

Agricultural Machinery Market Report: Trends, Forecast and Competitive Analysis to 2031

<https://marketpublishers.com/r/A0C2D6BA1CFBEN.html>

Date: November 2024

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: A0C2D6BA1CFBEN

Abstracts

2 – 3 business days after placing order

Agricultural Machinery Trends and Forecast

The future of the global agricultural machinery market looks promising with opportunities in land development & seed bed preparation, sowing & planting, weed cultivation, plant protection, harvesting & threshing, and post-harvest & agro-processing markets. The global agricultural machinery market is expected to grow with a CAGR of 5.7% from 2025 to 2031. The major drivers for this market are the growing mechanization in the agriculture sector and a rise in farmers' income.

Lucintel forecasts that, within the product category, tractors will remain the largest segment over the forecast period due to rising demand for enhancing productivity in the agriculture industry.

Within the application category, land development and seedbed preparation will remain the largest segment.

In terms of regions, North America is expected to witness the highest growth over the forecast period due to increasing demand for farm mechanization in the region.

Gain valuable insights for your business decisions with our comprehensive 150+ page report.

Emerging Trends in the Agricultural Machinery Market

Emerging trends in the agricultural machinery market are reshaping its future applications and dynamics:

Automation and Robotics: Automation as well as robotics are increasingly becoming significant features of farm machinery. Autonomous tractors, combines, and drones are transforming agriculture by reducing the need for human labor while enhancing operations. Such technologies ensure accurate farming practices driven by data, resulting in increased productivity and reduced costs.

Precision Agriculture: Precision farming employs GPS, IoT, and data analytics to enhance farming activities. It encompasses the use of tools such as guidance systems for planting, fertilizing, or irrigating, ensuring high yields with minimal input. As a result, there is increasing usage of advanced sensors and mapping devices.

Sustainability and Eco-Friendly Design: The manufacture of sustainable, environmentally friendly agricultural equipment has become paramount globally. This includes solutions such as energy-efficient engines and biofuels alternatives that reduce emissions. These trends promote global environmental goals while mitigating the impact of farming on the ecological footprint.

Smart Connectivity and Data Integration: Machinery now comes equipped with smart connectivity features, allowing for real-time data collection and analysis. In addition to real-time monitoring, these systems include cloud-based platforms that oversee equipment performance, thereby facilitating better decision-making and improving operational efficiency.

Affordability and Accessibility: The focus is on making agricultural machinery more affordable and accessible, particularly for smallholder farmers in developing countries. These developments include cost-effective, compact, multitasking equipment aimed at improving output without requiring substantial investment.

These emerging trends are changing the market for farm machinery by stimulating innovation and addressing contemporary farming challenges. Automation, precision

agriculture, sustainability, smart connectivity, and cost-effectiveness are among the key factors determining its evolution.

Recent Developments in the Agricultural Machinery Market

Ongoing innovations and advancements in the agricultural machinery market have been highlighted:

Autonomous Tractors: The introduction of autonomous tractors in agriculture has brought about significant changes by reducing manual labor and enhancing operating efficiency. With advanced sensors, GPS technology, and AI, these tractors can perform tasks such as plowing, planting, or harvesting with minimal human assistance.

Precision Agriculture Tools: Farming practices are being enhanced through precision agriculture tools, including GPS-guided machinery coupled with data analytics platforms. These tools allow for accurate planting and fertilizing while ensuring proper irrigation, leading to improved crop yields and better resource management.

Sustainable Equipment Innovations: Increasing attention is being directed toward the sustainable design of agricultural equipment. Innovations include energy-efficient engines, diversified fuel sources, and machines that emit fewer gases, aligning with global sustainability goals.

Smart Connectivity: Agricultural machinery continues to integrate smart connectivity features into their systems. IoT and cloud-based platforms ensure the real-time collection and analysis of data, improving performance monitoring and farming decision-making processes.

Cost-Effective Solutions: There is an increasing market for budget-friendly farm equipment designed specifically for smallholder farms. This includes multifunctional compact devices that aim to increase productivity and accessibility without requiring substantial capital investment.

These advances are improving the farming machinery market by introducing new technologies and enhancing efficiency. The growth of autonomous tractors, precision tools, sustainable innovations, smart connectivity, and cost-effective solutions is driving

this evolution.

Strategic Growth Opportunities for Agricultural Machinery Market

Some key strategic opportunities in the agricultural machinery market include:

Precision Farming Equipment: The increased accuracy and efficiency of farming practices are among the benefits of precision farming equipment, which offers significant growth opportunities. GPS, sensors, and other technologies help optimize planting, fertilizing, and irrigating crops, leading to increased yields while minimizing resource use.

Autonomous Machinery: Autonomous machinery, such as self-driving tractors or harvesters, is expected to experience further growth. These technologies reduce labor costs and improve operational efficiency, addressing labor shortages and enhancing productivity in agriculture.

Sustainable Agricultural Solutions: There is growing demand for sustainable agricultural machinery that minimizes environmental impact. Innovations are focused on engines that consume less energy through alternative fuels with reduced emissions. This allows companies to align with global sustainability goals and attract environmentally conscious customers.

Smart Agriculture Technologies: The integration of smart technologies, including IoT and real-time data analytics, has created opportunities for growth. These technologies boost equipment performance monitoring, optimize operations, and provide actionable insights for farmers, improving their efficiency and profitability.

Affordable and Accessible Machinery: Making affordable machinery available to smallholder farmers represents a significant business opportunity.

Multifunctional, compact, and affordable equipment can increase output, improve productivity, and support smallholders in underdeveloped parts of the world.

These strategic growth opportunities indicate areas in which agricultural machinery can contribute to innovation and address modern challenges in agriculture. In this regard, market drivers such as precision farming, autonomous machinery, sustainability, smart

technologies, and affordability are shaping the future of the market.

Agricultural Machinery Market Driver and Challenges

The agricultural machinery industry is influenced by various factors that impact its growth and development. Factors such as technological advancements, economic conditions, and regulations play a significant role in shaping this industry.

The factors responsible for driving the agricultural machinery market include:

Technological Advancements: Innovations in automation, robotics, and smart technologies are driving growth in the agricultural machinery market. These advancements boost operational efficiencies, increase precision, and improve productivity to meet the changing needs of modern agriculture.

Increasing Demand for Efficiency: The need for enhanced efficiency and productivity has significantly contributed to the expansion of this field. Advanced equipment minimizes labor costs, promotes better resource utilization, and leads to increased crop yields.

Focus on Sustainability: The need to develop sustainable agricultural machinery is increasing. Energy-efficient engines, alternative fuels, and reduced emissions align with global sustainability goals, attracting environmentally conscious customers.

Growth in Precision Agriculture: Advanced machinery is in high demand due to the rise of precision technology applications on farms worldwide. GPS-guided equipment, along with data analytics tools, supports more accurate farming practices, improving resource utilization and crop outcomes.

Expanding Emerging Markets: The expansion of agricultural machinery in emerging markets presents significant potential for future growth. Developing regions are increasingly adopting new technologies to raise their agricultural productivity, thus supporting economic progress through farming.

Challenges in the agricultural machinery market include:

High Cost of Advanced Technologies: The cost of highly sophisticated agri-tech

can be prohibitive, especially for small-scale farmers. Adoption may be limited by high start-up costs, impeding access to up-to-date equipment.

Regulatory Compliance: Navigating complex safety standards and environmental requirements poses significant challenges. Diverse regulations across regions require substantial investments in resources to ensure compliance.

Market Competition: The agricultural machinery market is highly competitive, with numerous players offering similar products. To differentiate their products and maintain a competitive advantage, companies need continuous innovation and effective marketing strategies.

The drivers and challenges affecting the development of the agricultural machinery industry will define its growth trajectory. For a company to succeed in this field, it must address technological, efficiency, sustainability, and market dynamics while overcoming challenges related to cost, regulatory compliance, and competition.

List of Agricultural Machinery Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies agricultural machinery companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the agricultural machinery companies profiled in this report include-

AGCO

Flieglagro-Center

Agromaster

Amazone

APV

Bellota Agrisolutions

CIAAS KGaAmbH

CNH Industrial

Deere & Company

Escorts

Agricultural Machinery by Segment

The study includes a forecast for the global agricultural machinery market by product, application, and region.

Agricultural Machinery Market by Product [Analysis by Value from 2019 to 2031]:

Tractors

Harvesters

Planting Equipments

Irrigation & Crop Processing Equipments

Spraying Equipments

Hay & Forage Equipments

Others

Agricultural Machinery Market by Application [Analysis by Value from 2019 to 2031]:

Land Development & Seed Bed Preparation

Sowing & Planting

Weed Cultivation

Plant Protection

Harvesting & Threshing

Post-Harvest & Agro-Processing

Agricultural Machinery Market by Region [Analysis by Value from 2019 to 2031]:

North America

Europe

Asia Pacific

The Rest of the World

Country Wise Outlook for the Agricultural Machinery Market

Major players in the market are expanding their operations and forming strategic partnerships to strengthen their positions. The following highlights recent developments by major agricultural machinery producers in key regions: the USA, China, India, Japan, and Germany.

United States: In the United States, automation combined with smart technology has led to major advancements in agricultural machinery. Innovations include self-driving tractors and precision tools that have improved efficiency and reduced labor costs. The use of data analytics and IoT has enabled more precise and optimized farming operations.

China: China is focusing on automating its agricultural machinery to improve efficiency. Recent developments include AI-enabled smart tractors and combines. The government also plans to modernize agricultural methods to boost productivity.

Germany: Sustainable agricultural machinery is the most advanced in Germany.

This includes energy-efficient equipment and the use of alternative fuels, with highlights being energy-efficient devices and the application of renewable fuels. Additionally, German manufacturers prioritize precision agriculture technologies aimed at reducing resource consumption during the growing season, leading to higher crop yields.

India: India has been striving toward producing affordable yet effective agricultural machinery to assist small-scale farmers. The focus is on low-cost but efficient farm implements such as compact tractors, which help increase productivity even when resources are limited.

Japan: Japan is at the forefront of advanced agricultural machinery, with an emphasis on automation and robotics. Recent innovations include self-driving drones for crop surveillance and robots that plant or harvest crops. These technologies address labor shortages and help improve output levels.

Features of the Global Agricultural Machinery Market

Market Size Estimates: Agricultural machinery market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2019 to 2024) and forecast (2025 to 2031) by various segments and regions.

Segmentation Analysis: Agricultural machinery market size by product, application, and region in terms of value (\$B).

Regional Analysis: Agricultural machinery market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different products, applications, and regions for the agricultural machinery market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the agricultural machinery market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

If you are looking to expand your business in this or adjacent markets, then contact us. We have done hundreds of strategic consulting projects in market entry, opportunity screening, due diligence, supply chain analysis, M & A, and more.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the agricultural machinery market by product (tractors, harvesters, planting equipments, irrigation & crop processing equipments, spraying equipments, hay & forage equipments, and others), application (land development & seed bed preparation, sowing & planting, weed cultivation, plant protection, harvesting & threshing, and post-harvest & agro-processing), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL AGRICULTURAL MACHINERY MARKET : MARKET DYNAMICS

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2019 TO 2031

3.1. Macroeconomic Trends (2019-2024) and Forecast (2025-2031)

3.2. Global Agricultural Machinery Market Trends (2019-2024) and Forecast (2025-2031)

3.3: Global Agricultural Machinery Market by Product

3.3.1: Tractors

3.3.2: Harvesters

3.3.3: Planting Equipments

3.3.4: Irrigation & Crop Processing Equipments

3.3.5: Spraying Equipments

3.3.6: Hay & Forage Equipments

3.3.7: Others

3.4: Global Agricultural Machinery Market by Application

3.4.1: Land Development & Seed Bed Preparation

3.4.2: Sowing & Planting

3.4.3: Weed Cultivation

3.4.4: Plant Protection

3.4.5: Harvesting & Threshing

3.4.6: Post-harvest & Agro-processing

4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION FROM 2019 TO 2031

4.1: Global Agricultural Machinery Market by Region

4.2: North American Agricultural Machinery Market

4.2.1: North American Market by Product: Tractors, Harvesters, Planting Equipments, Irrigation & Crop Processing Equipments, Spraying Equipments, Hay & Forage Equipments, and Others

4.2.2: North American Market by Application: Land Development & Seed Bed Preparation, Sowing & Planting, Weed Cultivation, Plant Protection, Harvesting & Threshing, and Post-harvest & Agro-processing

4.3: European Agricultural Machinery Market

4.3.1: European Market by Product: Tractors, Harvesters, Planting Equipments, Irrigation & Crop Processing Equipments, Spraying Equipments, Hay & Forage Equipments, and Others

4.3.2: European Market by Application: Land Development & Seed Bed Preparation, Sowing & Planting, Weed Cultivation, Plant Protection, Harvesting & Threshing, and Post-harvest & Agro-processing

4.4: APAC Agricultural Machinery Market

4.4.1: APAC Market by Product: Tractors, Harvesters, Planting Equipments, Irrigation & Crop Processing Equipments, Spraying Equipments, Hay & Forage Equipments, and Others

4.4.2: APAC Market by Application: Land Development & Seed Bed Preparation, Sowing & Planting, Weed Cultivation, Plant Protection, Harvesting & Threshing, and Post-harvest & Agro-processing

4.5: ROW Agricultural Machinery Market

4.5.1: ROW Market by Product: Tractors, Harvesters, Planting Equipments, Irrigation & Crop Processing Equipments, Spraying Equipments, Hay & Forage Equipments, and Others

4.5.2: ROW Market by Application: Land Development & Seed Bed Preparation, Sowing & Planting, Weed Cultivation, Plant Protection, Harvesting & Threshing, and Post-harvest & Agro-processing

5. COMPETITOR ANALYSIS

5.1: Product Portfolio Analysis

5.2: Operational Integration

5.3: Porter's Five Forces Analysis

6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

6.1: Growth Opportunity Analysis

6.1.1: Growth Opportunities for the Global Agricultural Machinery Market by Product

6.1.2: Growth Opportunities for the Global Agricultural Machinery Market by Application

6.1.3: Growth Opportunities for the Global Agricultural Machinery Market by Region

6.2: Emerging Trends in the Global Agricultural Machinery Market

6.3: Strategic Analysis

6.3.1: New Product Development

6.3.2: Capacity Expansion of the Global Agricultural Machinery Market

6.3.3: Mergers, Acquisitions, and Joint Ventures in the Global Agricultural Machinery Market

6.3.4: Certification and Licensing

7. COMPANY PROFILES OF LEADING PLAYERS

7.1: AGCO

7.2: FlieglAgro-Center

7.3: Agromaster

7.4: Amazone

7.5: APV

7.6: Bellota Agrisolutions

7.7: CLAAS KGaAmbH

7.8: CNH Industrial

7.9: Deere & Company

7.10: Escorts

I would like to order

Product name: Agricultural Machinery Market Report: Trends, Forecast and Competitive Analysis to 2031

Product link: <https://marketpublishers.com/r/A0C2D6BA1CFBEN.html>

Price: US\$ 4,850.00 (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/A0C2D6BA1CFBEN.html>