Human Resource Development in Agricultural Mechanization in China

Yubin Lu & Hanfu Zhang
Department of Agricultural Mechanization, Ministry of Agriculture, PRC

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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
By the end of 2014, the total power of farm machinery nationwide had reached 1.08 billion KW, 1.6 times that of 2004.
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.
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
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.
The national integrated farming mechanization level in 2003 reached 61.6%, 27 percentage points higher than in 2004.
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
The number of agricultural machinery operation organizations of China are 175 thousand in 2014, among which, more than 49 thousand are agricultural machinery cooperatives.
Current status of agricultural mechanization in China

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.
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.
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
Human resource development in agricultural mechanization in China

Strengthened training capabilities
Human resource development in agricultural mechanization in China

Established training system
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