Global and China Agricultural Machinery Industry Report, 2020-2026

Apr.2020



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#### STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

#### **REPORT OBJECTIVES**

- To establish a comprehensive, factual, annually updated and costeffective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- To help company to succeed in a competitive market, and

#### **METHODOLOGY**

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

#### **INFORMATION SOURCES**

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

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### Abstract

Affected by insufficient demand for traditional products, adjustment of purchase subsidy policies, and lower prices of grain crops, China's agricultural machinery sales remain a downward trend.

In 2019, the total revenue of agricultural machinery enterprises (each with annual revenue over RMB20 million) nationwide was RMB 246.467 billion, a decrease of 4.43% over the previous year, and the industry's profits were RMB 10.339 billion, down 0.25% from a year ago. In 2019, China produced 40,000 large tractors on a par with that in 2018; 238,000 medium-sized tractors were produced with a year-on-year increase of 17.2%; the output of small tractors jumped 3.7% year-on-year to 340,000 units; the harvester output was estimated at 255,000 units, a fall of 11.2% on an annualized basis.

China is superior in exporting agricultural machinery amid less dependence on imported products on account of ever better technologies about China-made agricultural machinery. In 2019, China imported 10,945 agricultural machines and fell 9.1% from the previous year. At the same time, China's agricultural machinery exports in 2019 plummeted by 17.2% year-on-year due to the depressed industry, the upgrading of National Emission Standards IV, and the Sino-US trade war. By the end of 2018, the total power of China's agricultural machinery had reached 1.0037 billion kW, up 1.6% on a like-for-like basis. The comprehensive mechanization rate of crops for the whole year edged up 1.87 points YoY to 69.1%; wherein, the overall mechanization rate of wheat fetched the highest 95.89%, and the comprehensive mechanization rate of rice, corn and soybean was above 80% apiece. Under favorable policies, the comprehensive mechanization rate of crops in China is rising year by year, expectedly reaching 77% by 2026.

At present, China's plant protection UAV penetration rate is far below the world average. It is clearly put forward in the State Council's Guidelines on Accelerating the Transformation and Upgrade of Agricultural Mechanization and Agricultural Machinery & Equipment Industry issued in 2018 to 'actively develop agricultural aviation, regulate and popularize plant protection UAVs'. So far, Hubei, Jiangxi, Shandong, Hunan, Anhui, Guangdong and other provinces and cities have rolled out subsidies for plant protection UAVs each of which is granted more than RMB 10,000.

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Provinces	Product	Subsidy (RMB/unit)
Chongqing	Multi-rotor plant protection UAV	16,000
	Single-rotor plant protection UAV	29,000
Jilin	Electric multi-rotor plant protection UAV with rated drug load more than 10L (It is only implemented in pilot counties and urban areas where plant protection UAV are standardized)	
	Electric single-rotor plant protection UAV with rated drug load more than 10L (It is only implemented in pilot counties and urban areas where plant protection UAV are standardized)	15,000
Anhui	10-15L Electric multi-rotor plant protection UAV	16,000
Jiangxi	10-15L Electric plant protection UAV	15,000
	15-20L Electric plant protection UAV	20,000
Hubei	10-20L Electric multi-rotor plant protection UAV	15,000
Jiangsu	10L and above Electric multi-rotor plant protection UAV	14,000
Gansu	Electric multi-rotor plant protection UAV with rated drug load more than 10L	16,000
Zhejiang	Electric multi-rotor plant protection UAV Electric multi-rotor plant protection UAV (Equipped with centimeter-level	16,000 20,000
	positioning module and accessory equipment)	
	Electric single-rotor plant protection UAV	30,000
Shaanxi	10-20L Electric plant protection plane	16,000
Qingdao	Electric multi-rotor plant protection UAV with rated drug load more than 10L	16,000
Shandong	Multi-rotor plant protection UAV with rated drug load more than 15L	16,000
	Multi-rotor plant protection UAV, 10L≤rated drug load<15L	10,000
Ningxia	10-15L Electric plant protection UAV	16,000
	Above 15L Electric multi-rotor plant protection UAV	19,000
Note: above d	ata is as of June 19, 2019	

#### Subsidy of Plant Protection UAV in Major Provinces of China, 2019

Source: ResearchInChina

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Opportunities come with challenges in the agricultural machinery of China. The growing number of collective users such as cooperatives, farms, and agricultural reclamations year by year and the policies for subsoiling, deep plowing, land circulation and agricultural machinery purchase subsidies are conducive to the burgeoning demand for large, high-end and intelligent machines like high-power tractors. With stricter environmental requirements, off-road machinery emission standards will be inevitable upgraded and the technical threshold for industry accession will be raised ever.

Highlights in the report:

- Status quo of global agricultural machinery market, development of agricultural machinery in major countries and key enterprises, etc.;
- China's agricultural machinery market environment and policy climate (including planning, subsidies and emission standards for agricultural machinery);
- China's agricultural machinery industry (overview, main products, major enterprises, agricultural mechanization, future trends);
- Chinese tractors, harvesters, rice transplanters, cotton pickers, grain dryers, plant protection UAVs (sales volume, ownership, market characteristics, key enterprises, and development trends);
- Development of agricultural machinery industry in China's 17 major agricultural machinery producing provinces (including Heilongjiang, Shandong, Henan, etc.);
- ◆ 8 global and 18 Chinese agricultural machinery enterprises (operation, R&D, development strategy, etc.)

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## Table of contents

#### 1. Status Quo of Global Agricultural Machinery Industry

- 1.1 Market Overview
- 1.1.1 Production
- 1.1.2 Major Agricultural Machinery
- 1.2 Major Countries
- 1.2.1 USA
- 1.2.2 Canada
- 1.2.3 Germany
- 1.2.4 Italy
- 1.2.5 Japan
- 1.3 Major Companies

#### 2. Development Environment for Agricultural Machinery Industry in China

- 2.1 Market Environment
- 2.2 Policy Environment
- 2.2.1 Major Policies
- 2.2.2 Agricultural Machinery Purchase Subsidies
- 2.2.3 Agricultural Machinery Emission Standards

#### 3. Development of Agricultural Machinery Industry in China

- 3.1 Status Quo
- 3.1.1 Overview
- 3.1.2 Main Product Markets
- 3.1.3 Import & Export

- 3.1.4 Market Pattern
- 3.2 Agricultural Mechanization
- 3.2.1 Total Power and Structure of Agricultural Machinery
- 3.2.2 Ownership and Structure of Agricultural Machinery
- 3.2.3 Level of Agricultural Mechanization
- 3.2.4 Agricultural Mechanization Services
- 3.3 Development Trend

#### 4. Main Agricultural Machinery Products in China

- 4.1 Tractor
- 4.1.1 Status Quo
- 4.1.2 Product Structure
- 4.1.3 Enterprise Pattern
- 4.2 Harvester
- 4.2.1 Supply and Demand
- 4.2.2 Mechanized Harvesting of Main Crops
- 4.2.3 Wheat Harvester
- 4.2.4 Corn Harvester
- 4.2.5 Rice Harvester
- 4.3 Transplanter
- 4.3.1 Status Quo
- 4.3.2 Major Products
- 4.3.3 Major Regions
- 4.3.4 Export
- 4.3.5 Key Players

### The Vertical Portal for China Business Intelligence

## Table of contents

- 4.4 Cotton Picker
- 4.5 Grain Dryer
- 4.6 Plant Protection UAV
- 4.6.1 Subsidy Policy
- 4.6.2 Status Quo
- 4.6.3 Major Players

#### 5. Key Provinces of Agricultural Machinery in China

- 5.1 Shandong
- 5.1.1 Total Amount of Agricultural Equipment
- 5.1.2 Level of Agricultural Mechanization
- 5.1.3 Agricultural Mechanization Services
- 5.1.4 Major Agricultural Machinery Enterprises
- 5.1.5 Development Planning
- 5.2 Heilongjiang
- 5.2.1 Total Amount of Agricultural Equipment
- 5.2.2 Level of Agricultural Mechanization
- 5.2.3 Agricultural Mechanization Services
- 5.2.4 Agricultural Machinery Enterprises
- 5.2.5 Development Planning
- 5.3 Henan
- 5.3.1 Total Amount of Agricultural Equipment
- 5.3.2 Level of Agricultural Mechanization
- 5.3.3 Agricultural Mechanization Services
- 5.3.4 Development Planning

- 5.4 Hebei
- 5.4.1 Total Amount of Agricultural Equipment
- 5.4.2 Level of Agricultural Mechanization
- 5.4.3 Development Planning
- 5.5 Anhui
- 5.5.1 Total Amount of Agricultural Equipment
- 5.5.2 Level of Agricultural Mechanization
- 5.5.3 Agricultural Mechanization Services
- 5.5.4 Development Planning
- 5.6 Hunan
- 5.6.1 Total Amount of Agricultural Equipment
- 5.6.2 Level of Agricultural Mechanization
- 5.6.3 Development Planning
- 5.7 Jiangsu
- 5.7.1 Total Amount of Agricultural Equipment
- 5.7.2 Level of Agricultural Mechanization
- 5.7.3 Agricultural Machinery Enterprises
- 5.7.4 Development Planning
- 5.8 Others
- 5.8.1 Jiangxi
- 5.8.2 Hubei
- 5.8.3 Jilin
- 5.8.4 Yunnan
- 5.8.5 Shanxi
- 5.8.6 Sichuan

### The Vertical Portal for China Business Intelligence

## Table of contents

5.8.7 Inner Mongolia 5.8.8 Liaoning

5.8.9 Shaanxi

5.8.10 Zhejiang

#### 6. Global Major Agricultural Machinery Companies

6.1 John Deere

6.1.1 Profile

6.1.2 Operation

6.1.3 Development in China

6.2 CNH Industrial

6.2.1 Profile

6.2.2 Operation

6.2.3 Development in China

6.3 AGCO

6.3.1 Profile

6.3.2 Operation

6.3.3 Development in China

6.4 Claas

6.4.1 Profile

6.4.2 Operation

6.4.3 Development in China

6.5 SDF

6.5.1 Profile

6.5.2 Operation

6.5.3 Development in China
6.6 Kubota
6.6.1 Profile
6.6.2 Operation
6.6.3 Development in China
6.7 Mahindra
6.7.1 Profile
6.7.2 Operation
6.7.3 Agricultural Machinery Business
6.7.4 Development in China
6.8 ISEKI
6.8.1 Profile
6.8.2 Operation
6.8.3 Development in China

#### 7. Key Agricultural Machinery Companies in China

7.1 YTO Group Corporation

7.1.1 Profile

7.1.2 Operation

7.1.3 Luoyang Zhongshou Machinery Equipment Co., Ltd.

7.1.4 Development Strategy

7.2 Foton Lovol International Heavy Industry Co., Ltd.

7.2.1 Profile

7.2.2 Operation

7.2.3 R&D Capability

### The Vertical Portal for China Business Intelligence

## Table of contents

- 7.2.4 Development Strategy
- 7.3 Changzhou Dongfeng Agricultural Machinery Group Co., Ltd.
- 7.3.1 Profile
- 7.3.2 Operation
- 7.3.3 Development Strategy
- 7.3.4 Key Projects
- 7.4 Shandong Changlin Machinery Group Co., Ltd.
- 7.4.1 Profile
- 7.4.2 Development Strategy
- 7.5 Jiangsu Changfa Group
- 7.5.1 Profile
- 7.5.2 Operation
- 7.5.3 Agricultural Machinery Subsidiary -- Jiangsu Changfa Agricultural Equipment Co., Ltd.
- 7.6 Shandong Shifeng (Group) Co., Ltd.
- 7.6.1 Profile
- 7.6.2 Operation
- 7.6.3 Development Strategy
- 7.7 Shandong Wuzheng (Group) Co. Ltd.
- 7.7.1 Profile
- 7.7.2 Operation
- 7.7.3 Development Strategy
- 7.8 Zoomlion Heavy Machinery Co., Ltd.
- 7.8.1 Profile
- 7.8.2 Operation

- 7.8.3 Development Strategy 7.9 Shandong Juming Machinery Co., Ltd. 7.9.1 Profile 7.9.2 R&D Capacity 7.9.3 Development Strategy 7.10 Jiangsu World Agricultural Machinery Co., Ltd. 7.10.1 Profile 7.10.2 Operation 7.10.3 Development Strategy 7.11 CLAAS Agricultural Machinery (Shandong) Co. Ltd. 7.11.1 Profile 7.11.2 Operation 7.12 Modern Agricultural Equipment Co., Ltd. 7.12.1 Profile 7.12.2 Operation 7.12.3 Development Strategy 7.13 Xinjiang Machinery Research Institute Co., Ltd. 7.13.1 Profile 7.13.2 Operation 7.13.3 Xinjiang Xinyan Moshine Technology Co., Ltd. 7.13.4 R&D Capacity 7.14 Thinker Agricultural Machinery Co., Ltd. 7.14.1 Profile 7.14.2 Operation
- 7.14.3 Competitive Edge

### The Vertical Portal for China Business Intelligence

### Table of contents

- 7.14.4 Development Strategy
- 7.15 Hebei Sino-Agri BOYO Agricultural Machinery Co., Ltd.
- 7.15.1 Profile
- 7.15.2 Operation
- 7.15.3 R&D Capability
- 7.16 Tianjin Yongmeng Machinery Manufacturing Co., Ltd.
- 7.16.1 Profile
- 7.16.2 Operation
- 7.16.3 R&D
- 7.17 LION Agricultural Equipment Co., Ltd.
- 7.17.1 Profile
- 7.17.2 Operation
- 7.17.3 Development Strategy
- 7.18 Hebei Nonghaha Agricultural Machinery Group Co., Ltd.
- 7.18.1 Profile
- 7.18.2 Operation
- 7.18.3 Development Strategy

#### 8. Summary and Forecast

- 8.1 Summary
- 8.2 Forecast

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### **Selected Charts**

Gross Output Value of Agricultural Machinery Worldwide, 2013-2026E Global Agricultural Machinery Market Structure by Region, 2018 Tractor Sales in Major Countries/Regions Worldwide, 2013-2019 Sales Volume of Tractors over 30 Horsepower in Major Countries, 2013-2019 Sales Volume of Tractors in Germany, 2013-2019 TOP 6 Companies and Their Share in Germany by Sales Volume of Tractors, 2018 Sales Volume and Proportion of Tractors over 50 Horsepower in Germany, 2013-2019 TOP 10 Brands and Market Share in Germany by Sales Volume of Tractors over 50 Horsepower, 2017-2018 TOP20 Tractor Models in Germany by Sales Volume, 2018 Sales Volume of Tractors in Italy, 2013-2019 Sales Volume of Tractors over 30 Horsepower in Italy, 2013-2019 Sales Volume of Tractors in Japan, 2013-2019 Sales Volume of Tractors over 30 Horsepower in Japan, 2013-2019 China's GDP Growth, 2013-2019 Prosperity of Agricultural Machinery in China, 2019 Subsidies for Agricultural Machinery in China, 2009-2019 Harvester Output of Key Agricultural Machinery Enterprises, 2019 List of Agricultural Machinery Exempt from Customs Duties and Import Value-added Tax in China, 2019-2020 HS Coding for Agricultural Machinery in This Section China's Agricultural Machinery Imports, 2017-2019 Import Volume and Value of Agricultural Machinery in China, 2017-2019 China's Agricultural Machinery Exports, 2017-2019 China's Agricultural Machinery Exports by Product, 2017-2019 Export Surplus of Agricultural Machinery in China, 2017-2019 Leading Chinese Agricultural Machinery Manufacturers

The Vertical Portal for China Business Intelligence

### **Selected Charts**

Total Power of Agricultural Machinery in China, 2013-2026E Power of Agricultural Machinery Per Hectare of Farmland in China, 2013-2026E Ownership Ratio of Small Tractors and Large-and Medium-sized Tractors in China, 2005-2026E Overall Level of Mechanization in Crop Ploughing, Sowing and Harvesting in China, 2013-2026E Mechanized Farming, Sowing, and Harvesting of Crops in China, 2013-2026E Total Number of China's Full Mechanization Demonstration Counties in China, 2016-2018 Number of Agricultural Mechanization Service Organizations and Agricultural Machinery Cooperatives in China, 2013-2026E Total Revenue of Agricultural Mechanization Services, 2013-2026E Tractor Output and YoY Growth Rate in China, 2013-2019 Market Share of Wheeled Tractor Companies by Subsidized Sales Volume in China, 2019 Combine-harvester Output and Sales Volume in China, 2013-2019 Combine-harvester Market Structure in China, 2018 Subsidy of Wheeled Grain Harvesting Machinery in China, 2019 Subsidy of Major Wheeled Grain Harvesting Machinery Brands in China, 2019 Level of Mechanized Harvesting of Three Main Crops in China, 2010-2026E Life Cycle of Wheat Harvester in China Wheat Harvester Ownership in China, 2013-2026E Product Structure of Wheat Harvester by Feeding Amount, 2018 Corn Harvester Ownership in China, 2013-2026E Output Volume Structure of Corn Harvesters in China by Type, 2018 Output Structure of Crawler Rice Harvester in China, 2018 Top 15 Combine Rice Harvesters by Sales Volume, 2018 Sales Volume of Rice Combine Harvester with 6kg/s Feeding Amount by Company, 2018 Ownership of Rice Transplanters in China, 2014-2026E Mechanical Transplanting Rate of Rice Transplanters in China, 2013-2026E

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### **Selected Charts**

The Top Ten Best-selling Hand-held 6-row Transplanters of 2019 Subsidies for Rice Transplanters in Provinces of China, 2019 Subsidies Proportion for Rice Transplanters in Provinces of China, 2019 Competition Pattern of China's Rice Transplanters in 2018 (by brand) Cotton Acreage in China, 2010-2019 Cotton Output in China, 2010-2019 Cotton Output Per Unit Area of Land in China, 2010-2019 Subsidies for Cotton Pickers in Xinjiang, 2018 Major Cotton Pickers of Chinese Companies China's Grain Output, 2013-2026E Subsidies for Grain Dryers in Some Provinces and Cities of China, 2018-2020 Ownership of Grain Dryer in China, 2015-2026E Penetration Rate of Plant Protection UAV in Major Countries Subsidy of Plant Protection UAV in Major Provinces of China, 2019 Ownership and Operating Area of Plant Protection UAVs in China, 2014-2026E Major Plant Protection UAV Companies in China Top 10 Plant Protection UAVs by Sales Volume in China, 2019H1 Total Power and Output Value of Agricultural Machinery in Shandong, 2013-2026E Overall Level of Agricultural Mechanization in Shandong, 2013-2026E Total Power of Agricultural Machinery in Heilongjiang, 2013-2026E Overall Level of Agricultural Mechanization in Heilongjiang, 2013-2026E Total Power of Agricultural Machinery in Henan, 2013-2026E Overall Level of Agricultural Mechanization in Henan, 2013-2026E Total Power of Agricultural Machinery in Hebei, 2013-2026E Overall Level of Agricultural Mechanization in Hebei, 2013-2026E

The Vertical Portal for China Business Intelligence

### **Selected Charts**

Total Power of Agricultural Machinery in Anhui, 2013-2026E Overall Level of Agricultural Mechanization in Anhui, 2013-2026E Total Power of Agricultural Machinery in Hunan, 2013-2026E Overall Level of Mechanization in Rice Plowing, Sowing, and Harvesting in Hunan, 2013-2026E Total Power of Agricultural Machinery in Jiangsu, 2013-2026E Overall Level of Mechanization in Crop Production in Jiangsu, 2013-2026E Total Power of Agricultural Machinery in Jiangxi, 2013-2026E Total Power of Agricultural Machinery in Hubei, 2013-2026E Total Power of Agricultural Machinery in Jilin, 2013-2026E Total Power of Agricultural Machinery in Yunnan, 2013-2026E Total Power of Agricultural Machinery in Shanxi, 2013-2026E Total Power of Agricultural Machinery in Sichuan, 2013-2026E Total Power of Agricultural Machinery in Inner Mongolia, 2013-2026E Total Power of Agricultural Machinery in Liaoning, 2013-2026E Total Power of Agricultural Machinery in Shaanxi, 2013-2026E Total Power of Agricultural Machinery in Zhejiang, 2013-2026E Net Sales and Net Income of John Deere, FY2011-FY2020 Net Sales and Operating Income of John Deere by Business, FY2011-FY2020 Net Sales of John Deere by Region, FY2013-FY2018 Presences of John Deere in China, 2019 Revenue and Profit of CNH Industrial, 2013-2019 Revenue of CNH Industrial by Business, 2018-2019 Revenue of CNH Industrial by Region, 2018-2019 Agriculture Revenue of CNH Industrial by Region, 2018-2019 Agricultural Machinery Production Bases of CNH Industrial in China, by the end of 2019

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### **Selected Charts**

Brands of AGCO Net Sales and Net Income of AGCO, 2013-2019 Global Platform Strategy of AGCO Net Sales Structure of AGCO by Region, 2019 AGCO's Factories in China, by the end of 2019 Net Sales and Net Income of CLAAS, FY2011-FY2019 Net Sales Structure of CLAAS by Region, FY2019 Factories of Claas Locations of Claas Subsidiaries of CLAAS in China, by the end of 2019 Organizational Structure of SDF Net Sales and Net Income of SDF, 2011-2018 Net Sales Structure of SDF, 2017-2018 Global Presence of SDF Global Presence of Kubota Revenue and Net Income of Kubota, 2011-2019 Revenue of Kubota by Region, 2011-2019 Revenue of Kubota by Business, 2011-2019 Major Subsidiaries of Kubota in China, 2018 Production Bases of Mahindra Worldwide, FY2019 Production Bases of Mahindra in India, FY2019 Sales Structure of Mahindra by Business, FY2018-FY2019 History of Mahindra's Farm Equipment Sector Global Agricultural Equipment Business Operation of Mahindra, 2018 Global Tractor Sales Volume of Mahindra, FY2012-FY2019

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### **Selected Charts**

Mahindra's Agricultural Machinery Factories in China. 2018 Main Products of ISEKI Revenue of ISEKI, 2015-2018 Domestic Revenue of ISEKI by Business, 2015-2018 Revenue from Overseas Markets of ISEKI, 2015-2018 Revenue of YTO Group, 2011-2019 Revenue and Net Income of First Tractor, 2011-2019 Operating Revenue and Gross Margin of First Tractor by Business, 2013-2018 Agricultural Machinery Output and Sales Volume of First Tractor by Product, 2015-2018 Capacity and Output of First Tractor's Main Products, 2017-2018 Operating Revenue of First Tractor by Region, 2011-2018 Main Agricultural Machinery of Foton Lovol Subsidiaries of Shandong Changlin Machinery Group Major Subsidiaries of Jiangsu Changfa Group Revenue of Shandong Shifeng, 2013-2018 Agricultural Machinery Events of Shandong Wuzheng, 2015-2019 Revenue of Shandong Wuzheng, 2013-2018 Production Bases of Zoomlion Heavy Machinery Main Economic Indices of Zoomlion Heavy Machinery, 2015-2019 **Development History of World Agricultural Machinery** Revenue of World Agricultural Machinery, 2013-2019 Major Events of Modern Agricultural Equipment, 2017-2019 Main Shareholding Subsidiaries of Modern Agricultural Equipment, 2018 Revenue of Modern Agricultural Equipment, 2011-2019 Operating Revenue of Modern Agricultural Equipment by Business, 2013-2018

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### **Selected Charts**

Major Subsidiaries of Xinjiang Machinery Research Institute, 2018 Major Agricultural Machinery Products of Xinjiang Machinery Research Institute Revenue and Net Income of Xinjiang Machinery Research Institute, 2011-2019 Operating Revenue of Xinjiang Machinery Research Institute by Region, 2012-2019 Agricultural Machinery Sales, Output and Inventory of Xinjiang Machinery Research Institute, 2013-2018 Revenue and Net Income of Thinker Agricultural Machinery, 2012-2019 Operating Revenue of Thinker Agricultural Machinery by Product, 2012-2018 Operating Revenue of Thinker Agricultural Machinery by Region, 2012-2018 Agricultural Machinery Sales, Output and Inventory of Thinker Agricultural Machinery, 2015-2018 Number of Dealers of Thinker Agricultural Machinery, 2012-2018 Sales Network of Tianjin Yongmeng Machinery Manufacturing Tractor Sales in Major Countries/Regions Worldwide, 2013-2019 Major Agricultural Machinery Sales in the United States, 2013-2019 Major Agricultural Machinery Sales in Canada, 2013-2019 Sales and Growth of Major Agricultural Machinery Players in the World, 2018 Plans for Planting Restructuring in China, 2016-2020E Major Policies on Agricultural Machinery Industry in China, 2015-2019 Central Subsidies for Purchase of Agricultural Machinery (by Province), 2019 Major Indicators of Agricultural Machinery Industry in China, 2011-2019 Output of Major Agricultural Machinery in China, 2013-2019 Tractor Output of Backbone Enterprises in China, 2019 Overseas Agricultural Machinery Players' Layout in China Total Power of Agricultural Machinery in China (by Type), 2013-2018 Total Power of Agricultural Machinery in Major Provinces, 2013-2018 Major Agricultural Machinery Ownership in China, 2013-2026E

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### **Selected Charts**

Acreage of Farmland Covered by Mechanized Operation, 2013-2018 Output Breakdown of Tractors in China by Type, 2013-2019 Ownership of Combine Harvesters in China, 2013-2019 China's Rice Transplanter Imports and Exports, 2017-2019 Importing Countries and Regions of China's Rice Transplanter, 2019 TOP10 Countries and Regions for China's Rice Transplanter Export, 2019 Major Grain Dryers Enterprises in China Ownership of Major Agricultural Machinery in Shandong, 2016-2019 Major Agricultural Machinery Enterprises in Shandong, 2018 Ownership of Major Agricultural Machinery in Heilongjiang, 2013-2018 Major Agricultural Machinery Enterprises in Heilongjiang Ownership of Major Agricultural Machinery in Henan, 2013-2018 Ownership of Major Agricultural Machinery in Hebei, 2013-2018 Ownership of Major Agricultural Machinery in Anhui, 2013-2018 Ownership of Major Agricultural Machinery in Hunan, 2013-2018 Ownership of Major Agricultural Machinery in Jiangsu, 2013-2018 Major Agricultural Machinery Enterprises in Jiangsu, 2018 Ownership of Major Agricultural Machinery in Sichuan, 2013-2018 Ownership of Major Agricultural Machinery in Inner Mongolia.2013-2018 Ownership of Major Agricultural Machinery in Liaoning, 2013-2018 Ownership of Major Agricultural Machinery in Shaanxi, 2013-2018 Ownership of Agricultural Machinery in Zhejiang, 2013-2018 Major Economic Indicators of Agricultural Machinery Industry in China, 2018-2026E

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