



Human Resource Development in Agricultural Mechanization in China

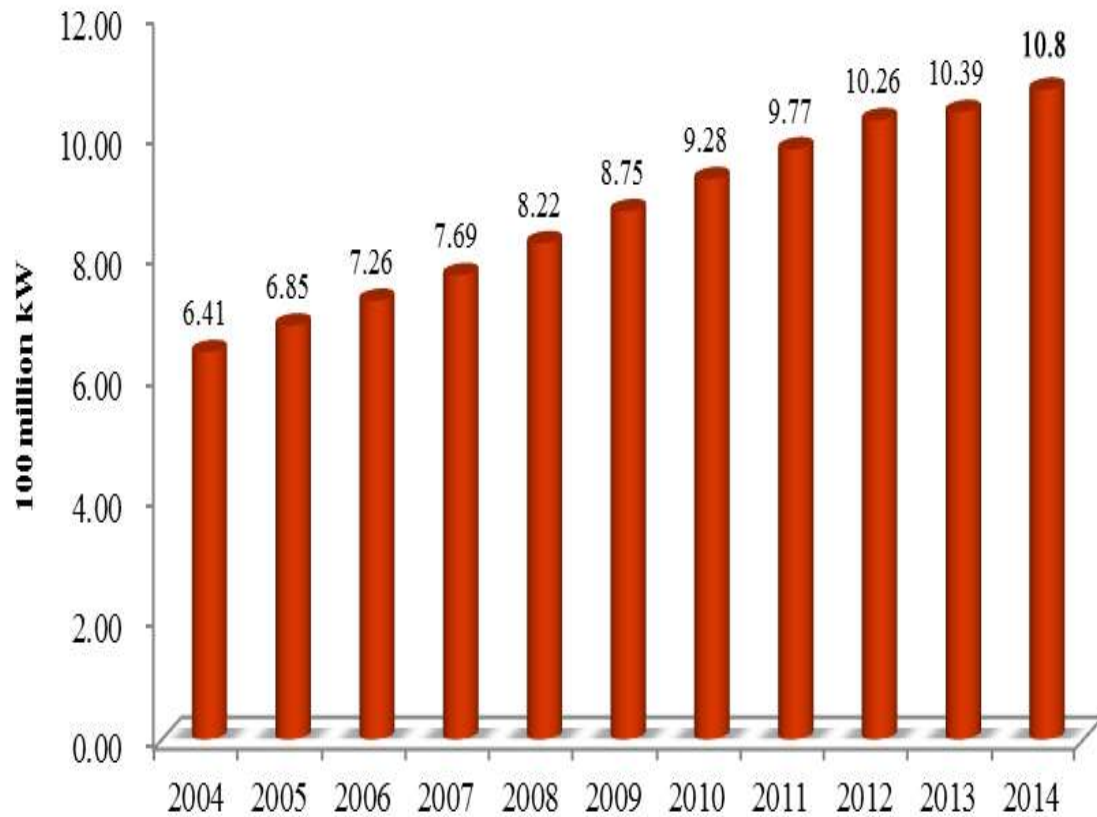
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3rd ASEAN Conference on Agricultural and Biosystems Engineering
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Outline

- I . Current status of agricultural mechanization in China
- II . Human resource development in agricultural mechanization in China
- III . Suggestions on promoting the human resources development in agricultural machinery in the Asia Pacific region

Current status of agricultural mechanization in China

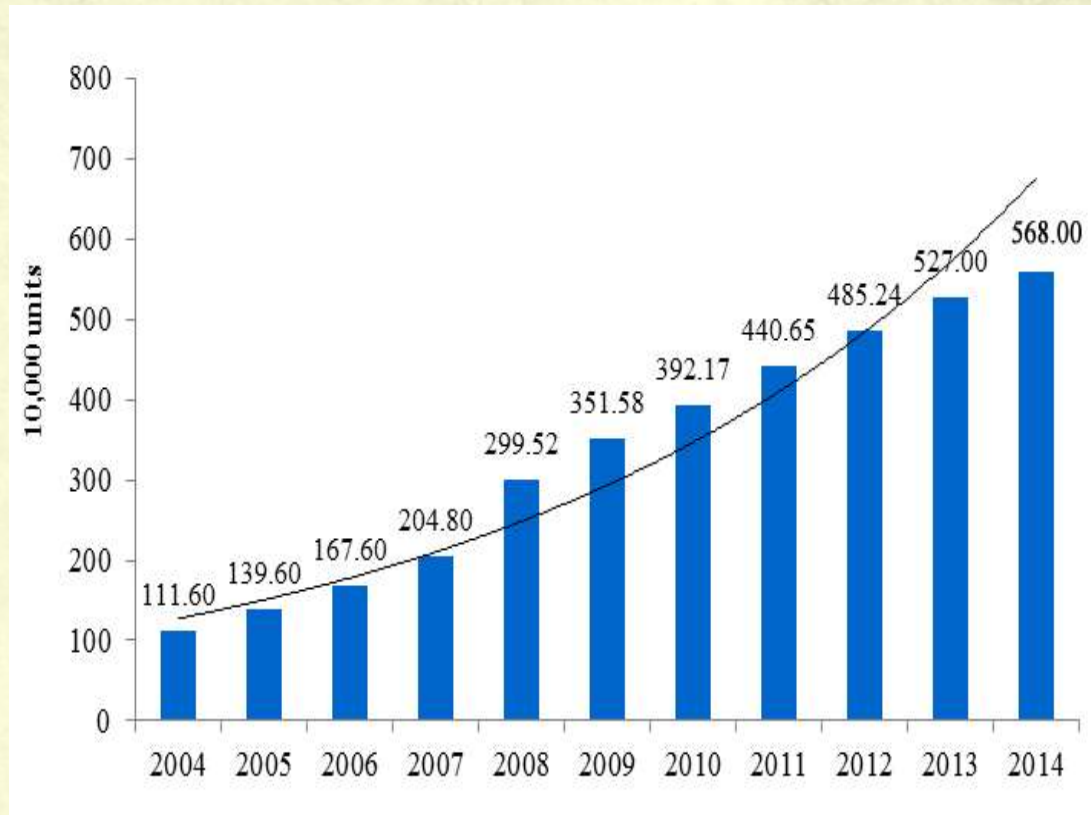


By the end of 2014, the total power of farm machinery nationwide had reached 1.08 billion KW, 1.6 times that of 2004.

The total power of agricultural machinery of China in 2004-2014

Current status of agricultural mechanization in China

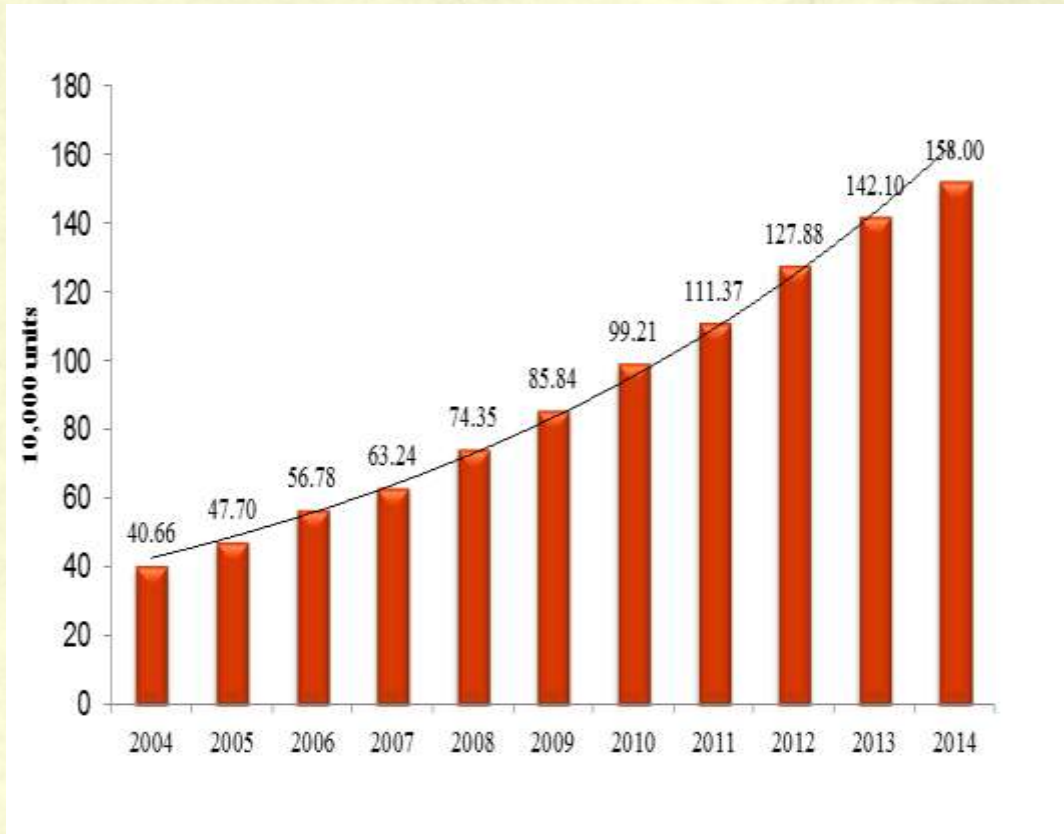
In 2014, holding quantity of large and medium-sized tractors of China is more than 5.68 million , which is 5 times as many as in 2004.



Holding quantity of large and medium-sized tractors of China in 2004-2014

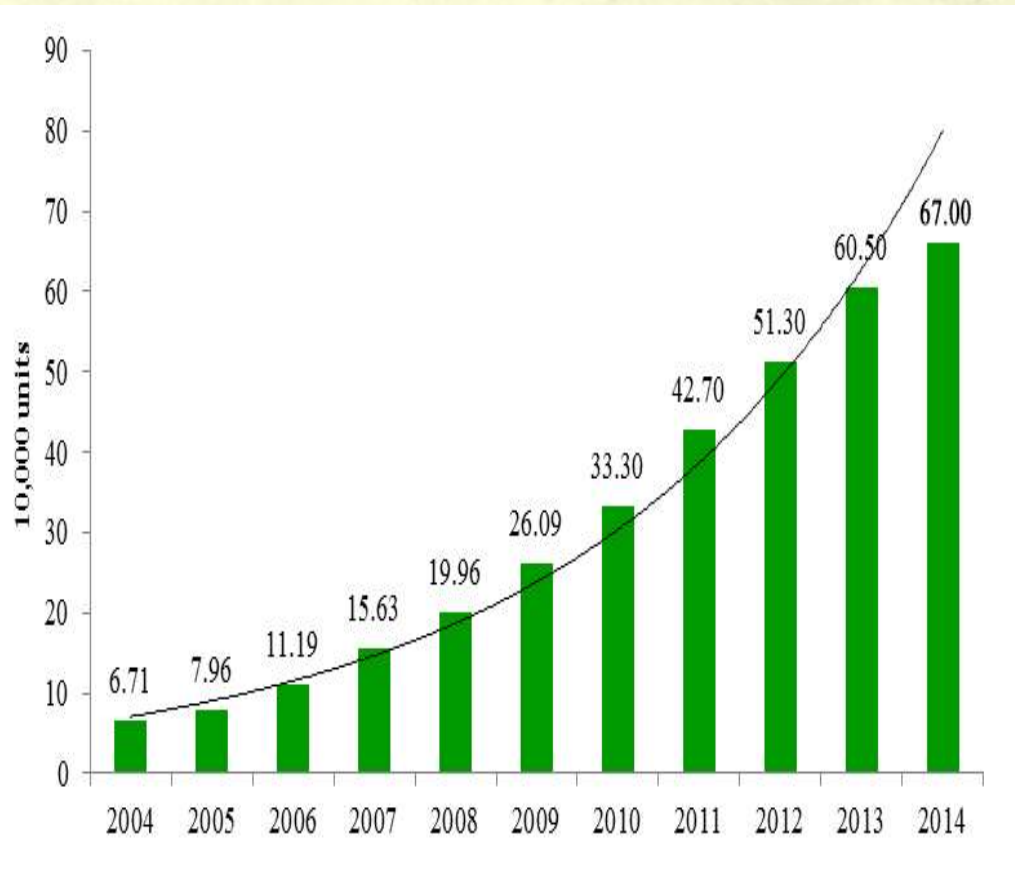
Current status of agricultural mechanization in China

In 2014, holding quantity of combine harvesters of China is more than 1.58 million , which is 3.7 times as many as in 2004.



Holding quantity of combine harvesters of China in 2004-2014

Current status of agricultural mechanization in China

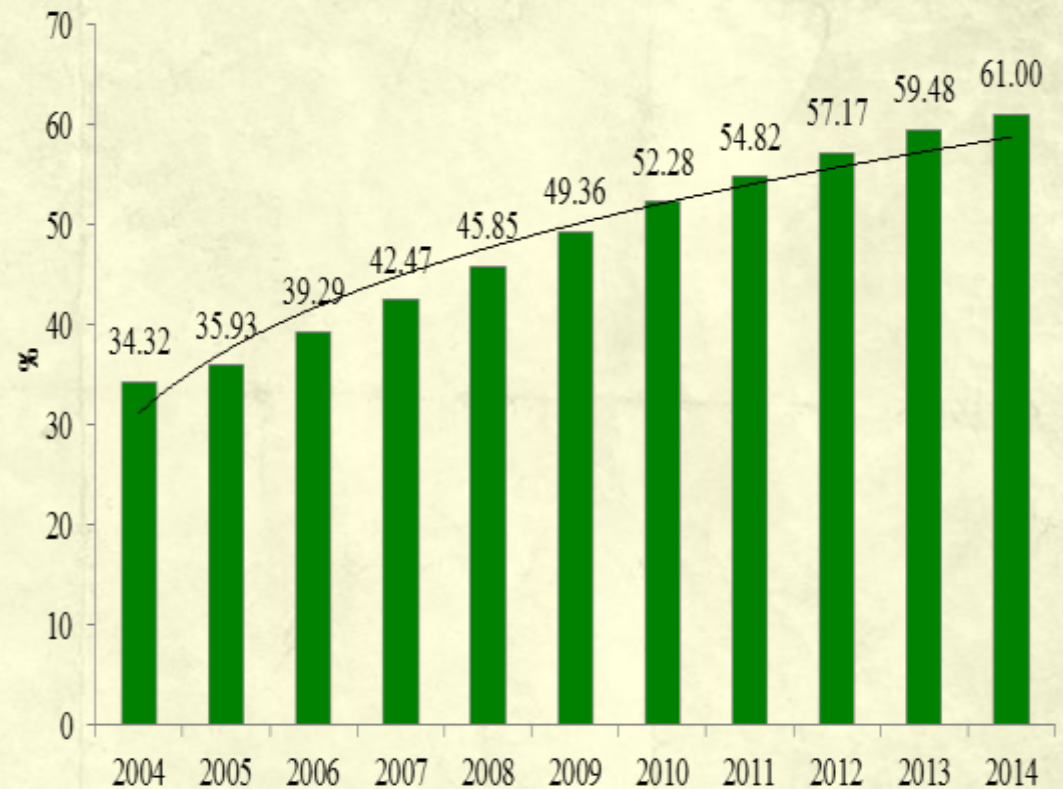


In 2014, holding quantity of rice transplanters of China is more than 0.67 million , which is 9.8 times as many as in 2004.

Holding quantity of rice transplanters of China in 2004-2014

Current status of agricultural mechanization in China

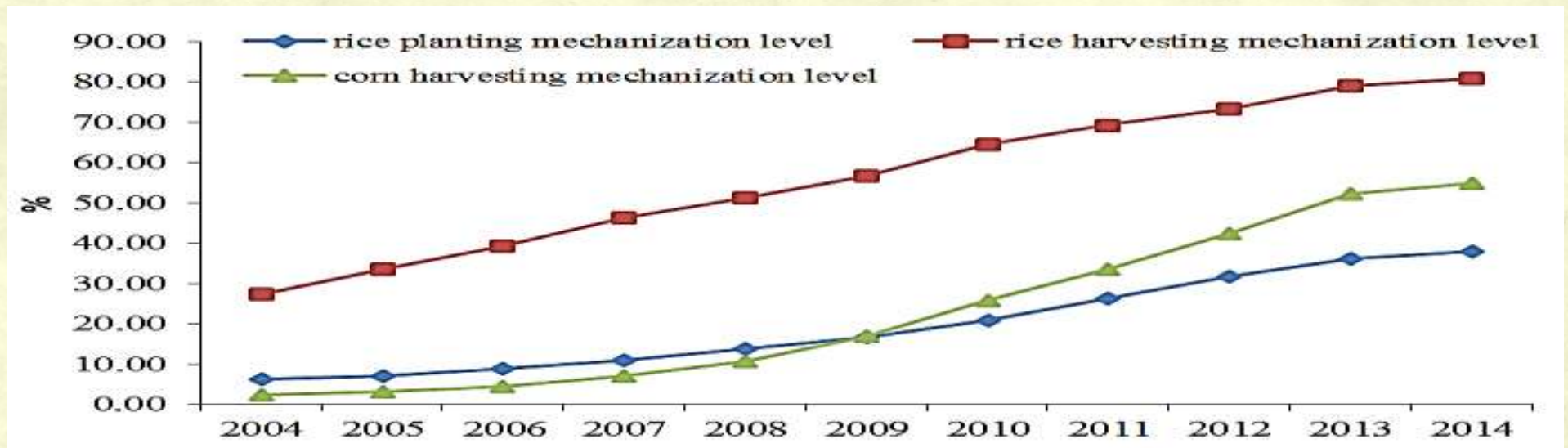
The national integrated farming mechanization level in 2003 reached 61.6%, 27 percentage points higher than in 2004.



Comprehensive mechanization level of crop tillage, planting and harvesting of China in 2004-2014

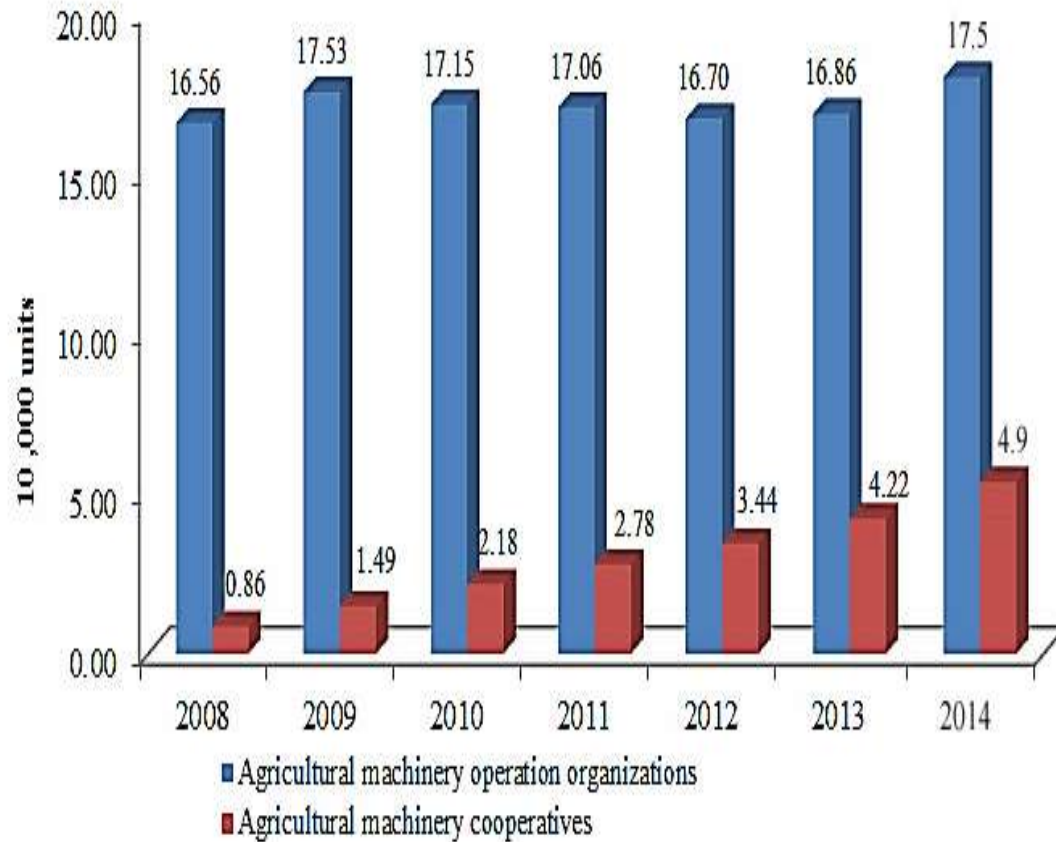
Current status of agricultural mechanization in China

In 2014, the mechanization level of rice planting, harvesting and corn harvesting of China is 40%, 85%, 58% respectively, and in 2004, 6%, 27%, 2% respectively.



Mechanization level of rice planting, harvesting and corn harvesting of China in 2004-2014

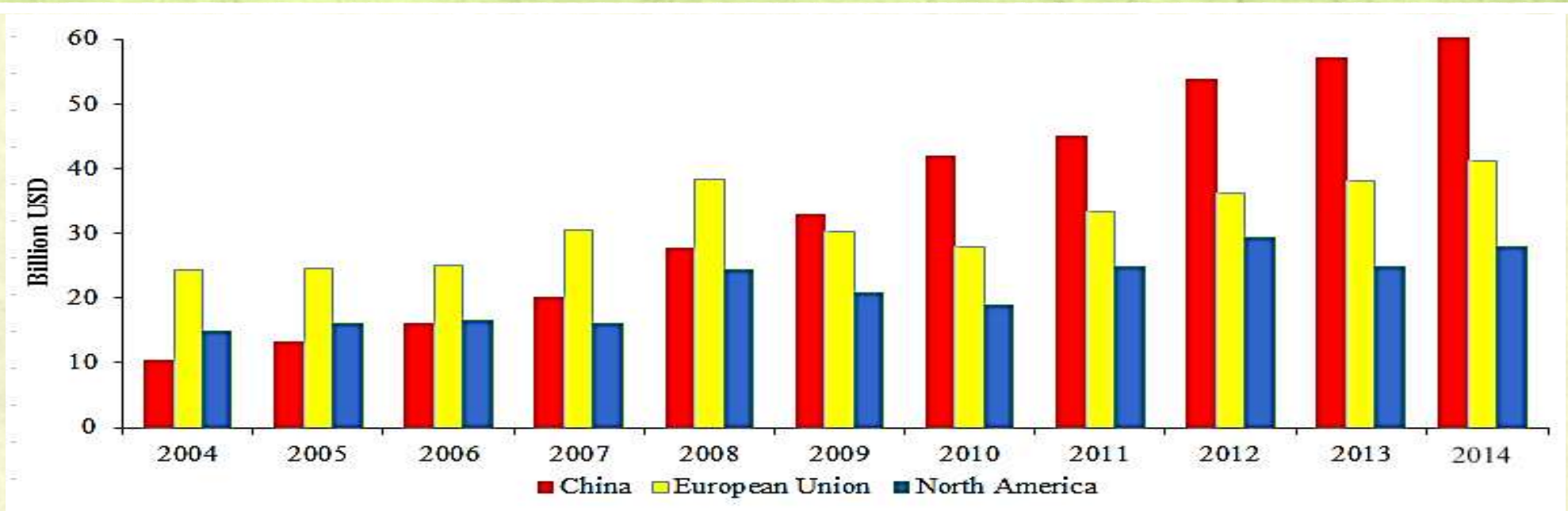
Current status of agricultural mechanization in China



The number of agricultural machinery operation organizations of China are 175 thousand in 2014, among which , more than 49 thousand are agricultural machinery cooperatives.

The number of agricultural machinery operation organizations of China in 2008-2014

Current status of agricultural mechanization in China



Gross value of agricultural machinery industrial output of China, Europe Union and North America in 2004-2014

The total output value of the agricultural machinery industry reached approximately RMB 400 billion, accounting for 45% of the total output value of the global agricultural machinery industry.

Human resource development in agricultural mechanization in China



Currently, there are over 56 million industry professionals in agricultural machinery research, machinery operation, maintenance, management, education and training, and technical extension in China, over 90% of whom are service personnel for the operation of agricultural machinery.

Human resource development in agricultural mechanization in China



There are now over 1800 educational and training institutions on agricultural mechanization in China, with more than 20,000 professionals.

Human resource development in agricultural mechanization in China



Rich and practical content in training and educational programs Slide #13

Human resource development in agricultural mechanization in China



Strengthened training capabilities

Human resource development in agricultural mechanization in China



拖拉机登记规定
拖拉机驾驶证申领和使用规定
拖拉机驾驶培训管理办法

中国法制出版社



Established training system

Slide #15

Human resource development in agricultural mechanization in China

In the past 5 years, over 5 million personnel on average have received government-backed trainings, 85% of whom are farm machinery operators.



Suggestions on promoting the human resources development in agricultural machinery in the Asia Pacific region

- Reinforce the cultivation of scientific and technological innovation personnel
- Strengthen personnel cultivation for farm machinery cooperatives
- Step up partnership in farm machinery personnel training between countries in Asia Pacific

Thank you

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