Agricultural Robots - Global Strategic Business Report

Description: This report analyzes the worldwide markets for Agricultural Robots in US$ Million. The Global market is analyzed in terms of Unit Shipments. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World.

Annual estimates and forecasts are provided for the period 2013 through 2020. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

The report profiles 46 companies including many key and niche players such as -

AGCO Corporation
Agribotix LLC
AGROBOT
AMAZONE H. Dreyer GmbH & Co. KG
Autonomous Solutions, Inc.

Contents:
I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definitions and Scope of Study

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW
Agricultural Robots or AgriBots: Intelligent Machines to Meet Future Food Needs
Robots: One of the Most Unique Marvels of Modern Engineering
Increasing Life Expectancy & Declining Costs Result in Attractive ROI
Myriad Benefits Offered by Agricultural Robots Drive Widespread Adoption
Human Workforce, Machinery & Equipment, and Robots in Agricultural Applications: A Comparative Analysis
Increased Use of Robots Potentially Decreases On-Farm Deaths
Other Important Benefits Offered by AgriBots
Reduced Need for Human Workforce
High Precision
High Efficiency
Fatigueless Functioning
Faster Turnaround Times
Cost Benefits
Dependable for Any Type of Agricultural Environment
Shortage of Agricultural Workers & Rising Labor Costs: Foundation for Market Growth
Strong Growth Projected for the Global Agricultural Robots Market
Developed Nations: Key Revenue Contributors
Table 1: Global Agricultural Robots Market (2015E): Market Shares of Developed Regions/Countries (includes corresponding Graph/Chart)
Robots Set to Penetrate the Agriculture-Dominated Developing Nations

2. MARKET TRENDS, ISSUES & DRIVERS
Expanding Global Population & the Resulting Need for Food Security: A Strong Growth Driver
Global Food Scenario: Key Facts
Table 2: Global Population Growth Estimates (in Million): 1979-81, 1997-99, 2015, 2030, and 2050 (includes corresponding Graph/Chart)
Table 3: Global Population, Total GDP and Per Capita GDP Correlation: Past, Present, and Future Growth (includes corresponding Graph/Chart)

Table 4: Global Per Capita Food Consumption (kcal/capita/day): 1964-66; 1974-76; 1984-86; 1997-99; 2015, and 2030

Growing Popularity of Precision Agriculture Provides the Perfect Platform for Market Growth

Rising Investments on Robotics in Livestock Farming Benefits Market Expansion

Milking Systems with Advanced Features to Improve Adoption Rate

Select Noteworthy Robotic Systems for Livestock Farming

Overhead Feed & Push Systems

Ground Feed Pushers

Muck Removers

Pressure Washing Robots

Positive Outlook for Dairy Industry Augurs Well for Robotic Milking Systems

Table 5: Leading Cow Milk Producing Countries Worldwide (2010-2012): Ranked by Production Volume in Million Tonnes (includes corresponding Graph/Chart)

Table 6: Per Capita Annual Consumption of Yogurt for Select Countries: 2013 (includes corresponding Graph/Chart)

Convenience, Safety and Reliability Attributes Drive Demand for Agricultural UAS

Japan: A Pioneer in the Adoption of UAS in Agriculture

US FAA’s Approval for Agricultural UAS to Accelerate Market Demand

Rental Services: The Current Trend in Agricultural UAS Market

Autonomous Robots Gain Prominence in Horticulture Environments, Bodes Well for the Market

Robotic Systems for Easing the Spacing Work Process in Container Crop Cultivation

Driverless Tractors Revolutionizes Ploughing, Seeding, Planting, and Harvesting Processes

Soil Sample Collection Made Easy with Automated Machines

Crop Scouting: Next Frontier to Conquer for the Agricultural Robot

Weeding Robots with Cameras, Computing Platform, and Advanced Visual Algorithm Offers Huge Market Potential

Penetration of Harvesting Robots Gain Momentum in Vegetable and Fruit Farming

Robots for Lettuce Thinning: An Emerging Niche

Increasing Proliferation of Robots in Forestry Applications Drives Market Penetration

Favorable Trends in the Overall Service Robotics Market Strengthens Market Prospects

Table 7: Global Robotics Industry by Type (2013): Percentage Share Breakdown of Value Sales for Industrial Robots and Service Robotics (includes corresponding Graph/Chart)

Growing Clout of Tertiary Sector Throws Spotlight on Service Robots

Expanding Application Possibilities Broadens the Market

Growing Value Proposition Augurs Well for the Future of Service Robotics Market

Resolving the Prevailing Challenges: Cornerstone for Future Market Success

Key Challenges & Limitations

High Upfront Costs

Low Awareness Levels

Unwillingness to Adopt Fully Autonomous Technologies

Lack of Multi-Tasking Products

3. PRODUCT/TECHNOLOGY OVERVIEW

Robots: A Prelude

Makeup & Components

Agricultural Robots: An Introduction

Types of Agricultural Robots

Weeding Robots

Harvesting Robots

Unmanned Aerial Systems (UAS)

Driverless Tractors

Crop Scouting Robots

Robots for Horticulture Environments

Livestock Farming Robots

Milking Robots

4. PRODUCT INTRODUCTIONS/LAUNCHES

Trimble Announces Connected Farm™ Solution in Bundled Packages

Agribotix Unveils New Version of Field Extractor

Agribotix Unveils Newest Version of Hornet Fixed Wing Drone

Agribotix Unveils SOLO AgCo Edition Quadcopter UAV System
AGCO Introduces Fuse® Connected Services
Draganfly Innovations Unveils Advanced Precision Agriculture Solution
Deepfield Robotics Develops Bonirob
Ninox Robotics to Introduce Drione Service in Australia
Trimble Announces Trimble® UX5 UAS for Agricultural Applications
3D Robotics Rolls Out Aero-M and X8-M UAV Platforms
AGCO Unveils New Features to AgCommand® Telemetry System
Kinze Manufacturing Unveils Kinze Autonomous Harvest System

5. RECENT INDUSTRY ACTIVITY
Trimble Collaborates with Raven®
Agribotix LLC Teams Up with Lankota®
AGCO Collaborates with Ag Leader®
Qualcomm Ventures Invests in 3D Robotics
Great Rock Acquires Cyberworks Robotics
Teradyne to Acquire Universal Robots
Agribotix and Eco BCG Establish Agribotix- Latin America
Trimble Receives U.S. FAA Exemption for Trimble® UX5 Aerial Imaging Solution
AGCO Teams Up with Mutual Mobile
AGCO Inks Joint Venture Agreement with Appareo Systems
AGCO Formulates Fuse™ Technologies Corporate Initiative

6. FOCUS ON SELECT GLOBAL PLAYERS
AGCO Corporation (US)
Agribotix LLC (US)
AGROBOT (Spain)
AMAZONE H. Dreyer GmbH & Co. KG (Germany)
Autonomous Solutions, Inc. (US)
Autonomous Tractor Corporation (US)
AutoProbe Technologies LLC (US)
Blue River Technology (US)
BouMatic Robotics B.V. (Netherlands)
Clearpath Robotics, Inc. (Canada)
Deere & Company (John Deere) (US)
DeLaval International AB (Sweden)
GEA Group Aktiengesellschaft (Germany)
Harvest Automation, Inc. (US)
Naio Technologies (France)
PrecisionHawk (US)
SHIBUYA SEIKI CO., LTD. (Japan)
Trimble Navigation Ltd. (US)
Vision Robotics Corporation (US)
Vitirover SJCS (France)
Wall-YE (France)
Yamaha Motor Co., Ltd. (Japan)

7. GLOBAL MARKET PERSPECTIVE
Table 8: World Recent Past, Current and Future Analysis for Agricultural Robots by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America, and Rest of World Markets
Independently Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 9: World 8-Year Perspective for Agricultural Robots by Geographic Region - Percentage Breakdown of Dollar Revenues for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America, and Rest of World Markets for Years 2013, 2015, and 2020 (includes corresponding Graph/Chart)
Table 10: World Recent Past, Current and Future Analysis for Agricultural Robots Market with Annual Shipments in Units for Years 2013 through 2020 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES
A. Market Analysis
Outlook
The United States: A Major Market for Agricultural Robots
Labour Supply Crunch Spurs Demand for Robots in the Agricultural Sector
Rising Focus on Automation and Robotics in Specialty Crop Cultivation Benefits Market Growth
Favorable Federal Policies to Drive Drones Proliferation in the Agricultural Sector
Robots Take Over the Role of Humans in Driving Farm Tractors and Combines
Agricultural Machinery Market: A Macro Perspective
Key Opportunity Indicators
Table 11: North American Market for Agricultural Equipment by Segment (2013): Percentage Share Breakdown of Value Sales for Farm Tractors, Harvesting Machinery, Parts & Attachments, and Other Agricultural Equipment (includes corresponding Graph/Chart)
Table 12: Planted Acreage (Principal Crops) in the US: 2012-2014 (in Million acres) (includes corresponding Graph/Chart)
Table 13: Average Farm Size in the US: 2004-2013 (in Acres) (includes corresponding Graph/Chart)
Table 14: Number of Farms in the US: 2004-2013 (in Thousands) (includes corresponding Graph/Chart)
Product Launches
Strategic Corporate Developments
Select Key Players
B.Market Analytics
Table 15: US Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

2. CANADA
A.Market Analysis
Outlook
Canada: A High Potential Market for Agricultural Robots
Product Launch
Corporate Development
Clearpath Robotics, Inc. - A Key Canada-Based Company
B.Market Analytics
Table 16: Canadian Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

3. JAPAN
A.Market Analysis
Outlook
Mainstream Nature of Robots Drive Strong Adoption in the Agricultural Sector
Demand for Agricultural UAS Continues to Increase in Japan
Select Key Players
B.Market Analytics
Table 17: Japanese Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

4. EUROPE
A.Market Analysis
Outlook
New EU Robotics Projects to Improve Prospects for Agricultural Robots
EU's Robot Innovation Programme
European Dairy Farms Rely on Milking Robots for Efficiency Improvements
European Agricultural Machinery Market: An Overview
Table 18: European Agricultural Machinery Market (2013): Percentage Share Breakdown by Production Volume by Geographic Region - Austria, France, Germany, Italy, Netherlands, Poland, UK and Others (includes corresponding Graph/Chart)
Table 19: Western European Market for Agricultural Equipment by Segment (2013): Percentage Share Breakdown of Value Sales for Farm Tractors, Harvesting Machinery, Parts & Attachments, and Other Agricultural Equipment (includes corresponding Graph/Chart)
B.Market Analytics
Table 20: European Recent Past, Current and Future Analysis for Agricultural Robots by Geographic Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 21: European 8-Year Perspective for Agricultural Robots by Geographic Region - Percentage Breakdown of Dollar Revenues for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets for Years 2013, 2015, and 2020 (includes corresponding Graph/Chart)
4a. FRANCE
A.Market Analysis
Outlook
Select Key Players
B. Market Analytics
Table 22: French Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
4b. GERMANY
A. Market Analysis
Outlook
Agricultural Machinery Market in Germany: An Overview
Table 23: German Market for Agricultural Equipment by Product Segment (2013): Percentage Share Breakdown of Value Sales for Agricultural Trailers, Agriculture Conveyor Equipment, Harvest Equipment, Soil Working Equipment, Sowing & Fertilizing Equipment, Tractors, and Others (includes corresponding Graph/Chart)
Product Launch
Select Key Players
B. Market Analytics
Table 24: German Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
4c. ITALY
A. Market Analysis
Outlook
Italian Agricultural Machinery Market: An Overview
B. Market Analytics
Table 25: Italian Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
4d. THE UNITED KINGDOM
A. Market Analysis
Outlook
B. Market Analytics
Table 26: UK Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
4e. SPAIN
A. Market Analysis
Outlook
Agrobot - A Major Spain-Based Company
B. Market Analytics
Table 27: Spanish Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
4f. RUSSIA
A. Market Analysis
Outlook
Russian Farm Equipment Market: An Overview
B. Market Analytics
Table 28: Russian Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
4g. REST OF EUROPE
A. Market Analysis
Outlook
Corporate Development
Select Key Players
B. Market Analytics
Table 29: Rest of Europe Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
5. ASIA-PACIFIC
A. Market Analysis
Outlook
Robots Aim to Penetrate the Expanding Asian Agriculture Sector
India & China: Potential Laden Markets
Key Opportunity Indicators
Table 30: Ten Largest Populated Countries in Asia-Pacific (2014) (includes corresponding Graph/Chart)
Table 31: Asia-Pacific Agricultural Equipment Market (2013): Percentage Share Breakdown of Value Sales for Farm Tractors, Harvesting Machinery, Parts & Attachments, and Other Agricultural Equipment (includes
Table 32: Asia-Pacific Recent Past, Current and Future Analysis for Agricultural Robots by Geographic Region
China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 33: Asia-Pacific 8-Year Perspective for Agricultural Robots by Geographic Region - Percentage Breakdown of Dollar Revenues for China and Rest of Asia-Pacific Markets for Years 2013, 2015, and 2020 (includes corresponding Graph/Chart)

5a. CHINA
A. Market Analysis
Outlook
China: A Market Offering Significant Growth Opportunities
Government's Farm Mechanization and Automation Initiatives Bodes Well for Market Expansion
An Overview of China's Agricultural Machinery Market
Table 34: Chinese Farm Equipment Market (2013): Percentage Share Breakdown of Value Sales by Segment for Farm Tractors, Harvesting Machinery, Parts & Attachments, Plowing & Cultivating Machinery, and Other Agricultural Equipment (includes corresponding Graph/Chart)
B. Market Analytics
Table 35: Chinese Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

5b. REST OF ASIA-PACIFIC
A. Market Analysis
Outlook
Select Regional Markets
Governmental Initiatives to Improve Demand for Agricultural Robots in South Korea
India Offers Huge Untapped Market Potential for Agricultural Robots
Government Programs Push Forward Agricultural Mechanization in the Philippines
Uptake of Farming Equipment Rising Rapidly in Vietnam
Table 37: Percentage Level of Mechanization in Various Activities in Vietnamese Agricultural Sector (2013) (includes corresponding Graph/Chart)
Product Launch
B. Market Analytics
Table 38: Rest of Asia-Pacific Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

6. LATIN AMERICA
A. Market Analysis
Outlook
B. Market Analytics
Table 39: Latin American Recent Past, Current and Future Analysis for Agricultural Robots by Geographic Region
Brazil, and Rest of Latin America Markets Independently Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 40: Latin American 8-Year Perspective for Agricultural Robots by Geographic Region - Percentage Breakdown of Dollar Revenues for Brazil, and Rest of Latin America Markets for Years 2013, 2015, and 2020 (includes corresponding Graph/Chart)

6a. BRAZIL
A. Market Analysis
Outlook
Agriculture Sector in Brazil: An Overview
B. Market Analytics
Table 41: Brazil Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

6b. REST OF LATIN AMERICA
A. Market Analysis
Outlook
Argentina: An Important Regional Market
Corporate Development
B. Market Analytics
Table 42: Rest of Latin America Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

7. REST OF WORLD
A. Market Analysis
   Outlook
   Overview of South African Agricultural Machinery Market
B. Market Analytics
Table 43: Rest of World Recent Past, Current and Future Analysis for Agricultural Robots Market Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 46 (including Divisions/Subsidiaries - 47)

The United States (24)
Canada (2)
Japan (2)
Europe (17)
   - France (4)
   - Germany (3)
   - Spain (2)
   - Rest of Europe (8)
Asia-Pacific (Excluding Japan) (2)

Ordering:  
Order Online - http://www.researchandmarkets.com/reports/3517891/

Order by Fax - using the form below

Order by Post - print the order form below and send to

   Research and Markets,
   Guinness Centre,
   Taylors Lane,
   Dublin 8,
   Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Agricultural Robots - Global Strategic Business Report
Web Address: http://www.researchandmarkets.com/reports/3517891/
Office Code: SCBRY13Z

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Product Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>☐</td>
<td>USD 4500</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>☐</td>
<td>USD 6300</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users:</td>
<td>☐</td>
<td>USD 8550</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users:</td>
<td>☐</td>
<td>USD 10800</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World