

ADVANCED FARMING MARKET Technologies (VRT, Remote Sensing, HPPS, IEC, Automated Steering Systems), Applications (Fleet Management, Horticulture, Aqua, Forest, and Livestock Farming), and Services Global Market Drivers, Opportunities, Trends, and Forecasts, 2016-2022

https://marketpublishers.com/r/A42BFC67EE5EN.html

Date: March 2016 Pages: 148 Price: US\$ 3,500.00 (Single User License) ID: A42BFC67EE5EN

# **Abstracts**

The agriculture sector feeds around 7.5 billion people that require proper lands and fresh water. However, with the increasing pollution, the environment is changing and resulting in damage of crops and is leading to the change in the life cycle of plants and animals. Thus, one way to address this issue of agricultural production is to use sensing technology to make intelligent farms. Advanced farming is about utilisation of right technology to improve the cultivation regardless of using chemicals. The use of advanced farming will improve monitoring of crop health and animal, quality of the filed, improvement in soil (moisture and fertility), and yield production. It also helps in reducing wastage on the field and improves the efficiency of land and the crop.

The usage of technologies improves decision making process in agriculture. Escalating the demand of the food supply chain has mandated the utilisation of the agriculture resources. With this, the regulatory bodies have also started developing rural areas by setting up new infrastructure to ensure the benefits of the development in these areas.

Infoholic analyst estimates the advanced farming market to witness a CAGR of 13.44% during the forecast period 2016–2022. Some of the players included in the report are Trimble Navigation, AGCO Corp., John Deere & Company, Raven Industries, and Agjunction Inc. The advanced farming market is segmented by technologies, applications, services, deployment, and regions. The reports also talks about the



investment done in all the regions by private and public sector. In regions, Americas is expected to be the biggest market in terms of revenue contribution while Asia Pacific and the Middle East & Africa (MEA) are expected to expand the market in the upcoming years.

The study covers and analyses "Global Advanced Farming Market". Bringing out the complete key insights of the industry, the report aims to provide an opportunity for players to understand the latest trends, current market scenario, government initiative and technologies related to the market. In addition, it will help the venture capitalist in understanding the companies better and take informed decisions.



# Contents

### **1 INDUSTRY OUTLOOK**

1.1 Industry Overview

- 1.2 Industry Trends
- 1.3 Pest Analysis

# 2 REPORT OUTLINE

- 2.1 Report Scope
- 2.2 Report Summary
- 2.3 Research Methodology
- 2.4 Report Assumptions

# **3 MARKET SNAPSHOT**

- 3.1 Total Addressable Market (TAM)
- 3.2 Segmented Addressable Market (SAM)
- 3.3 SAM as a Segment of TAM
- 3.4 Advanced Farming By Types
- 3.5 Related Markets
- 3.5.1 Connected Agriculture
- 3.5.2 Smart Animal Husbandry

# **4 MARKET OUTLOOK**

- 4.1 Overview
- 4.2 Evolution of Advanced Farming
- 4.3 Architecture of Advanced Farming
- 4.4 Market Segmentation
- 4.5 Porter 5 (Five) Forces

# **5 MARKET CHARACTERISTICS**

- 5.1 Market Trends
  - 5.1.1 Cloud Technology in Farming
  - 5.1.2 Introduction to Floating Farms
  - 5.1.3 IoT and M2M in Agriculture

ADVANCED FARMING MARKET Technologies (VRT, Remote Sensing, HPPS, IEC, Automated Steering Systems), Application...



- 5.1.4 Robotics Farming
- 5.2 Value Chain
- 5.3 Market Dynamics
  - 5.3.1 Drivers
    - 5.3.1.1 Growing Food Requirement
    - 5.3.1.2 Need for Environment Friendly Farming Techniques
    - 5.3.1.3 UN Support
  - 5.3.2 Restraints
    - 5.3.2.1 High Initial Investment Costs
    - 5.3.2.2 Lack of IT Literate Farmers
  - 5.3.2.3 Improper IT Infrastructure
- 5.3.3 Opportunities
  - 5.3.3.1 Big Data Analytic Solutions
  - 5.3.3.2 Drones and Robots
  - 5.3.3.3 Connected Farms
- 5.3.4 DRO Impact Analysis
- 5.4 Key Stakeholders

#### 6 TECHNOLOGIES: MARKET SIZE AND ANALYSIS

- 6.1 Overview
- 6.2 Variable-rate Technology (VRT)
  - 6.2.1 Overview
  - 6.2.2 Market Size and Analysis
- 6.3 High Precision Positioning Systems
  - 6.3.1 Overview
  - 6.3.2 Market Size and Analysis
- 6.4 Automated Steering Systems
  - 6.4.1 Overview
  - 6.4.2 Market Size and Analysis
- 6.5 Remote Sensing
  - 6.5.1 Overview
  - 6.5.2 Market Size and Analysis
- 6.6 Integrated Electronic Communication
  - 6.6.1 Overview
  - 6.6.2 Market Size and Analysis

# 7 APPLICATIONS: MARKET SIZE AND ANALYSIS



- 7.1 Overview
- 7.2 Fleet Management
  - 7.2.1 Overview
  - 7.2.2 Market Size and Analysis
- 7.3 Livestock Farming
  - 7.3.1 Overview
  - 7.3.2 Market Size and Analysis
- 7.4 Forest Farming
  - 7.4.1 Overview
  - 7.4.2 Market Size and Analysis
- 7.5 Aqua Farming
  - 7.5.1 Overview
  - 7.5.2 Market Size and Analysis
- 7.6 Horticulture
  - 7.6.1 Overview
  - 7.6.2 Market Size and Analysis

# 8 SERVICES: MARKET SIZE AND ANALYSIS

- 8.1 Overview
- 8.2 Integration Services
  - 8.2.1 Overview
- 8.2.2 Market Size and Analysis
- 8.3 Maintenance Services
  - 8.3.1 Overview
- 8.3.2 Market Size and Analysis
- 8.4 Training & Consulting
  - 8.4.1 Overview
  - 8.4.2 Market Size and Analysis

# 9 DEPLOYMENT MODEL: MARKET SIZE AND ANALYSIS

- 9.1 Overview
- 9.2 Cloud
  - 9.2.1 Overview
  - 9.2.2 Market Size and Analysis
- 9.3 Local
  - 9.3.1 Overview
  - 9.3.2 Market Size and Analysis



#### **10 INVESTMENT IN AGRICULTURE**

10.1 Overview

#### 11 REGIONS: MARKET SIZE AND ANALYSIS

- 11.1 Overview
- 11.2 Americas
- 11.2.1 Market Size & Analysis
- 11.2.2 US
- 11.2.3 Canada
- 11.2.4 Brazil
- 11.2.5 Mexico
- 11.3 Europe
  - 11.3.1 Market Size & Analysis
- 11.3.2 Big Five (5) Countries
- 11.3.3 European Union (EU)
- 11.4 Asia Pacific (APAC)
  - 11.4.1 Market Size & Analysis
  - 11.4.2 India
  - 11.4.3 China
  - 11.4.4 Australia
- 11.4.5 Japan
- 11.5 Middle East & Africa (MEA)
- 11.5.1 Market Size & Analysis
- 11.5.2 South Africa
- 11.5.3 The Gulf Corporation Council (GCC)
- 11.6 Challenges for Developing Economies in Adopting Advanced Farming

#### 12 ADVANCED FARMING: ONGOING/UPCOMING PROJECTS

12.1 Project: Climate-Smart Agriculture Fund for Latin America and the Caribbean (CSAF)

- 12.2 Project: Climate Smart Agriculture in Guatemala
- 12.3 Project: ACDI/VOCA (MEA)
- 12.4 Aquaculture Project
- 12.5 Project: Smart Farming in Australia
- 12.6 Project: IoT based Farming



- 12.7 Project: Living Laboratory
- 12.8 Project: Smart Farming
- 12.9 Fostering Water-Agriculture Research and Innovation (FOWARIM)

#### **13 COMPETITIVE ANALYSIS**

- 13.1 Overview
- 13.2 Trimble Navigation
- 13.3 AGCO Corp.
- 13.4 Deere & Company
- 13.5 Raven Industries
- 13.6 AgJunction

#### **14 VENDOR PROFILES**

- 14.1 Trimble Navigation Ltd.
- 14.1.1 Overview
- 14.1.2 Business Units
- 14.1.3 Geographical Revenue
- 14.1.4 Recent Developments
- 14.1.5 Business Focus
- 14.1.6 SWOT Analysis
- 14.1.7 Business Strategy
- 14.2 AGCO Corp.
  - 14.2.1 Overview
  - 14.2.2 Business Units
  - 14.2.3 Geographical Revenue
  - 14.2.4 Recent Developments
  - 14.2.5 Business Focus
- 14.2.6 SWOT Analysis
- 14.2.7 Business Strategy
- 14.3 Deere & Company
- 14.3.1 Overview
- 14.3.2 Business Units
- 14.3.3 Geographical Revenue
- 14.3.4 Recent Developments
- 14.3.5 Business Focus
- 14.3.6 SWOT Analysis
- 14.3.7 Business Strategy

ADVANCED FARMING MARKET Technologies (VRT, Remote Sensing, HPPS, IEC, Automated Steering Systems), Application...



14.4 Raven Industries Inc.

- 14.4.1 Overview
- 14.4.2 Business Unit
- 14.4.3 Geographical Presence
- 14.4.4 Recent Developments
- 14.4.5 Business Focus
- 14.4.6 SWOT Analysis
- 14.4.7 Business Strategy
- 14.5 AgJunction Inc.
- 14.5.1 Overview
- 14.5.2 Business Units
- 14.5.3 Geographical Revenue
- 14.5.4 Recent Developments
- 14.5.5 Business Focus
- 14.5.6 SWOT Analysis
- 14.5.7 Business Strategy

# **15 GLOBAL GENERALIST**

15.1 Cisco Systems
15.1.1 Overview
15.1.2 Cisco in Advance Farming
15.2 IBM Corp.
15.2.1 Overview
15.2.2 Offerings
15.2.3 IBM in Advanced Farming
15.3 Microsoft Corp.
15.3.1 Overview
15.3.2 Offerings
15.3.3 Microsoft In Advanced Farming
15.4 Intel Corporation
15.4.1 Overview
15.4.2 Intel in Advanced Farming

# **16 COMPANIES TO WATCH FOR**

16.1 Smart Fertilizer Management16.1.1 Overview16.1.2 Smart Fertilizer Management Market



16.1.3 Offerings
16.2 Blue River Technology
16.2.1 Overview
16.2.2 Blue River Technology Market
16.2.3 Offerings
16.3 Growing Smart
16.3.1 Overview
16.4 ThingWorx
16.4.1 Overview
16.4.2 ThingWorx Market
16.4.3 Offerings

#### **17 EXPERT'S VIEWS**

Annexure Abbreviations



# **List Of Tables**

# LIST OF TABLES

Table 1 ADVANCED FARMING BY TYPES, 2016–2022 (\$BILLION)

Table 2 ADVANCED FARMING MARKET SHARE BY TYPES, 2016–2022 (%)

Table 3 ADVANCED FARMING MARKET REVENUE BY TECHNOLOGIES, 2016–2022 (\$BILLION)

Table 4 ADVANCED FARMING MARKET BY APPLICATIONS, 2016–2022 (\$BILLION) Table 5 ADVANCED FARMING MARKET REVENUE BY SERVICES, 2016–2022 (\$BILLION)

Table 6 ADVANCED FARMING BY DEPLOYMENT MODEL, 2016–2022 (\$BILLION) Table 7 INVESTORS PRESENT IN AGRICULTURE MARKET

Table 8 INVESTMENT IN APPLICATIONS, 2016 (\$MILLION)

Table 9 INVESTMENT IN AGRICULTURE BY REGIONS, 2016 (\$MILLION)

Table 10 ADVANCED FARMING MARKET REVENUE BY GEOGRAPHY, 2016–2022 (\$BILLION)

Table 11 AMERICAS MARKET DRIVERS AND OPPORTUNITIES

Table 12 ADVANCED FARMING MARKET SHARE BY TYPES IN AMERICAS, 2016 Table 13 ADVANCED FARMING BY TYPES IN AMERICAS, 2016–2022 (\$BILLION) Table 14 ADVANCED FARMING BY TECHNOLOGIES IN AMERICAS, 2016–2022 (\$BILLION)

Table 15 ADVANCED FARMING BY APPLICATIONS IN AMERICAS, 2016–2022 (\$BILLION)

Table 16 ADVANCED FARMING BY SERVICES IN AMERICAS, 2016–2022 (\$BILLION)

Table 17 EUROPE'S MARKET DRIVERS AND OPPORTUNITIES

Table 18 ADVANCED FARMING MARKET REVENUE BY TYPES IN EUROPE, 2016–2022 (\$BILLION)

Table 19 ADVANCED FARMING BY TECHNOLOGIES IN EUROPE, 2016–2022 (\$BILLION)

Table 20 ADVANCED FARMING BY APPLICATIONS IN EUROPE, 2016–2022 (\$BILLION)

Table 21 ADVANCED FARMING BY SERVICES IN EUROPE, 2016–2022 (\$BILLION)Table 22 ASIA PACIFIC'S MARKET DRIVERS AND OPPORTUNITIES

Table 23 ADVANCED FARMING MARKET REVENUE BY TYPES IN ASIA PACIFIC, 2016–2022 (\$BILLION)

Table 24 ADVANCED FARMING BY TECHNOLOGIES IN ASIA PACIFIC, 2016–2022 (\$BILLION)



Table 25 ADVANCED FARMING BY APPLICATIONS IN ASIA PACIFIC, 2016–2022 (\$BILLION) Table 26 ADVANCED FARMING BY SERVICES IN ASIA PACIFIC, 2016–2022 (\$BILLION) Table 27 MEA MARKET DRIVERS AND OPPORTUNITIES Table 28 ADVANCED FARMING MARKET REVENUE BY TYPES IN MEA, 2016–2022 (\$BILLION) Table 29 ADVANCED FARMING BY TECHNOLOGIES IN MEA, 2016–2022 (\$BILLION) Table 30 ADVANCED FARMING BY APPLICATIONS IN MEA, 2016–2022 (\$BILLION) Table 31 ADVANCED FARMING BY SERVICES IN MEA, 2016–2022 (\$BILLION) Table 32 CHALLENGES FOR DEVELOPING ECONOMIES Table 33 FEW PLAYERS IN THE ADVANCING FARMING MARKET Table 34 DEERE & COMPANY: RECENT DEVELOPMENTS Table 35 RAVEN INDUSTRIES: RECENT DEVELOPMENTS Table 36 AGJUNCTION: RECENT DEVELOPMENTS Table 37 IBM: OFFERINGS



# **List Of Charts**

#### LIST OF CHARTS

Chart 1 PEST ANALYSIS OF ADVANCED FARMING MARKET Chart 2 RESEARCH METHODOLOGY OF GLOBAL ADVANCED FARMING MARKET Chart 3 AGRICULTURE MARKET REVENUE, 2016–2022 (\$BILLION) Chart 4 ADVANCED FARMING MARKET REVENUE, 2016–2022 (\$BILLION) Chart 5 SAM AS A SEGMENT OF TAM Chart 6 ROAD MAP OF ADVANCED FARMING **Chart 7 ADVANCED FARMING** Chart 8 CONVERSION OF FARMING INTO SMART FARMING Chart 9 ARCHITECTURE – ADVANCED FARMING Chart 10 SEGMENTATION OF ADVANCED FARMING MARKET Chart 11 PORTERS 5 FORCES ON ADVANCED FARMING Chart 12 VALUE CHAIN OF ADVANCED FARMING MARKET Chart 13 MARKET DYNAMICS – DRIVERS, RESTRAINTS AND OPPORTUNITIES Chart 14 DRO - IMPACT ANALYSIS OF ADVANCED FARMING MARKET **Chart 15 KEY STAKEHOLDERS** Chart 16 ADVANCED FARMING MARKET REVENUE BY TECHNOLOGIES, 2016-2022 (\$BILLION) Chart 17 ADVANCED FARMING MARKET REVENUE BY TECHNOLOGIES, 2016 AND 2022 Chart 18 MAP-BASED SYSTEM FOR VRT Chart 19 SENSOR-BASED SYSTEM FOR VRT Chart 20 VRT MARKET REVENUE, 2016–2022 (\$BILLION) Chart 21 ORBITAL INFORMATION REGARDING POSITIONING SYSTEMS Chart 22 POSITIONING SYSTEMS CONSTELLATIONS Chart 23 HIGH PRECISION POSITIONING SYSTEMS MARKET REVENUE, 2016-2022 (\$BILLION) Chart 24 AUTOMATED STEERING SYSTEMS MARKET REVENUE, 2016–2022 (\$BILLION) Chart 25 REMOTE SENSING PROCESS IN AGRICULTURE Chart 26 REMOTE SENSING MARKET REVENUE, 2016–2022 (\$BILLION) Chart 27 END-USER APPLICATIONS FOR IT IN FARMING INDUSTRY Chart 28 INTEGRATED ELECTRONIC COMMUNICATION MARKET REVENUE, 2016-2022 (\$BILLION) Chart 29 ADVANCED FARMING MARKET REVENUE BY APPLICATIONS, 2016–2022

(\$BILLION)



Chart 30 ADVANCED FARMING MARKET SHARE BY APPLICATIONS, 2016 AND 2022

Chart 31 FLEET MANAGEMENT IN ADVANCED FARMING

Chart 32 FLEET MANAGEMENT MARKET REVENUE, 2016–2022 (\$BILLION) Chart 33 LIVESTOCK FARMING

Chart 34 LIVESTOCK FARMING MARKET REVENUE, 2016–2022 (\$BILLION) Chart 35 FORESTRY FARMING

Chart 36 FOREST FARMING MARKET REVENUE, 2016–2022 (\$BILLION) Chart 37 AQUA FARMING

Chart 38 AQUAFARMING MARKET REVENUE, 2016–2022 (\$BILLION)

Chart 39 HORTICULTURE

Chart 40 HORTICULTURE MARKET REVENUE, 2016–2022 (\$BILLION)

Chart 41 ADVANCED FARMING MARKET REVENUE BY SERVICES, 2016–2022 (\$BILLION)

Chart 42 ADVANCED FARMING MARKET SHARE BY SERVICES, 2016 AND 2022 Chart 43 INTEGRATION SERVICES MARKET REVENUE, 2016–2022 (\$BILLION) Chart 44 MAINTENANCE SERVICES MARKET REVENUE, 2016–2022 (\$BILLION)

Chart 45 TRAINING & CONSULTING MARKET REVENUE, 2016–2022 (\$BILLION)

Chart 46 ADVANCED FARMING BY DEPLOYMENT MODEL, 2016 AND 2022

Chart 47 CLOUD DEPLOYMENT MODEL ARCHITECTURE

Chart 48 CLOUD ADVANCED FARMING MARKET REVENUE, 2016–2022 (\$BILLION) Chart 49 LOCAL DEPLOYMENT MODEL ARCHITECTURE

Chart 50 LOCAL ADVANCED FARMING MARKET REVENUE, 2016–2022 (\$BILLION) Chart 51 INVESTMENT IN AGRICULTURE

Chart 52 INVESTMENT SHARE IN AGRICULTURE, 2016

Chart 53 INVESTMENT SHARE IN APPLICATIONS, 2016

Chart 54 INVESTMENT SHARE IN AGRICULTURE BY REGIONS, 2016

Chart 55 ADVANCED FARMING MARKET SHARE BY GEOGRAPHY, 2016 AND 2022 Chart 56 ADVANCED FARMING MARKET REVENUE IN AMERICAS, 2016–2022 (\$BILLION)

Chart 57 NORTH AMERICA'S AGRICULTURAL CROPS GROWN ACCORDING TO THE CLIMATE ZONE

Chart 58 ADVANCED FARMING MARKET REVENUE IN EUROPE, 2016–2022 (\$BILLION)

Chart 59 ADVANCED FARMING MARKET REVENUE IN ASIA PACIFIC, 2016–2022 (\$BILLION)

Chart 60 ADVANCED FARMING MARKET REVENUE IN MEA, 2016–2022 (\$BILLION) Chart 61 TRIMBLE NAVIGATION: OVERVIEW SNAPSHOT

Chart 62 TRIMBLE NAVIGATION: BUSINESS UNITS



Chart 63 TRIMBLE NAVIGATION: GEOGRAPHICAL REVENUE Chart 64 TRIMBLE NAVIGATION: RECENT DEVELOPMENTS Chart 65 TRIMBLE NAVIGATION: SWOT ANALYSIS Chart 66 AGCO CORP.: OVERVIEW SNAPSHOT Chart 67 AGCO: BUSINESS UNITS Chart 68 AGCO: GEOGRAPHICAL REVENUE Chart 69 AGCO: RECENT DEVELOPMENTS Chart 70 AGCO: SWOT ANALYSIS Chart 71 DEERE & COMPANY: OVERVIEW SNAPSHOT Chart 72 DEERE & COMPANY: BUSINESS UNITS Chart 73 DEERE & COMPANY: GEOGRAPHICAL REVENUE Chart 74 DEERE & COMPANY: SWOT ANALYSIS Chart 75 RAVEN INDUSTRIES: OVERVIEW SNAPSHOT Chart 76 RAVEN INDUSTRIES: BUSINESS UNIT Chart 77 RAVEN INDUSTRIES: GEOGRAPHICAL REVENUE **Chart 78 RAVEN INDUSTRIES: SWOT ANALYSIS** Chart 79 AGJUNCTION: OVERVIEW SNAPSHOT Chart 80 AGJUNCTION: BUSINESS UNIT Chart 81 AGJUNCTION: GEOGRAPHICAL REVENUE Chart 82 AGJUNCTION: SWOT ANALYSIS Chart 83 CISCO SYSTEMS: OVERVIEW SNAPSHOT Chart 84 IBM: OVERVIEW SNAPSHOT Chart 85 MICROSOFT CORP.: OVERVIEW SNAPSHOT Chart 86 MICROSOFT: OFFERINGS Chart 87 INTEL CORPORATION: OVERVIEW SNAPSHOT Chart 88 SMART FERTILIZER MANAGEMENT MARKET Chart 89 BLUE RIVER TECHNOLOGY MARKET **Chart 90 THINGWORX MARKET** 



#### I would like to order

Product name: ADVANCED FARMING MARKET Technologies (VRT, Remote Sensing, HPPS, IEC, Automated Steering Systems), Applications (Fleet Management, Horticulture, Aqua, Forest, and Livestock Farming), and Services Global Market Drivers, Opportunities, Trends, and Forecasts, 2016-2022

Product link: https://marketpublishers.com/r/A42BFC67EE5EN.html

Price: US\$ 3,500.00 (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 <u>https://marketpublishers.com/r/A42BFC67EE5EN.html</u>

# 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 <u>https://marketpublishers.com/docs/terms.html</u>

ADVANCED FARMING MARKET Technologies (VRT, Remote Sensing, HPPS, IEC, Automated Steering Systems), Application...



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