$508 billion in 2022, a year-on-year increase of 18%. From 2013 to November 2022, the cumulative number of patent applications for artificial intelligence inventions in the world reached 729,000, and the cumulative number of applications in China reached 389,000, accounting for 53.4%. However, the Global Artificial Intelligence Innovation Index Report 2021 released by the China Institute of Scientific and Technological Information shows that the overall strength of the United States is still far ahead. The number of artificial intelligence companies in the United States is about 4,670, while China has only 880. China's data center is less than 1/78 of that of the United States.

#### Key Features:

The report on Artificial Intelligence in Agriculture market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Artificial Intelligence in Agriculture market. It may include historical data, market segmentation by Type (e.g., Machine Learning, Computer Vision), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Artificial Intelligence in Agriculture market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the Artificial Intelligence in Agriculture market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the Artificial Intelligence in Agriculture industry. This include advancements in Artificial Intelligence in Agriculture technology, Artificial Intelligence in Agriculture new entrants, Artificial Intelligence in Agriculture new investment, and other innovations that are shaping the future of Artificial Intelligence in Agriculture.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the Artificial Intelligence in Agriculture market. It includes factors influencing customer ' purchasing decisions, preferences for Artificial Intelligence in Agriculture product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Artificial Intelligence in Agriculture market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Artificial Intelligence in Agriculture market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the Artificial Intelligence in Agriculture market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Artificial Intelligence in Agriculture industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Artificial Intelligence in Agriculture market.

**Market Segmentation:**

Artificial Intelligence in Agriculture market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

**Segmentation by type**

Machine Learning

Computer Vision

Segmentation by application

Precision Farming

Drone Analytics

Agriculture Robots

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

IBM

John Deere

Microsoft

Agrobotix

The Climate Corporation

ec2ce

Descartes Labs

Sky Squirrel Technologies

Mavrx

aWhere

Gamaya

Precision Hawk

Granular

Prospera

Cainthus

Spensa Technologies

Resson

FarmBot

Connecterra

Vision Robotics

Harvest Croo

Autonomous Tractor Corporation

Trace Genomics

Vine Rangers

## Contents

### **1 SCOPE OF THE REPORT**

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Artificial Intelligence in Agriculture Market Size 2019-2030
  - 2.1.2 Artificial Intelligence in Agriculture Market Size CAGR by Region 2019 VS 2023 VS 2030
- 2.2 Artificial Intelligence in Agriculture Segment by Type
  - 2.2.1 Machine Learning
  - 2.2.2 Computer Vision
- 2.3 Artificial Intelligence in Agriculture Market Size by Type
  - 2.3.1 Artificial Intelligence in Agriculture Market Size CAGR by Type (2019 VS 2023 VS 2030)
  - 2.3.2 Global Artificial Intelligence in Agriculture Market Size Market Share by Type (2019-2024)
- 2.4 Artificial Intelligence in Agriculture Segment by Application
  - 2.4.1 Precision Farming
  - 2.4.2 Drone Analytics
  - 2.4.3 Agriculture Robots
- 2.5 Artificial Intelligence in Agriculture Market Size by Application
  - 2.5.1 Artificial Intelligence in Agriculture Market Size CAGR by Application (2019 VS 2023 VS 2030)
  - 2.5.2 Global Artificial Intelligence in Agriculture Market Size Market Share by Application (2019-2024)

### **3 ARTIFICIAL INTELLIGENCE IN AGRICULTURE MARKET SIZE BY PLAYER**

- 3.1 Artificial Intelligence in Agriculture Market Size Market Share by Players
  - 3.1.1 Global Artificial Intelligence in Agriculture Revenue by Players (2019-2024)
  - 3.1.2 Global Artificial Intelligence in Agriculture Revenue Market Share by Players (2019-2024)
- 3.2 Global Artificial Intelligence in Agriculture Key Players Head office and Products Offered
- 3.3 Market Concentration Rate Analysis
  - 3.3.1 Competition Landscape Analysis
  - 3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2022-2024)
- 3.4 New Products and Potential Entrants
- 3.5 Mergers & Acquisitions, Expansion

## **4 ARTIFICIAL INTELLIGENCE IN AGRICULTURE BY REGIONS**

- 4.1 Artificial Intelligence in Agriculture Market Size by Regions (2019-2024)
- 4.2 Americas Artificial Intelligence in Agriculture Market Size Growth (2019-2024)
- 4.3 APAC Artificial Intelligence in Agriculture Market Size Growth (2019-2024)
- 4.4 Europe Artificial Intelligence in Agriculture Market Size Growth (2019-2024)
- 4.5 Middle East & Africa Artificial Intelligence in Agriculture Market Size Growth (2019-2024)

## **5 AMERICAS**

- 5.1 Americas Artificial Intelligence in Agriculture Market Size by Country (2019-2024)
- 5.2 Americas Artificial Intelligence in Agriculture Market Size by Type (2019-2024)
- 5.3 Americas Artificial Intelligence in Agriculture Market Size by Application (2019-2024)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Artificial Intelligence in Agriculture Market Size by Region (2019-2024)
- 6.2 APAC Artificial Intelligence in Agriculture Market Size by Type (2019-2024)
- 6.3 APAC Artificial Intelligence in Agriculture Market Size by Application (2019-2024)
- 6.4 China
- 6.5 Japan
- 6.6 Korea



6.7 Southeast Asia

6.8 India

6.9 Australia

## **7 EUROPE**

7.1 Europe Artificial Intelligence in Agriculture by Country (2019-2024)

7.2 Europe Artificial Intelligence in Agriculture Market Size by Type (2019-2024)

7.3 Europe Artificial Intelligence in Agriculture Market Size by Application (2019-2024)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa Artificial Intelligence in Agriculture by Region (2019-2024)

8.2 Middle East & Africa Artificial Intelligence in Agriculture Market Size by Type (2019-2024)

8.3 Middle East & Africa Artificial Intelligence in Agriculture Market Size by Application (2019-2024)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 GLOBAL ARTIFICIAL INTELLIGENCE IN AGRICULTURE MARKET FORECAST**

10.1 Global Artificial Intelligence in Agriculture Forecast by Regions (2025-2030)

10.1.1 Global Artificial Intelligence in Agriculture Forecast by Regions (2025-2030)

10.1.2 Americas Artificial Intelligence in Agriculture Forecast

- 10.1.3 APAC Artificial Intelligence in Agriculture Forecast
- 10.1.4 Europe Artificial Intelligence in Agriculture Forecast
- 10.1.5 Middle East & Africa Artificial Intelligence in Agriculture Forecast
- 10.2 Americas Artificial Intelligence in Agriculture Forecast by Country (2025-2030)
  - 10.2.1 United States Artificial Intelligence in Agriculture Market Forecast
  - 10.2.2 Canada Artificial Intelligence in Agriculture Market Forecast
  - 10.2.3 Mexico Artificial Intelligence in Agriculture Market Forecast
  - 10.2.4 Brazil Artificial Intelligence in Agriculture Market Forecast
- 10.3 APAC Artificial Intelligence in Agriculture Forecast by Region (2025-2030)
  - 10.3.1 China Artificial Intelligence in Agriculture Market Forecast
  - 10.3.2 Japan Artificial Intelligence in Agriculture Market Forecast
  - 10.3.3 Korea Artificial Intelligence in Agriculture Market Forecast
  - 10.3.4 Southeast Asia Artificial Intelligence in Agriculture Market Forecast
  - 10.3.5 India Artificial Intelligence in Agriculture Market Forecast
  - 10.3.6 Australia Artificial Intelligence in Agriculture Market Forecast
- 10.4 Europe Artificial Intelligence in Agriculture Forecast by Country (2025-2030)
  - 10.4.1 Germany Artificial Intelligence in Agriculture Market Forecast
  - 10.4.2 France Artificial Intelligence in Agriculture Market Forecast
  - 10.4.3 UK Artificial Intelligence in Agriculture Market Forecast
  - 10.4.4 Italy Artificial Intelligence in Agriculture Market Forecast
  - 10.4.5 Russia Artificial Intelligence in Agriculture Market Forecast
- 10.5 Middle East & Africa Artificial Intelligence in Agriculture Forecast by Region (2025-2030)
  - 10.5.1 Egypt Artificial Intelligence in Agriculture Market Forecast
  - 10.5.2 South Africa Artificial Intelligence in Agriculture Market Forecast
  - 10.5.3 Israel Artificial Intelligence in Agriculture Market Forecast
  - 10.5.4 Turkey Artificial Intelligence in Agriculture Market Forecast
  - 10.5.5 GCC Countries Artificial Intelligence in Agriculture Market Forecast
- 10.6 Global Artificial Intelligence in Agriculture Forecast by Type (2025-2030)
- 10.7 Global Artificial Intelligence in Agriculture Forecast by Application (2025-2030)

## **11 KEY PLAYERS ANALYSIS**

### **11.1 IBM**

- 11.1.1 IBM Company Information
- 11.1.2 IBM Artificial Intelligence in Agriculture Product Offered
- 11.1.3 IBM Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)
- 11.1.4 IBM Main Business Overview

- 11.1.5 IBM Latest Developments
- 11.2 John Deere
  - 11.2.1 John Deere Company Information
  - 11.2.2 John Deere Artificial Intelligence in Agriculture Product Offered
  - 11.2.3 John Deere Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)
  - 11.2.4 John Deere Main Business Overview
  - 11.2.5 John Deere Latest Developments
- 11.3 Microsoft
  - 11.3.1 Microsoft Company Information
  - 11.3.2 Microsoft Artificial Intelligence in Agriculture Product Offered
  - 11.3.3 Microsoft Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)
  - 11.3.4 Microsoft Main Business Overview
  - 11.3.5 Microsoft Latest Developments
- 11.4 Agribotix
  - 11.4.1 Agribotix Company Information
  - 11.4.2 Agribotix Artificial Intelligence in Agriculture Product Offered
  - 11.4.3 Agribotix Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)
  - 11.4.4 Agribotix Main Business Overview
  - 11.4.5 Agribotix Latest Developments
- 11.5 The Climate Corporation
  - 11.5.1 The Climate Corporation Company Information
  - 11.5.2 The Climate Corporation Artificial Intelligence in Agriculture Product Offered
  - 11.5.3 The Climate Corporation Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)
  - 11.5.4 The Climate Corporation Main Business Overview
  - 11.5.5 The Climate Corporation Latest Developments
- 11.6 ec2ce
  - 11.6.1 ec2ce Company Information
  - 11.6.2 ec2ce Artificial Intelligence in Agriculture Product Offered
  - 11.6.3 ec2ce Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)
  - 11.6.4 ec2ce Main Business Overview
  - 11.6.5 ec2ce Latest Developments
- 11.7 Descartes Labs
  - 11.7.1 Descartes Labs Company Information
  - 11.7.2 Descartes Labs Artificial Intelligence in Agriculture Product Offered

11.7.3 Descartes Labs Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.7.4 Descartes Labs Main Business Overview

11.7.5 Descartes Labs Latest Developments

11.8 Sky Squirrel Technologies

11.8.1 Sky Squirrel Technologies Company Information

11.8.2 Sky Squirrel Technologies Artificial Intelligence in Agriculture Product Offered

11.8.3 Sky Squirrel Technologies Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.8.4 Sky Squirrel Technologies Main Business Overview

11.8.5 Sky Squirrel Technologies Latest Developments

11.9 Mavrx

11.9.1 Mavrx Company Information

11.9.2 Mavrx Artificial Intelligence in Agriculture Product Offered

11.9.3 Mavrx Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.9.4 Mavrx Main Business Overview

11.9.5 Mavrx Latest Developments

11.10 aWhere

11.10.1 aWhere Company Information

11.10.2 aWhere Artificial Intelligence in Agriculture Product Offered

11.10.3 aWhere Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.10.4 aWhere Main Business Overview

11.10.5 aWhere Latest Developments

11.11 Gamaya

11.11.1 Gamaya Company Information

11.11.2 Gamaya Artificial Intelligence in Agriculture Product Offered

11.11.3 Gamaya Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.11.4 Gamaya Main Business Overview

11.11.5 Gamaya Latest Developments

11.12 Precision Hawk

11.12.1 Precision Hawk Company Information

11.12.2 Precision Hawk Artificial Intelligence in Agriculture Product Offered

11.12.3 Precision Hawk Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.12.4 Precision Hawk Main Business Overview

11.12.5 Precision Hawk Latest Developments

### 11.13 Granular

11.13.1 Granular Company Information

11.13.2 Granular Artificial Intelligence in Agriculture Product Offered

11.13.3 Granular Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.13.4 Granular Main Business Overview

11.13.5 Granular Latest Developments

### 11.14 Prospera

11.14.1 Prospera Company Information

11.14.2 Prospera Artificial Intelligence in Agriculture Product Offered

11.14.3 Prospera Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.14.4 Prospera Main Business Overview

11.14.5 Prospera Latest Developments

### 11.15 Cainthus

11.15.1 Cainthus Company Information

11.15.2 Cainthus Artificial Intelligence in Agriculture Product Offered

11.15.3 Cainthus Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.15.4 Cainthus Main Business Overview

11.15.5 Cainthus Latest Developments

### 11.16 Spensa Technologies

11.16.1 Spensa Technologies Company Information

11.16.2 Spensa Technologies Artificial Intelligence in Agriculture Product Offered

11.16.3 Spensa Technologies Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.16.4 Spensa Technologies Main Business Overview

11.16.5 Spensa Technologies Latest Developments

### 11.17 Resson

11.17.1 Resson Company Information

11.17.2 Resson Artificial Intelligence in Agriculture Product Offered

11.17.3 Resson Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.17.4 Resson Main Business Overview

11.17.5 Resson Latest Developments

### 11.18 FarmBot

11.18.1 FarmBot Company Information

11.18.2 FarmBot Artificial Intelligence in Agriculture Product Offered

11.18.3 FarmBot Artificial Intelligence in Agriculture Revenue, Gross Margin and

## Market Share (2019-2024)

11.18.4 FarmBot Main Business Overview

11.18.5 FarmBot Latest Developments

## 11.19 Connecterra

11.19.1 Connecterra Company Information

11.19.2 Connecterra Artificial Intelligence in Agriculture Product Offered

11.19.3 Connecterra Artificial Intelligence in Agriculture Revenue, Gross Margin and

## Market Share (2019-2024)

11.19.4 Connecterra Main Business Overview

11.19.5 Connecterra Latest Developments

## 11.20 Vision Robotics

11.20.1 Vision Robotics Company Information

11.20.2 Vision Robotics Artificial Intelligence in Agriculture Product Offered

11.20.3 Vision Robotics Artificial Intelligence in Agriculture Revenue, Gross Margin

## and Market Share (2019-2024)

11.20.4 Vision Robotics Main Business Overview

11.20.5 Vision Robotics Latest Developments

## 11.21 Harvest Croo

11.21.1 Harvest Croo Company Information

11.21.2 Harvest Croo Artificial Intelligence in Agriculture Product Offered

11.21.3 Harvest Croo Artificial Intelligence in Agriculture Revenue, Gross Margin and

## Market Share (2019-2024)

11.21.4 Harvest Croo Main Business Overview

11.21.5 Harvest Croo Latest Developments

## 11.22 Autonomous Tractor Corporation

11.22.1 Autonomous Tractor Corporation Company Information

11.22.2 Autonomous Tractor Corporation Artificial Intelligence in Agriculture Product Offered

## 11.22.3 Autonomous Tractor Corporation Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.22.4 Autonomous Tractor Corporation Main Business Overview

11.22.5 Autonomous Tractor Corporation Latest Developments

## 11.23 Trace Genomics

11.23.1 Trace Genomics Company Information

11.23.2 Trace Genomics Artificial Intelligence in Agriculture Product Offered

11.23.3 Trace Genomics Artificial Intelligence in Agriculture Revenue, Gross Margin

## and Market Share (2019-2024)

11.23.4 Trace Genomics Main Business Overview

11.23.5 Trace Genomics Latest Developments

## 11.24 Vine Rangers

11.24.1 Vine Rangers Company Information

11.24.2 Vine Rangers Artificial Intelligence in Agriculture Product Offered

11.24.3 Vine Rangers Artificial Intelligence in Agriculture Revenue, Gross Margin and Market Share (2019-2024)

11.24.4 Vine Rangers Main Business Overview

11.24.5 Vine Rangers Latest Developments

## **12 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Artificial Intelligence in Agriculture Market Size CAGR by Region (2019 VS 2023 VS 2030) & (\$ Millions)

Table 2. Major Players of Machine Learning

Table 3. Major Players of Computer Vision

Table 4. Artificial Intelligence in Agriculture Market Size CAGR by Type (2019 VS 2023 VS 2030) & (\$ Millions)

Table 5. Global Artificial Intelligence in Agriculture Market Size by Type (2019-2024) & (\$ Millions)

Table 6. Global Artificial Intelligence in Agriculture Market Size Market Share by Type (2019-2024)

Table 7. Artificial Intelligence in Agriculture Market Size CAGR by Application (2019 VS 2023 VS 2030) & (\$ Millions)

Table 8. Global Artificial Intelligence in Agriculture Market Size by Application (2019-2024) & (\$ Millions)

Table 9. Global Artificial Intelligence in Agriculture Market Size Market Share by Application (2019-2024)

Table 10. Global Artificial Intelligence in Agriculture Revenue by Players (2019-2024) & (\$ Millions)

Table 11. Global Artificial Intelligence in Agriculture Revenue Market Share by Player (2019-2024)

Table 12. Artificial Intelligence in Agriculture Key Players Head office and Products Offered

Table 13. Artificial Intelligence in Agriculture Concentration Ratio (CR3, CR5 and CR10) & (2022-2024)

Table 14. New Products and Potential Entrants

Table 15. Mergers & Acquisitions, Expansion

Table 16. Global Artificial Intelligence in Agriculture Market Size by Regions 2019-2024 & (\$ Millions)

Table 17. Global Artificial Intelligence in Agriculture Market Size Market Share by Regions (2019-2024)

Table 18. Global Artificial Intelligence in Agriculture Revenue by Country/Region (2019-2024) & (\$ millions)

Table 19. Global Artificial Intelligence in Agriculture Revenue Market Share by Country/Region (2019-2024)

Table 20. Americas Artificial Intelligence in Agriculture Market Size by Country



(2019-2024) & (\$ Millions)

Table 21. Americas Artificial Intelligence in Agriculture Market Size Market Share by Country (2019-2024)

Table 22. Americas Artificial Intelligence in Agriculture Market Size by Type (2019-2024) & (\$ Millions)

Table 23. Americas Artificial Intelligence in Agriculture Market Size Market Share by Type (2019-2024)

Table 24. Americas Artificial Intelligence in Agriculture Market Size by Application (2019-2024) & (\$ Millions)

Table 25. Americas Artificial Intelligence in Agriculture Market Size Market Share by Application (2019-2024)

Table 26. APAC Artificial Intelligence in Agriculture Market Size by Region (2019-2024) & (\$ Millions)

Table 27. APAC Artificial Intelligence in Agriculture Market Size Market Share by Region (2019-2024)

Table 28. APAC Artificial Intelligence in Agriculture Market Size by Type (2019-2024) & (\$ Millions)

Table 29. APAC Artificial Intelligence in Agriculture Market Size Market Share by Type (2019-2024)

Table 30. APAC Artificial Intelligence in Agriculture Market Size by Application (2019-2024) & (\$ Millions)

Table 31. APAC Artificial Intelligence in Agriculture Market Size Market Share by Application (2019-2024)

Table 32. Europe Artificial Intelligence in Agriculture Market Size by Country (2019-2024) & (\$ Millions)

Table 33. Europe Artificial Intelligence in Agriculture Market Size Market Share by Country (2019-2024)

Table 34. Europe Artificial Intelligence in Agriculture Market Size by Type (2019-2024) & (\$ Millions)

Table 35. Europe Artificial Intelligence in Agriculture Market Size Market Share by Type (2019-2024)

Table 36. Europe Artificial Intelligence in Agriculture Market Size by Application (2019-2024) & (\$ Millions)

Table 37. Europe Artificial Intelligence in Agriculture Market Size Market Share by Application (2019-2024)

Table 38. Middle East & Africa Artificial Intelligence in Agriculture Market Size by Region (2019-2024) & (\$ Millions)

Table 39. Middle East & Africa Artificial Intelligence in Agriculture Market Size Market Share by Region (2019-2024)

Table 40. Middle East & Africa Artificial Intelligence in Agriculture Market Size by Type (2019-2024) & (\$ Millions)

Table 41. Middle East & Africa Artificial Intelligence in Agriculture Market Size Market Share by Type (2019-2024)

Table 42. Middle East & Africa Artificial Intelligence in Agriculture Market Size by Application (2019-2024) & (\$ Millions)

Table 43. Middle East & Africa Artificial Intelligence in Agriculture Market Size Market Share by Application (2019-2024)

Table 44. Key Market Drivers & Growth Opportunities of Artificial Intelligence in Agriculture

Table 45. Key Market Challenges & Risks of Artificial Intelligence in Agriculture

Table 46. Key Industry Trends of Artificial Intelligence in Agriculture

Table 47. Global Artificial Intelligence in Agriculture Market Size Forecast by Regions (2025-2030) & (\$ Millions)

Table 48. Global Artificial Intelligence in Agriculture Market Size Market Share Forecast by Regions (2025-2030)

Table 49. Global Artificial Intelligence in Agriculture Market Size Forecast by Type (2025-2030) & (\$ Millions)

Table 50. Global Artificial Intelligence in Agriculture Market Size Forecast by Application (2025-2030) & (\$ Millions)

Table 51. IBM Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 52. IBM Artificial Intelligence in Agriculture Product Offered

Table 53. IBM Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 54. IBM Main Business

Table 55. IBM Latest Developments

Table 56. John Deere Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 57. John Deere Artificial Intelligence in Agriculture Product Offered

Table 58. John Deere Main Business

Table 59. John Deere Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 60. John Deere Latest Developments

Table 61. Microsoft Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 62. Microsoft Artificial Intelligence in Agriculture Product Offered

Table 63. Microsoft Main Business

Table 64. Microsoft Artificial Intelligence in Agriculture Revenue (\$ million), Gross

Margin and Market Share (2019-2024)

Table 65. Microsoft Latest Developments

Table 66. Agribotix Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 67. Agribotix Artificial Intelligence in Agriculture Product Offered

Table 68. Agribotix Main Business

Table 69. Agribotix Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 70. Agribotix Latest Developments

Table 71. The Climate Corporation Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 72. The Climate Corporation Artificial Intelligence in Agriculture Product Offered

Table 73. The Climate Corporation Main Business

Table 74. The Climate Corporation Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 75. The Climate Corporation Latest Developments

Table 76. ec2ce Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 77. ec2ce Artificial Intelligence in Agriculture Product Offered

Table 78. ec2ce Main Business

Table 79. ec2ce Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 80. ec2ce Latest Developments

Table 81. Descartes Labs Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 82. Descartes Labs Artificial Intelligence in Agriculture Product Offered

Table 83. Descartes Labs Main Business

Table 84. Descartes Labs Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 85. Descartes Labs Latest Developments

Table 86. Sky Squirrel Technologies Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 87. Sky Squirrel Technologies Artificial Intelligence in Agriculture Product Offered

Table 88. Sky Squirrel Technologies Main Business

Table 89. Sky Squirrel Technologies Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 90. Sky Squirrel Technologies Latest Developments

Table 91. Mavrx Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 92. Mavrx Artificial Intelligence in Agriculture Product Offered

Table 93. Mavrx Main Business

Table 94. Mavrx Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 95. Mavrx Latest Developments

Table 96. aWhere Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 97. aWhere Artificial Intelligence in Agriculture Product Offered

Table 98. aWhere Main Business

Table 99. aWhere Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 100. aWhere Latest Developments

Table 101. Gamaya Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 102. Gamaya Artificial Intelligence in Agriculture Product Offered

Table 103. Gamaya Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 104. Gamaya Main Business

Table 105. Gamaya Latest Developments

Table 106. Precision Hawk Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 107. Precision Hawk Artificial Intelligence in Agriculture Product Offered

Table 108. Precision Hawk Main Business

Table 109. Precision Hawk Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 110. Precision Hawk Latest Developments

Table 111. Granular Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 112. Granular Artificial Intelligence in Agriculture Product Offered

Table 113. Granular Main Business

Table 114. Granular Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 115. Granular Latest Developments

Table 116. Prospera Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors

Table 117. Prospera Artificial Intelligence in Agriculture Product Offered

Table 118. Prospera Main Business

Table 119. Prospera Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)

- Table 120. Prospera Latest Developments
- Table 121. Cainthus Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 122. Cainthus Artificial Intelligence in Agriculture Product Offered
- Table 123. Cainthus Main Business
- Table 124. Cainthus Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 125. Cainthus Latest Developments
- Table 126. Spensa Technologies Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 127. Spensa Technologies Artificial Intelligence in Agriculture Product Offered
- Table 128. Spensa Technologies Main Business
- Table 129. Spensa Technologies Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 130. Spensa Technologies Latest Developments
- Table 131. Resson Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 132. Resson Artificial Intelligence in Agriculture Product Offered
- Table 133. Resson Main Business
- Table 134. Resson Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 135. Resson Latest Developments
- Table 136. FarmBot Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 137. FarmBot Artificial Intelligence in Agriculture Product Offered
- Table 138. FarmBot Main Business
- Table 139. FarmBot Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 140. FarmBot Latest Developments
- Table 141. Connecterra Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 142. Connecterra Artificial Intelligence in Agriculture Product Offered
- Table 143. Connecterra Main Business
- Table 144. Connecterra Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 145. Connecterra Latest Developments
- Table 146. Vision Robotics Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 147. Vision Robotics Artificial Intelligence in Agriculture Product Offered

- Table 148. Vision Robotics Main Business
- Table 149. Vision Robotics Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 150. Vision Robotics Latest Developments
- Table 151. Harvest Croo Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 152. Harvest Croo Artificial Intelligence in Agriculture Product Offered
- Table 153. Harvest Croo Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 154. Harvest Croo Main Business
- Table 155. Harvest Croo Latest Developments
- Table 156. Autonomous Tractor Corporation Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 157. Autonomous Tractor Corporation Artificial Intelligence in Agriculture Product Offered
- Table 158. Autonomous Tractor Corporation Main Business
- Table 159. Autonomous Tractor Corporation Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 160. Autonomous Tractor Corporation Latest Developments
- Table 161. Trace Genomics Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 162. Trace Genomics Artificial Intelligence in Agriculture Product Offered
- Table 163. Trace Genomics Main Business
- Table 164. Trace Genomics Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 165. Trace Genomics Latest Developments
- Table 166. Vine Rangers Details, Company Type, Artificial Intelligence in Agriculture Area Served and Its Competitors
- Table 167. Vine Rangers Artificial Intelligence in Agriculture Product Offered
- Table 168. Vine Rangers Main Business
- Table 169. Vine Rangers Artificial Intelligence in Agriculture Revenue (\$ million), Gross Margin and Market Share (2019-2024)
- Table 170. Vine Rangers Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Artificial Intelligence in Agriculture Report Years Considered
- Figure 2. Research Objectives
- Figure 3. Research Methodology
- Figure 4. Research Process and Data Source
- Figure 5. Global Artificial Intelligence in Agriculture Market Size Growth Rate 2019-2030 (\$ Millions)
- Figure 6. Artificial Intelligence in Agriculture Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Figure 7. Artificial Intelligence in Agriculture Sales Market Share by Country/Region (2023)
- Figure 8. Artificial Intelligence in Agriculture Sales Market Share by Country/Region (2019, 2023 & 2030)
- Figure 9. Global Artificial Intelligence in Agriculture Market Size Market Share by Type in 2023
- Figure 10. Artificial Intelligence in Agriculture in Precision Farming
- Figure 11. Global Artificial Intelligence in Agriculture Market: Precision Farming (2019-2024) & (\$ Millions)
- Figure 12. Artificial Intelligence in Agriculture in Drone Analytics
- Figure 13. Global Artificial Intelligence in Agriculture Market: Drone Analytics (2019-2024) & (\$ Millions)
- Figure 14. Artificial Intelligence in Agriculture in Agriculture Robots
- Figure 15. Global Artificial Intelligence in Agriculture Market: Agriculture Robots (2019-2024) & (\$ Millions)
- Figure 16. Global Artificial Intelligence in Agriculture Market Size Market Share by Application in 2023
- Figure 17. Global Artificial Intelligence in Agriculture Revenue Market Share by Player in 2023
- Figure 18. Global Artificial Intelligence in Agriculture Market Size Market Share by Regions (2019-2024)
- Figure 19. Americas Artificial Intelligence in Agriculture Market Size 2019-2024 (\$ Millions)
- Figure 20. APAC Artificial Intelligence in Agriculture Market Size 2019-2024 (\$ Millions)
- Figure 21. Europe Artificial Intelligence in Agriculture Market Size 2019-2024 (\$ Millions)
- Figure 22. Middle East & Africa Artificial Intelligence in Agriculture Market Size 2019-2024 (\$ Millions)

Figure 23. Americas Artificial Intelligence in Agriculture Value Market Share by Country in 2023

Figure 24. United States Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 25. Canada Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 26. Mexico Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 27. Brazil Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 28. APAC Artificial Intelligence in Agriculture Market Size Market Share by Region in 2023

Figure 29. APAC Artificial Intelligence in Agriculture Market Size Market Share by Type in 2023

Figure 30. APAC Artificial Intelligence in Agriculture Market Size Market Share by Application in 2023

Figure 31. China Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 32. Japan Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 33. Korea Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 34. Southeast Asia Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 35. India Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 36. Australia Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 37. Europe Artificial Intelligence in Agriculture Market Size Market Share by Country in 2023

Figure 38. Europe Artificial Intelligence in Agriculture Market Size Market Share by Type (2019-2024)

Figure 39. Europe Artificial Intelligence in Agriculture Market Size Market Share by Application (2019-2024)

Figure 40. Germany Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 41. France Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 42. UK Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$



Millions)

Figure 43. Italy Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 44. Russia Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 45. Middle East & Africa Artificial Intelligence in Agriculture Market Size Market Share by Region (2019-2024)

Figure 46. Middle East & Africa Artificial Intelligence in Agriculture Market Size Market Share by Type (2019-2024)

Figure 47. Middle East & Africa Artificial Intelligence in Agriculture Market Size Market Share by Application (2019-2024)

Figure 48. Egypt Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 49. South Africa Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 50. Israel Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 51. Turkey Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 52. GCC Country Artificial Intelligence in Agriculture Market Size Growth 2019-2024 (\$ Millions)

Figure 53. Americas Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 54. APAC Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 55. Europe Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 56. Middle East & Africa Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 57. United States Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 58. Canada Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 59. Mexico Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 60. Brazil Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 61. China Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 62. Japan Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 63. Korea Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 64. Southeast Asia Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 65. India Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 66. Australia Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 67. Germany Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 68. France Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 69. UK Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 70. Italy Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 71. Russia Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 72. Spain Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 73. Egypt Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 74. South Africa Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 75. Israel Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 76. Turkey Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 77. GCC Countries Artificial Intelligence in Agriculture Market Size 2025-2030 (\$ Millions)

Figure 78. Global Artificial Intelligence in Agriculture Market Size Market Share Forecast by Type (2025-2030)

Figure 79. Global Artificial Intelligence in Agriculture Market Size Market Share Forecast by Application (2025-2030)

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