

Americas Smart Farming Market: Focus on Solutions (Hardware Systems, Software, Services) and Applications (Precision Crop Farming, Livestock Monitoring and Management, Indoor Farming and Aquaculture)—Analysis & Forecast 2018-2023

https://marketpublishers.com/r/AC633D9BC4D2EN.html

Date: August 2018

Pages: 195

Price: US\$ 5,000.00 (Single User License)

ID: AC633D9BC4D2EN

Abstracts

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at order@marketpublishers.com with your request.

Over the last decade, the Americas agricultural industry has witnessed a massive transformation owing to the increasing demand for sustainable farming practices. Rising population and high-income growth have resulted in growing concerns of food security across the region. Various agricultural start-ups and technology innovators are developing numerous sustainable farming systems. With the rapid employment of smart farming solutions, farmers are able to enhance the production yield by increasing inputs and efficient management of farm enterprises. The advent of innovative farm management techniques has resulted in reduced energy consumption and overall cost-effective operations owing to the software's more precise and resource-efficient approach. As a result, the smart farming industry is anticipated to progress due to the ever-growing affinity for more convenient and smart farming solutions than the traditional methods.

The market research study offers a wide perspective of the different types of solutions and applications pertaining to the Americas smart farming market and analyzes their impact on the farming sector of the region by providing critical insights into the direction of the market's future expansion. The research is based on extensive primary interviews (in-house experts, industry leaders, and market players) and secondary research (a host of paid and unpaid databases), along with the analytical tools that have



been used to build the forecast and the predictive models.

The report answers the following questions about the Americas smart farming market:

What is the Americas smart farming market size in terms of revenue along with the growth rate during the forecast period 2018-2023?

What is the revenue generated by the different smart farming solutions such as hardware systems, software, and services?

What are the major types of applications in the smart farming market in terms of revenue generation and future growth?

What is the anticipated market size for different countries based on various solutions and applications during the forecast period?

How attractive is the smart farming market for different stakeholders present in the industry as per the analysis of the complete supply chain?

What are the major driving forces that are expected to increase the demand for smart farming during the forecast period?

What are the major challenges inhibiting the growth of the market?

What are the upcoming trends and opportunities in this market?

What kinds of new strategies are adopted by the existing market players to expand their market position in the industry?

What is the competitive strength of the key players in the Americas smart farming market in terms of their recent developments, product offerings, and country presence?

The report includes a thorough analysis of the impact of the five major forces to understand the overall attractiveness of the industry. The report also focuses on the key developments and investments made in the Americas smart farming market by the players and the government. Further, the report includes an exhaustive analysis of all the leading countries in the region. AGCO Corporation, CNH Industrial, Deere and



Company, Hexagon Agriculture, Topcon Positioning Group, Trimble Inc., Allflex Inc., Boumatic LLC, FBS Systems, GAO RFID Inc., Cree Inc., General Hydroponics, and XpertSea. are some of the leading players in this market.



Contents

EXECUTIVE SUMMARY

1 MARKET DYNAMICS

- 1.1 Market Drivers
 - 1.1.1 Demand for Higher Crop Yield
- 1.1.2 Growing Market Penetration of Information and Communication Technologies in Farming
 - 1.1.3 Increasing Need for Climate-Smart Farming
 - 1.1.4 Increasing Dairy Farm Size
- 1.2 Market Restraints
 - 1.2.1 High Initial Investment
 - 1.2.2 Lack of Awareness and Infrastructure in Emerging Economies
- 1.3 Market Opportunities
 - 1.3.1 Increasing Market Opportunities in Developing Countries
 - 1.3.2 Increased Cloud Security
 - 1.3.3 Impact of 3D Printing on Farming
 - 1.3.4 Securing the Agriculture Value Chain with Blockchain
 - 1.3.5 Farm Data Management with Big Data

2 COMPETITIVE INSIGHTS

- 2.1 Key Market Developments and Strategies
 - 2.1.1 Product Launches and Development
 - 2.1.2 Partnerships, Collaborations, and Joint Ventures
 - 2.1.3 Business Expansion and Contracts
 - 2.1.4 Mergers and Acquisitions
 - 2.1.5 Others (Awards and Recognitions)
- 2.2 Market Share Analysis

3 INDUSTRY ANALYSIS

- 3.1 Industry Attractiveness
 - 3.1.1 Threat of New Entrants
 - 3.1.2 Bargaining Power of Buyers
 - 3.1.3 Bargaining Power of Suppliers
 - 3.1.4 Threat from Substitutes



- 3.1.5 Intensity of Competitive Rivalry
- 3.2 Agricultural Robots Emerging Trend in Smart Farming
 - 3.2.1 Types of Agricultural Robots for Smart Farming
 - 3.2.1.1 Unmanned Aerial Vehicles (UAVs)/Drones
 - 3.2.1.2 Milking Robots
 - 3.2.1.3 Harvesting and Picking Robots
 - 3.2.1.4 Others
 - 3.2.2 Applications of Agricultural Robots for Smart Farming
 - 3.2.2.1 Crop Management
 - 3.2.2.2 Dairy Farm Management
 - 3.2.2.3 Soil Management
 - 3.2.2.4 Irrigation Management
 - 3.2.2.5 Others
 - 3.2.3 Driverless Tractors Upcoming Agricultural Robot Type

4 AMERICAS SMART FARMING MARKET (BY SOLUTION)

- 4.1 Assumptions and Limitations for Analysis and Forecast of the Americas Smart Farming Market
- 4.2 Market Overview
 - 4.2.1 Hardware Systems
 - 4.2.1.1 Automation and Control Systems
 - 4.2.1.1.1 Displays/Yield Monitors
 - 4.2.1.1.2 Flow and Application Rate Control Valves
 - 4.2.1.1.3 Handheld Computers/Mobile Devices
 - 4.2.1.1.4 Agricultural Cameras
 - 4.2.1.1.5 Others
 - 4.2.1.2 Sensing and Navigation Systems
 - 4.2.1.2.1 Sensing Systems
 - 4.2.1.2.2 GPS/GNSS Systems
 - 4.2.1.2.3 Guidance and Steering Systems
 - 4.2.1.2.4 RFID Tags and Readers
 - 4.2.1.3 Indoor Farming Equipment
 - 4.2.1.3.1 Climate Control Systems
 - 4.2.1.3.2 LED Grow Lights
 - 4.2.1.3.3 Others
 - 4.2.1.4 Other Hardware Systems
 - 4.2.2 Software
 - 4.2.2.1 On-Cloud Delivery Model



- 4.2.2.2 On-Premise Delivery Model
- 4.2.3 Services
 - 4.2.3.1 Integration and Deployment
 - 4.2.3.2 Maintenance and Support
 - 4.2.3.3 Other Services

5 AMERICAS SMART FARMING MARKET (BY APPLICATION)

- 5.1 Precision Crop Farming
- 5.2 Livestock Monitoring and Management
- 5.3 Indoor Farming
- 5.4 Aquaculture
- 5.5 Others

6 AMERICAS SMART FARMING MARKET (BY COUNTRY)

- 6.1 The U.S.
- 6.2 Brazil
- 6.3 Argentina
- 6.4 Canada
- 6.5 Mexico
- 6.6 Colombia
- 6.7 Chile
- 6.8 Rest-of-Americas

7 COMPANY PROFILES

Precision Crop Farming and Farm Management

- 7.1 AGCO Corporation
 - 7.1.1 Company Overview
 - 7.1.2 Product Portfolio
 - 7.1.3 Financials
 - 7.1.3.1 Financial Summary
 - 7.1.4 SWOT Analysis
- 7.2 CNH Industrial
 - 7.2.1 Company Overview
 - 7.2.2 Product Portfolio
 - 7.2.3 Financials
 - 7.2.3.1 Financial Summary



- 7.2.4 SWOT Analysis
- 7.3 Deere and Company
 - 7.3.1 Company Overview
 - 7.3.2 Product Portfolio
 - 7.3.3 Financials
 - 7.3.3.1 Financial Summary
 - 7.3.4 SWOT Analysis
- 7.4 Hexagon Agriculture
 - 7.4.1 Company Overview
 - 7.4.2 Product Portfolio
 - 7.4.3 Corporate Summary
 - 7.4.4 SWOT Analysis
- 7.5 Topcon Positioning Systems Inc.
 - 7.5.1 Company Overview
 - 7.5.2 Product Portfolio
 - 7.5.3 Corporate Summary
 - 7.5.4 SWOT Analysis
- 7.6 Trimble Inc.
 - 7.6.1 Company Overview
 - 7.6.2 Product Portfolio
 - 7.6.3 Financials
 - 7.6.3.1 Financial Summary
 - 7.6.4 SWOT Analysis

Livestock Monitoring and Management

- 7.7 Allflex USA Inc.
 - 7.7.1 Company Overview
 - 7.7.2 Product Portfolio
 - 7.7.3 Corporate Summary
 - 7.7.4 SWOT Analysis
- 7.8 Boumatic LLC
 - 7.8.1 Company Overview
 - 7.8.2 Product Portfolio
 - 7.8.3 Corporate Summary
 - 7.8.4 SWOT Analysis
- 7.9 FBS Systems Inc.
 - 7.9.1 Company Overview
 - 7.9.2 Product Portfolio
 - 7.9.3 Corporate Summary
 - 7.9.4 SWOT Analysis



7.10 GAO RFID Inc.

- 7.10.1 Company Overview
- 7.10.2 Product Portfolio
- 7.10.3 Corporate Summary
- 7.10.4 SWOT Analysis

Indoor Farming

- 7.11 Cree Inc.
 - 7.11.1 Company Overview
 - 7.11.2 Product Portfolio
 - 7.11.3 Financials
 - 7.11.3.1 Financial Summary
 - 7.11.4 SWOT Analysis
- 7.12 General Hydroponics
 - 7.12.1 Company Overview
 - 7.12.2 Product Portfolio
 - 7.12.3 Corporate Summary
 - 7.12.4 SWOT Analysis

Aquaculture

- 7.13 XpertSea
 - 7.13.1 Company Overview
 - 7.13.2 Product Portfolio
 - 7.13.3 Corporate Summary
 - 7.13.4 SWOT Analysis

8 REPORT SCOPE & METHODOLOGY

- 8.1 Report Scope
- 8.2 Americas Smart Farming Market Research Methodology
 - 8.2.1 Assumptions
 - 8.2.2 Limitations
 - 8.2.3 Primary Data Sources
 - 8.2.4 Secondary Data Sources
 - 8.2.5 Data Triangulation
 - 8.2.6 Market Estimation and Forecast

9 ANNEXURE A: LIST OF KEY STRATEGIES AND DEVELOPMENTS (APRIL 2015-APRIL 2018)



List Of Tables

LIST OF TABLES

Table 3.1 Analyzing the Threat of Ne

- Table 3.2 Analyzing Bargaining Power of Buyers
- Table 3.3 Analyzing the Bargaining Power of Suppliers
- Table 3.4 Analyzing the Threat from Substitutes
- Table 3.5 Analyzing the Intensity of Competitive Rivalry
- Table 3.6 UAVs/Drones by Leading Companies for Smart Farming
- Table 3.7 Milking Robots by Leading Companies for Smart Farming
- Table 3.8 Harvesting and Picking Robots by Leading Companies for Smart Farming
- Table 3.9 Other Agricultural Robots by Leading Companies for Smart Farming
- Table 3.10 Driverless Tractors by Leading Companies for Smart Farming
- Table 4.1 Americas Smart Farming Market (by Solution), 2017-2023
- Table 4.2 Hardware Systems in Americas Smart Farming Market (by Type), 2017-2022
- Table 4.3 Displays/Yield Monitors by Key Companies
- Table 4.4 Flow and Application Rate Control Valves by Key Companies
- Table 4.5 Handheld Computers/Mobile Devices by Key Companies
- Table 4.6 Agricultural Cameras by Key Companies
- Table 4.7 Other Automation and Control Systems by Key Companies
- Table 4.8 GPS/GNSS Systems by Key Companies
- Table 4.9 Guidance and Steering Systems by Key Companies
- Table 4.10 RFID Tags and Readers by Key Companies
- Table 4.11 Climate Control Systems by Key Companies
- Table 4.12 LED Grow Lights by Key Companies
- Table 4.13 Other Indoor Farming Equipment by Key Companies
- Table 4.14 Other Hardware Systems by Key Companies
- Table 4.15 Software by Key Companies
- Table 4.16 Software in Americas Smart Farming Market (by Delivery Model), 2017-2023
- Table 4.17 Smart Farming Services Offered by Key Companies
- Table 4.18 Services in Americas Smart Farming Market, (by Type), 2017-2023
- Table 6.1 Americas Smart Farming Market (by Country), 2017-2023
- Table 6.2 Key Developments in the U.S. Smart Farming Market
- Table 6.3 Key Developments in Brazil Smart Farming Market
- Table 6.4 Key Developments in Argentina Smart Farming Market
- Table 7.1 AGCO Corporation: Product Portfolio
- Table 7.2 CNH Industrial: Product Portfolio
- Table 7.3 Deere and Company: Product Portfolio



Table 7.4 Hexagon Agriculture: Product Portfolio

Table 7.5 Topcon Positioning Systems Inc.: Product Portfolio

Table 7.6 Trimble Inc.: Product Portfolio

Table 7.7 Allflex Inc.: Product Portfolio

Table 7.8 Boumatic LLC: Product Portfolio

Table 7.9 FBS Systems Inc.: Product Portfolio

Table 7.10 GAO RFID Inc.: Product Portfolio

Table 7.11 Cree Inc.: Product Portfolio

Table 7.12 Product Portfolio: General Hydroponics

Table 7.13 Product Portfolio: XpertSea



List Of Figures

LIST OF FIGURES

Figure 1 Macroeconomic Trends Impacting Americas Farming Indus	Figure	1	Macroeconomic	Trends	Impacting	Americas	Farming	Indust
--	--------	---	---------------	--------	------------------	----------	---------	--------

- Figure 2 Drivers and Restraints: Americas Smart Farming Market
- Figure 3 Types and Applications of Agricultural Robots
- Figure 4 Americas Smart Farming Market Snapshot
- Figure 5 Americas Smart Farming Market (by Solution), 2018 and 2023
- Figure 6 Americas Smart Farming Market (by Application), \$Billion, 2018-2023
- Figure 7 Americas Smart Farming Market Size (by Country), 2017
- Figure 1.1 Market Dynamics
- Figure 1.2 Impact Analysis of Drivers
- Figure 1.3 Role of ICT in Farming
- Figure 1.4 Impact Analysis of Restraints
- Figure 1.5 Contribution of 3D Printing Applications, 2017 and 2022
- Figure 1.6 Applications of Blockchain Technology in Agriculture
- Figure 2.1 Strategies Adopted by the Key Players
- Figure 2.2 Share of Key Market Strategies and Developments
- Figure 2.3 Product Launches and Development Share (by Companies)
- Figure 2.4 Partnerships, Collaborations, and Joint Ventures Share (by Companies)
- Figure 2.5 Business Expansion and Contracts Share (by Companies)
- Figure 2.6 Mergers and Acquisitions Share (by Companies)
- Figure 2.7 Precision Crop Farming Technology Vendors Market Share Analysis, 2017
- Figure 3.1 Porter's Five Forces Analysis for Americas Smart Farming Market
- Figure 3.2 Opportunities and Challenges for Agricultural Robots
- Figure 3.3 Types of Agricultural Robots
- Figure 3.4 Key Types of UAV/Drone
- Figure 3.5 Major Applications of UAV/Drone for Smart Farming
- Figure 3.6 Benefits of Milking Robots
- Figure 3.7 Applications of Agricultural Robots
- Figure 3.8 Advantages of Driverless Tractors in Farming
- Figure 4.1 Major Smart Farming Solutions
- Figure 4.2 Americas Smart Farming Market (by Solution), 2018 and 2023
- Figure 4.3 Hardware Systems in Americas Smart Farming Market, 2017-2023
- Figure 4.4 Types of Automation and Control Systems
- Figure 4.5 Hardware Systems in Americas Smart Farming Market (Automation and
- Control Systems), 2017-2023
- Figure 4.6 Types of Sensing and Navigation Systems



Figure 4.7 Hardware Systems in Americas Smart Farming Market (Sensing and Navigation Systems), 2017-2023

Figure 4.8 Types of Indoor Farming Equipment

Figure 4.9 Hardware Systems in Americas Smart Farming Market (Indoor Farming Equipment), 2017-2023

Figure 4.10 Other Hardware Systems Market in Americas Smart Farming Market, 2017-2023

Figure 4.11 Software in Americas Smart Farming Market, 2017-2023

Figure 4.12 Advantages of On-Cloud Delivery Model

Figure 4.13 Advantages of On-Premise Delivery Model

Figure 4.14 Services in Americas Smart Farming Market, 2017-2023

Figure 4.15 Types of Services in Smart Farming Market

Figure 5.1 Applications of Smart Farming Technologies

Figure 5.2 Americas Smart Farming Market (by Application), 2018 and 2023

Figure 5.3 Americas Precision Crop Farming Market, 2017-2023

Figure 5.4 Americas Livestock Monitoring and Management Market, 2017-2023

Figure 5.5 Americas Indoor Farming Market, 2017-2023

Figure 5.6 Americas Aquaculture Market, 2017-2023

Figure 6.1 Americas Smart Farming Market (by Country), 2018 and 2023

Figure 6.2 Smartphone Market Penetration in the U.S., 2012-2016 (%)

Figure 6.3 The U.S. Smart Farming Market, 2017-2023

Figure 6.4 Brazil Smart Farming Market, 2017-2023

Figure 6.5 Argentina Smart Farming Market, 2017-2023

Figure 6.6 Average Farm Size and the Number of Farms in Canada, 2006, 2011, and 2016

Figure 6.7 Canada Smart Farming Market, 2017-2023

Figure 6.8 Mexico Smart Farming Market, 2017-2023

Figure 6.9 Colombia Smart Farming Market, 2017-2023

Figure 6.10 Chile Smart Farming Market, 2017-2023

Figure 6.11 Rest of Americas Smart Farming Market, 2017-2023

Figure 7.1 Share of Key Companies

Figure 7.2 AGCO Corporation: Overall Financials, 2015-2017

Figure 7.3 AGCO Corporation: Net Revenue (by Region), 2015-2016

Figure 7.4 AGCO Corporation: Net Revenue (by Region), 2017

Figure 7.5 AGCO Corporation: Net Revenue by Business Segment, 2015-2017

Figure 7.6 AGCO Corporation: SWOT Analysis

Figure 7.7 CNH Industrial: Overall Financials, 2015-2017

Figure 7.8 CNH Industrial: Net Revenue (by Region), 2015-2017

Figure 7.9 CNH Industrial: Net Revenue by Business Segment, 2015-2017



Figure 7.10 CNH Industrial: SWOT Analysis

Figure 7.11 Deere and Company: Overall Financials, 2015-2017

Figure 7.12 Deere and Company: Net Revenue (by Region), 2015-2017

Figure 7.13 Deere and Company: Net Revenue by Business Segment, 2015-2017

Figure 7.14 Deere and Company: SWOT Analysis

Figure 7.15 Hexagon Agriculture: SWOT Analysis

Figure 7.16 Topcon Positioning Systems Inc.: SWOT Analysis

Figure 7.17 Trimble Inc.: Overall Financials, 2015-2017

Figure 7.18 Trimble Inc.: Net Revenue (by Region), 2015-2017

Figure 7.19 Trimble Inc.: Net Revenue by Business Segment, 2015-2016

Figure 7.20 Trimble Inc.: Net Revenue by Business Segment, 2017

Figure 7.21 Trimble Inc.: SWOT Analysis

Figure 7.22 Allflex Inc.: SWOT Analysis

Figure 7.23 Boumatic LLC: SWOT Analysis

Figure 7.24 FBS Systems Inc.: SWOT Analysis

Figure 7.25 GAO RFID Inc.: SWOT Analysis

Figure 7.26 Cree Inc.: Overall Financials, 2015-2017

Figure 7.27 Cree Inc.: Net Revenue by Business Segment, 2015-2017

Figure 7.28 Cree Inc.: Net Revenue (by Region), 2015-2017

Figure 7.29 Cree Inc.: SWOT Analysis

Figure 7.30 General Hydroponics: SWOT Analysis

Figure 7.31 Xpert Sea: SWOT Analysis

Figure 8.1 Americas Smart Farming Market Scope

Figure 8.2 Report Methodology

Figure 8.3 Primary Interviews Breakdown, by Player, Designation, and Country

Figure 8.4 Sources of Secondary Research

Figure 8.5 Data Triangulation

Figure 8.6 Top Down-Bottom-Up Approach for Market Estimation



I would like to order

Product name: Americas Smart Farming Market: Focus on Solutions (Hardware Systems, Software,

Services) and Applications (Precision Crop Farming, Livestock Monitoring and Management, Indoor Farming and Aquaculture)—Analysis & Forecast 2018-2023

Product link: https://marketpublishers.com/r/AC633D9BC4D2EN.html

Price: US\$ 5,000.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/AC633D9BC4D2EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below



and fax the completed form to +44 20 7900 3970