

AGRICULTURE BEYOND THE COVID-19 PANDEMIC: BUILDING BACK BETTER THROUGH AGRICULTURAL MECHANIZATION

新冠疫情后农业：农业机械化助力更好重建

Liu Jing

Science and Technology Promotion Office,
Department of Agricultural Mechanization of the Ministry of
Agriculture and Rural Affairs (MARA) of China

刘晶

中国农业农村部农业机械化管理局科技推广处





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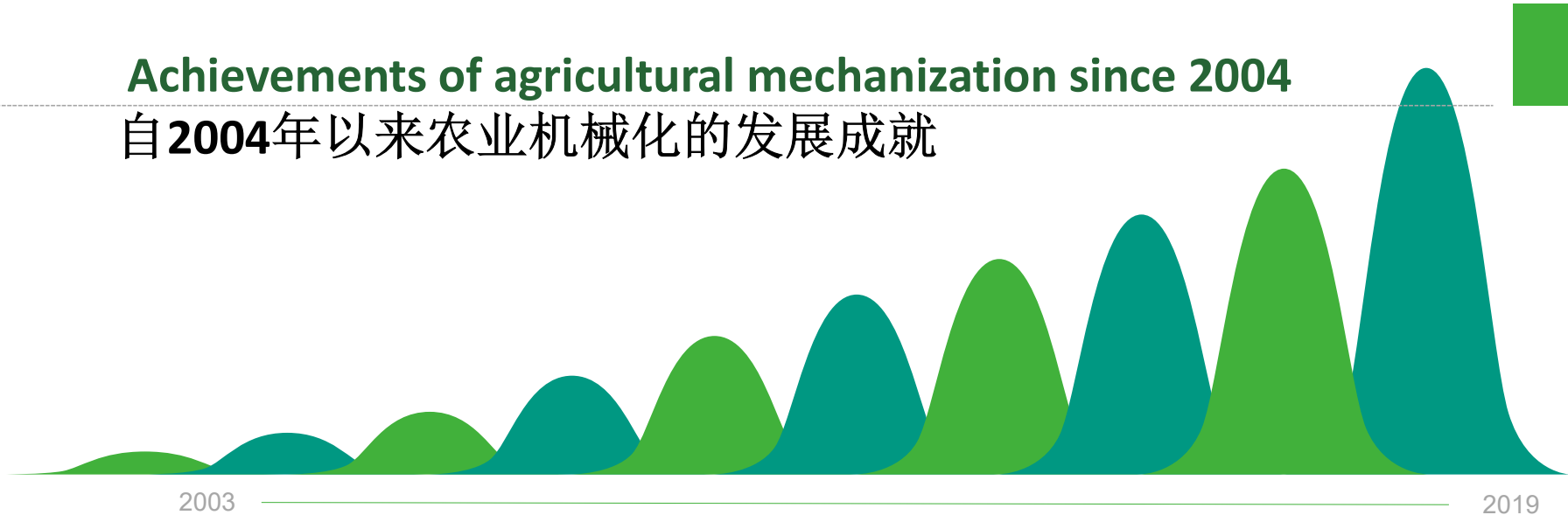
PART 01

The development status of agricultural mechanization in China

中国农业机械化发展现状

Achievements of agricultural mechanization since 2004

自2004年以来农业机械化的发展成就



- The comprehensive mechanization level of major crops increased from 32.5% to 70%
主要农作物耕种收综合机械化水平由2003年底32.5%，发展到2019年底达70%
- The total power of agricultural machinery in China reached 1 billion kilowatts
全国农机总动力达10亿千瓦
- Major breakthroughs in the mechanization of labor-intensive sections in grain production
粮食生产中劳动强度较大的环节机械化取得重大突破
- The comprehensive mechanization rate of rice, corn and wheat was over 80%, and the main food crops were basically mechanized
水稻、玉米、小麦耕种收综合机械化率均超过80%，主要粮食作物基本实现机械化



PART 02

How can agricultural machinery promote agricultural production during the pandemic

疫情期间农业机械如何助力农业生产



Repercussions of Covid-19 on agriculture

疫情对农业的影响

01 Difficult to prepare for agricultural mechanization production
农机化生产准备工作出现困难

02 The flow of personnel and equipment was not smooth
人员机具流动不畅

03 The blocked supply of products and segments
产品和零部件供应受阻

Farming seasons in China

中国农时季节



- “Spring ploughing” (sowing)
春耕（播种）
- “Three summers” (summer harvesting, summer sowing and summer management)
三夏（夏收、夏种、夏管）
- “Three autumn” (autumn harvesting, autumn sowing and autumn management)
三秋（秋收、秋种、秋管）

Measures taken by MARA during the spring cultivation period

春耕期间农业农村部采取的统筹措施

Established the "spring ploughing agricultural machinery online service station" platform

开通“春耕农机线上服务站”平台

01

Used Internet platform to implement the online services
利用互联网平台是推行不见面服务

02

03

Coordinated with the Ministry of Industry and Information Technology to promote the production resumption of agricultural machinery engine and segments enterprises, to guide agricultural machinery dealers to accept telephone booking and provide point-to-point distribution services 协调工信部推动农机主机及零部件企业复工复产，引导农机经销商开通电话预约，提供点对点配送服务。

The epidemic situation in China been controlled during the "three summers" period

“三夏”期间中国疫情已得到有效控制

01

MARA and the major wheat producing provinces formulated emergency response plans for "three summer"

农业农村部和各小麦主产省均制定了“三夏”农机跨区作业应急处置工作方案

02

Carried out the system of daily report on wheat harvest progress

实行小麦机收进度日报制度

03

Established emergency duty system and released the 24-hour duty telephone

建立应急值守工作制度, 公布24小时值班电话

The important role of agricultural machinery played in disaster resistance and harvest during the "three autumn" period

“三秋”期间农机在抗灾夺丰收中发挥的重要作用

- MARA released the *Conversion Scheme for Harvesting Lodging Corn Machines in Northeast China* and *Technical guidelines for harvesting lodging corn in northeast China*
农业农村部出台《东北地区收获倒伏玉米机具改装方案》和《东北地区收获倒伏玉米机收技术指引》
- Guided the development of joint harvester modification
指导开展联合收获机具改装

The important role of agricultural machinery played in disaster resistance and harvest during the "three autumn" period

“三秋”期间农机在抗灾夺丰收中发挥的重要作用

- Arranged funds from the cultivation project of high-quality farmers, and emergency trainings for agricultural machinery operators of lodging corn in Northeast China were organized and carried out to improve the operation level of harvesting machinery and minimize the mechanical harvest loss of lodging grain crops
从高素质农民培育项目中安排资金，组织开展了东北地区倒伏玉米机收农机手应急培训，提高驾驶操作收获机械操作水平，最大限度降低倒伏粮食作物机收损失
- The financial departments of the four provinces (districts) in Northeast China provided subsidies for the installation of auxiliary devices for lodging harvesters
东北四省（区）财政拿出补贴资金，对收获机械加装倒伏机收辅助装置进行补贴



PART 03

How will the post-pandemic agricultural
mechanization develop in China

中国农业机械化在疫情后如何发展

Guiding Opinions on Accelerating the Transformation and Upgrading of Agricultural Mechanization and Agricultural Machinery Equipment Industry, the State Council, 2018

《关于加快推进农业机械化和农机装备产业转型升级的指导意见》，国务院，2018

- Meet the needs of hundreds of millions of farmers including, the integration of agricultural machinery and agronomy; the integration of mechanization and informatization
农业机械化将以满足亿万农民对机械化生产的需要为目标，以农机农艺融合、机械化信息化融合
- The adaptation of agricultural machinery service with scaled up agricultural operation, the improvement of weak points; the promotion of coordination;
农机服务模式与农业适度规模经营相适应，补短板、强弱项、促协调

Guiding Opinions on Accelerating the Transformation and Upgrading of Agricultural Mechanization and Agricultural Machinery Equipment Industry, the State Council, 2018

《关于加快推进农业机械化和农机装备产业转型升级的指导意见》，国务院，2018

- The achievement of full mechanization of the production of wheat, rice, corn and other major food crops, and the establishment of the mechanized production system of economic crops, such as cotton, oil, sugar, fruit, vegetable and tea
推进小麦、水稻、玉米等主要粮食作物基本实现生产全程机械化，建立棉油糖、果菜茶等大宗经济作物全程机械化生产体系
- To develop high-quality agricultural machinery equipment, promote advanced and applicable agricultural machinery equipment and mechanization technology, develop agricultural machinery custom hiring services, continuously improve the basic conditions of agricultural machinery operation, and strengthen human resource development
通过发展高质量农机装备，推广先进适用农机装备与机械化技术、发展农机社会化服务，持续改善农机作业基础条件，加强农机人才队伍建设



Thank you!
谢谢!