

# **North America Agriculture IoT Market 2020-2030 by Offering (Hardware, Software, Services), System, Application (Precision Agriculture, Indoor Farming, Livestock, Aquaculture), and Country**

<https://marketpublishers.com/r/N9AF98BAA81DEN.html>

Date: November 2020

Pages: 100

Price: US\$ 2,125.00 (Single User License)

ID: N9AF98BAA81DEN

## **Abstracts**

Internet of Things (IoT) has been transforming modern agriculture industry. North America agriculture IoT market is expected to grow by 13.2% annually in the forecast period and reach \$27.92 billion by 2030 owing to emerging technological advancements and increasing number of government initiatives for IoT applications in agriculture.

Highlighted with 33 tables and 36 figures, this 100-page report “North America Agriculture IoT Market 2020-2030 by Offering (Hardware, Software, Services), System, Application (Precision Agriculture, Indoor Farming, Livestock, Aquaculture), and Country” is based on a holistic research of the entire North America agriculture IoT market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2016-2019 and provides forecast from 2020 till 2030 with 2019 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19. The balanced (most likely) projection is used to quantify North America agriculture IoT market in every aspect of the classification from perspectives of Offering, System, Application, and Country.

Based on Offering, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

Agriculture IoT Hardware

Automation and Control Systems

Sensing and Monitoring Devices

Navigation and Guidance Systems

Agriculture IoT Software

Cloud Based Product

On Premises Product

Agriculture IoT Services

Professional Services

Managed Services

Based on System, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

### Tracking & Positioning Systems

- GNSS/GPS Devices

- RFID

### Monitoring & Detection Systems

- Wireless Sensor Network

- UAVs/Drones

- Auto-steering & Autonomous Vehicles

### Communication Systems

- Network Communication Technologies

- Standards & Protocols

### Cloud Computing

### Data Management Systems

Based on Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2019-2030 included in each section.

### Precision Agriculture IoT

- Crop Health Scouting

- Yield Monitoring

Water, Pest & Fertilizer Management

Climate, Weather & Soil Monitoring

Farm Mapping

Other Applications

#### Indoor Farming IoT

Plant and Yield Monitoring

Lighting Management

Water, Pest & Fertilizer Management

Ambient Environmental Monitoring

Other Applications

#### Livestock Farming IoT

Animal Health Monitoring

Milk Harvesting

Feeding Management

Breeding Management

Geofencing & Mapping

Other Applications

#### Fisheries and Aquaculture IoT

Animal Behavior & Health Monitoring

Feed Monitoring

Aquatic Species Tracking and Navigation

Geofencing & Mapping

Other Applications

Precision Forestry IoT

Other Applications

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2019-2030. The breakdown of key national markets by Offering, System, and Application over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in North America agriculture IoT market are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders identify emerging opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

Key Players (this may not be a complete list and extra companies can be added upon

request):

Ag Leader Technology

AKVA Group ASA

Antelliq

Deepfield Robotics (Bosch)

Deere & Company

Delaval

Eruvaka Technologies

Farmers Edge

GEA Group

Komatsu Forest

Ponsse

PrecisionHawk Inc.

Raven Industries

Smartcultiva Corporation

Topcon Corporation

Trimble Inc.

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

## Contents

### **1 INTRODUCTION**

- 1.1 Industry Definition and Research Scope
  - 1.1.1 Industry Definition
  - 1.1.2 Research Scope
- 1.2 Research Methodology
  - 1.2.1 Overview of Market Research Methodology
  - 1.2.2 Market Assumption
  - 1.2.3 Secondary Data
  - 1.2.4 Primary Data
  - 1.2.5 Data Filtration and Model Design
  - 1.2.6 Market Size/Share Estimation
  - 1.2.7 Research Limitations
- 1.3 Executive Summary

### **2 MARKET OVERVIEW AND DYNAMICS**

- 2.1 Market Size and Forecast
  - 2.1.1 Impact of COVID-19 on World Economy
  - 2.1.2 Impact of COVID-19 on the Market
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

### **3 SEGMENTATION OF NORTH AMERICA MARKET BY OFFERING**

- 3.1 Market Overview by Offering
- 3.2 Agriculture IoT Hardware
- 3.3 Agriculture IoT Software
- 3.4 Agriculture IoT Services

### **4 SEGMENTATION OF NORTH AMERICA MARKET BY SYSTEM**

- 4.1 Market Overview by System
- 4.2 Tracking & Positioning Systems
- 4.3 Monitoring & Detection Systems

- 4.4 Communication Systems
- 4.5 Cloud Computing
- 4.6 Data Management Systems

## **5 SEGMENTATION OF NORTH AMERICA MARKET BY APPLICATION**

- 5.1 Market Overview by Application
- 5.2 Precision Agriculture IoT
- 5.3 Indoor Farming IoT
- 5.4 Livestock Farming IoT
- 5.5 Fisheries and Aquaculture IoT
- 5.6 Precision Forestry IoT
- 5.7 Other Applications

## **6 NORTH AMERICA MARKET 2019-2030 BY COUNTRY**

- 6.1 Overview of North America Market
- 6.2 U.S.
- 6.3 Canada
- 6.4 Mexico

## **7 COMPETITIVE LANDSCAPE**

- 7.1 Overview of Key Vendors
- 7.2 New Product Launch, Partnership, Investment, and M&A
- 7.3 Company Profiles
  - Ag Leader Technology
  - AKVA Group ASA
  - Antelliq
  - Deepfield Robotics (Bosch)
  - Deere & Company
  - Delaval
  - Eruvaka Technologies
  - Farmers Edge
  - GEA Group
  - Komatsu Forest
  - Ponsse
  - PrecisionHawk Inc.
  - Raven Industries



Smartcultiva Corporation  
Topcon Corporation  
Trimble Inc.

## **8 INVESTING IN NORTH AMERICA MARKET: RISK ASSESSMENT AND MANAGEMENT**

8.1 Risk Evaluation of North America Market  
8.2 Critical Success Factors (CSFs)  
Related Reports and Products

## List Of Tables

### LIST OF TABLES

- Table 1. Snapshot of North America Agriculture IoT Market, 2019-2030
- Table 2. Growth Rate of World Real GDP, 2017-2021
- Table 3. Main Product Trends and Market Opportunities in North America Agriculture IoT Market
- Table 4. North America Agriculture IoT Market by Offering, 2019-2030, \$ mn
- Table 5. North America Agriculture IoT Market: Hardware by Type, 2019-2030, \$ mn
- Table 6. North America Agriculture IoT Market: Software by Deployment Mode, 2019-2030, \$ mn
- Table 7. North America Agriculture IoT Market: Service by Type, 2019-2030, \$ mn
- Table 8. North America Agriculture IoT Market by System, 2019-2030, \$ mn
- Table 9. North America Agriculture IoT Market: Tracking & Positioning Systems by Type, 2019-2030, \$ mn
- Table 10. North America Agriculture IoT Market: Monitoring & Detection Systems by Type, 2019-2030, \$ mn
- Table 11. North America Agriculture IoT Market: Communication Systems by Type, 2019-2030, \$ mn
- Table 12. North America Agriculture IoT Market by Application, 2019-2030, \$ mn
- Table 13. North America Agriculture IoT Market: Precision Agriculture IoT by Application, 2019-2030, \$ mn
- Table 14. North America Agriculture IoT Market: Indoor Farming IoT by Application, 2019-2030, \$ mn
- Table 15. North America Agriculture IoT Market: Livestock Farming IoT by Application, 2019-2030, \$ mn
- Table 16. North America Agriculture IoT Market: Fisheries and Aquaculture IoT by Application, 2019-2030, \$ mn
- Table 17. North America Agriculture IoT Market by Country, 2019-2030, \$ mn
- Table 18. U.S. Agriculture IoT Market by Offering, 2019-2030, \$ mn
- Table 19. U.S. Agriculture IoT Market by System, 2019-2030, \$ mn
- Table 20. U.S. Agriculture IoT Market by Application, 2019-2030, \$ mn
- Table 21. Canada Agriculture IoT Market by Offering, 2019-2030, \$ mn
- Table 22. Canada Agriculture IoT Market by System, 2019-2030, \$ mn
- Table 23. Canada Agriculture IoT Market by Application, 2019-2030, \$ mn
- Table 24. Mexico Agriculture IoT Market by Offering, 2019-2030, \$ mn
- Table 25. Mexico Agriculture IoT Market by System, 2019-2030, \$ mn
- Table 26. Mexico Agriculture IoT Market by Application, 2019-2030, \$ mn

- Table 27. Ag Leader Technology: Company Snapshot
- Table 28. Ag Leader Technology: Business Segmentation
- Table 29. Ag Leader Technology: Product Portfolio
- Table 30. Ag Leader Technology: Revenue, 2016-2018, \$ mn
- Table 31. Ag Leader Technology: Recent Developments
- Table 32. Risk Evaluation for Investing in North America Market, 2019-2030
- Table 33. Critical Success Factors and Key Takeaways

## List Of Figures

### LIST OF FIGURES

Figure 1. Research Method Flow Chart

Figure 2. Breakdown of Primary Research

Figure 3. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 4. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2019-2030

Figure 5. North America Agriculture IoT Market, 2019-2030, \$ mn

Figure 6. Impact of COVID-19 on Business

Figure 7. Primary Drivers and Impact Factors of North America Agriculture IoT Market

Figure 8. Primary Restraints and Impact Factors of North America Agriculture IoT Market

Figure 9. Investment Opportunity Analysis

Figure 10. Porter's Five Forces Analysis of North America Agriculture IoT Market

Figure 11. Breakdown of North America Agriculture IoT Market by Offering, 2019-2030, % of Sales Revenue

Figure 12. North America Addressable Market Cap in 2020-2030 by Offering, Value (\$ mn) and Share (%)

Figure 13. North America Agriculture IoT Market: Agriculture IoT Hardware, 2019-2030, \$ mn

Figure 14. North America Agriculture IoT Market: Agriculture IoT Software, 2019-2030, \$ mn

Figure 15. North America Agriculture IoT Market: Agriculture IoT Services, 2019-2030, \$ mn

Figure 16. Breakdown of North America Agriculture IoT Market by System, 2019-2030, % of Sales Revenue

Figure 17. North America Addressable Market Cap in 2020-2030 by System, Value (\$ mn) and Share (%)

Figure 18. North America Agriculture IoT Market: Tracking & Positioning Systems, 2019-2030, \$ mn

Figure 19. North America Agriculture IoT Market: Monitoring & Detection Systems, 2019-2030, \$ mn

Figure 20. North America Agriculture IoT Market: Communication Systems, 2019-2030, \$ mn

Figure 21. North America Agriculture IoT Market: Cloud Computing, 2019-2030, \$ mn

Figure 22. North America Agriculture IoT Market: Data Management Systems, 2019-2030, \$ mn

Figure 23. Breakdown of North America Agriculture IoT Market by Application, 2019-2030, % of Revenue

Figure 24. North America Addressable Market Cap in 2020-2030 by Application, Value (\$ mn) and Share (%)

Figure 25. North America Agriculture IoT Market: Precision Agriculture IoT, 2019-2030, \$ mn

Figure 26. North America Agriculture IoT Market: Indoor Farming IoT, 2019-2030, \$ mn

Figure 27. North America Agriculture IoT Market: Livestock Farming IoT, 2019-2030, \$ mn

Figure 28. North America Agriculture IoT Market: Fisheries and Aquaculture IoT, 2019-2030, \$ mn

Figure 29. North America Agriculture IoT Market: Precision Forestry IoT, 2019-2030, \$ mn

Figure 30. North America Agriculture IoT Market: Other Applications, 2019-2030, \$ mn

Figure 31. Breakdown of North America Agriculture IoT Market by Country, 2019 and 2030, % of Revenue

Figure 32. Contribution to North America 2020-2030 Cumulative Revenue by Country, Value (\$ mn) and Share (%)

Figure 33. U.S. Agriculture IoT Market, 2019-2030, \$ mn

Figure 34. Canada Agriculture IoT Market, 2019-2030, \$ mn

Figure 35. Agriculture IoT Market in Mexico, 2015-2030, \$ mn

Figure 36. Growth Stage of North America Agriculture IoT Industry over the Forecast Period

## I would like to order

Product name: North America Agriculture IoT Market 2020-2030 by Offering (Hardware, Software, Services), System, Application (Precision Agriculture, Indoor Farming, Livestock, Aquaculture), and Country

Product link: <https://marketpublishers.com/r/N9AF98BAA81DEN.html>

Price: US\$ 2,125.00 (Single User License / Electronic Delivery)

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

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

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N9AF98BAA81DEN.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**

Customer 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