



United Nations
ESCAP

Asian and Pacific Centre for Agricultural Engineering and
Machinery (APCAEM)

Ministry of Agriculture of the People's Republic of China

*International Seminar on Enhancing Extension of Conservation
Agriculture Techniques in Asia and the Pacific*

Zhengzhou, China, 24-26 October 2007

Programme

Tuesday, 23 October Arrival of Participants & Registration

Wednesday, 24 October

0830 ó 0900 Registration

Opening Session

Chairperson: Ms. Xiangjun YAO, Deputy Director-General, Department of International Cooperation, Ministry of Agriculture (MOA) of P. R. China

0900 ó 0940

Opening Ceremony

- Welcome address by a senior government official of Henan Province, China
- Opening statement by Dr. Joong-Wan CHO, Head/Senior EAO, APCAEM
- Opening remarks by Mr. Hengxin LIU, Deputy Director-General, Department of Agricultural Mechanization Management, MOA, China

0940 ó 1000

Group Photo and Refreshment Break

Session I. Environmental Implications for Conservation Agriculture
(25 minutes for each presentation)

Co-chairs: Dr. Joong-wan CHO, Head/Senior EAO, APCAEM

Mr. Hengxin LIU, Deputy Director-General, Department of Agricultural Mechanization Management, MOA, China

- 1000 ó 1025 Conservation Tillage and Sustainable Development (Keynote Presentation I -1)
By Mr. Ming LU, Member of the Standing Committee of the National People's Congress of China (NPCC) and Vice Chairman of the Agricultural Committee of NPCC
- 1025 ó 1050 The Potential of Conservation Agriculture for the Clean Development Mechanism (CDM) (Keynote Presentation I - 2)
By Prof. J. N. TULLBERG, CTF Solutions and University of Queensland, Australia
- 1050 ó 1115 The Impacts of Conservation Tillage on Atmosphere Warming, Dust Storm and Soil Deterioration in North China (Keynote Presentation I - 3)
By Prof. Huanwen GAO, China Agricultural University
- 1115 ó 1140 Enhancing the Application of Conservation Tillage Techniques for Sustainable Agriculture Development
By Mr. Kailun ZHANG, Director-General, Bureau of Agricultural Mechanization, Henan Province, China
- 1140 ó 1200 **Interactive Discussion**
- 1210 ó 1400 **Lunch Break**

Session II. Conservation Agriculture Techniques and Machinery
 (25 minutes for each keynote presentation, 15 minutes for other presentations)
 Co-chairs: *Mr. Xiangwen DING, Director-General, General Station of Technology Development and Extension for Agricultural Mechanization, MOA, China*
Prof. Ping CHANG, Senior Expert, APCAEM

- 1400 ó 1425 Degradation of Natural Resources and Measures for Mitigation (Keynote Presentation II ó 1)
By Dr. Theodor FRIEDRICH, Senior Officer, Crop Production Systems Intensification, United Nations Food and Agriculture Organization (FAO), Rome, Italy
- 1425 ó 1440 Technologies of Direct Seeding Machines and Equipment for Crop Rotation of Wheat and Maize
By Dr. Hongwen LI, Professor of China Agricultural University
- 1440 ó 1455 Productivity and Sustainability Effects of Conservation Agriculture
By Prof. J. N. TULLBERG, CTF Solutions and University of Queensland, Australia
- 1455 ó 1510 Effects and Problems in Adoption of Conservation Tillage for Water and Soil Protection on the Loess Plateau of China
By Prof. Mingde HAO, Northwest University of Agro-Forestry Science and Technology of China
- 1510 ó 1525 Conservation Agriculture Increased Wheat Yields and Water Efficiency in

- the Hexi Corridor, Gansu, China
By Prof. A. D. MCHUGH et al, School of Land, Food and Crop Sciences, University of Queensland, Australia
- 1525 ó 1540 Study on Soil Protection by Crop Residue in the Wind and Sandstorm Area along the Great Wall
By Prof. Ruixiang ZHU, Northwest University of Agro-Forestry Science and Technology of China
- 1540ó 1600 **Refreshment Break**
- 1600 ó 1615 Effects, Problems and Countermeasures in Promoting the Application of Conservation Tillage on the Loess Plateau of China
By Prof. Gaobao HUANG, Gansu Agricultural University of China
- 1615ó 1630 Integrated Pest Management (IPM) under Conservation Tillage
By Mr. Kecheng ZHANG, Associate Research Professor, Institute of Plant Protection, Chinese Academy of Agricultural Science
- 1630 ó 1645 Study on Performance of Conservation Tillage Equipments in Wheat and Maize Planting in Nepal
By Mr. Shreemat SHRESTHA, Agricultural Engineering Division, Nepal Agriculture Research Council, Nepal
- 1645 ó 1700 Research on Minimum Tillage Techniques and Equipment for Water Conservation in the Paddy Field
By Mr. Chunlin XU, Research Professor, Harbin Research Institute for Agricultural Mechanization, China
- 1700 ó 1715 Study on Maize Planting Techniques of Wheat/Narrow Alternation with High Stubble
By Mr. Wuren LIU, Research professor, Academy of Agricultural Science of Jilin Province, China
- 1715 ó 1730 Study on Conservation Tillage and Crop Rotation in the Paddy Field of South China
By Mr. Junfang XIA associate professor, Agricultural University of Central China
- 1730 ó 1800 **Interactive Discussion**
- 1800 ó 2000 **Welcome Reception Hosted by the Ministry of Agriculture of China**

Thursday, 25 October

Session III. Application and Extension Service of Conservation Agriculture
 (25 minutes for each keynote presentation, 15 minutes for other presentations)

Co-chairs : Prof. J. N. TULLBERG, CTF Solutions and University of Queensland Australia

*Mr. Xuemin FAN, Division Director, Department of Agricultural
Mechanization Management, MOA, China*

- 0800 ó 0825 Challenges in Application of Canadian Experiences of Conservation
Agriculture in China (Keynote presentation III - 1)
*By Dr. Yuxia LI, Expert, Project on Sino-Canadian Sustainable
Agriculture
Development*
- 0825 ó 0840 Enhancing the Establishment of the Platform for Technology Innovation
Research to Promote the Healthy Extension of Conservation Tillage
Techniques
*By Mr. Bingqiang ZHAO, Research Professor, Chinese Academy of
Agricultural Science*
- 0840 ó 0855 Driving Strategies and Mechanical Technologies for Conservation
Agriculture in the Republic of Korea
*By Mr. In-Kyu JUNG, Researcher, National Institute of Agricultural
Engineering, Rural Development Administration, Republic of Korea*
- 0855 ó 0910 Practice and Review on the Establishment of Enduringly-Effective
Mechanism for the Extension of Conservation Agriculture
*By Mr. Fang XIA, Research Professor, Extension Service of Agricultural
Machinery Technology, Henan Province, China*
- 0910 ó 0925 The Role of Crop Protection Industry in Conservation Tillage Development
in China
By Mr. Jeff Yuet-fu AU, Manager, Syngenta Investment Co. China
- 0925 ó 0940 Study on Conservation Tillage Techniques in the Different Fields of
Shanxi Province, China
*By Mr. Zhanxing HAN, Division Director, Bureau of Agricultural
Mechanization Management, Shanxi Province, China*
- 0940 ó 1000 **Refreshment Break**
- 1000 ó 1015 Introduction of Conservation Agriculture Techniques in the Democratic
People's Republic of Korea
By Mr. Kyong Il KIM, Ministry of Agriculture, DPR Korea
- 1015 ó 1030 The Development Trend, Problems and Countermeasures in the Adoption
of Conservation Tillage in Shandong Province, China
By Prof. Zengjia LI, Shandong Agricultural University, China
- 1030 ó 1045 Development of Conservation Agriculture in Viet Nam
*By Mr. Ngo Ngoc ANH, Viet Nam Institute of Agricultural Engineering
and Post-harvest Technology, Viet Nam*
- 1045 ó 1100 Conservation Tillage System in the Oasis Irrigation Area of Xinjiang
Uigur Autonomous Region of China
By Prof. Yongcheng CHEN, Xinjiang Shihezi University, China
- 1100 ó 1115 Study on the Practice and Development of Conservation Tillage in

	Ningxia Hui Autonomous Region, China <i>By Mr. Hongxing WANG, Research Professor, Extension Service of Agricultural Machinery Technology, Ningxia, China</i>
1115 ó 1130	The Adoption and Extension of Conservation Tillage Techniques in the Ridge Culture Field <i>By Mr. Zhixue LEI, Head, Bureau of Agricultural Mechanization of Fuxin City, Liaoning Province, China</i>
1130 ó 1200	Interactive Discussion
1200 ó 1400	Lunch Break

Session IV.	Strategy and Policy for the Development of Conservation Agriculture (25 minutes for each keynote presentation, 15 minutes for other presentations)
<i>Co-chairs:</i>	<i>Dr. Theodor FRIEDRICH, Senior Officer, Crop Production Systems Intensification, United Nations Food and Agriculture Organization (FAO), Rome</i> <i>Mr. Min LIU, Director-General, China Agricultural Machinery Testing Centre</i>

1400 ó 1425	Conservation Agriculture Policy ó Perspective and Future Scope (Keynote Presentation IV - 1) <i>By Dr. S. K. TANDON, Assistant Director-General (Engg.), Indian Council of Agricultural Research (ICAR), India</i>
1425 ó 1440	The Advantage and Disadvantage of Conservation Agriculture in Australia <i>By Mr. Jason SABEENEY, Manager, Syngenta Company, Australia</i>
1440 - 1455	Study on the Direct Seeding Machines for Crop Rotations of Wheat and Corn <i>By Mr. Genzhong MA, Senior Engineer, Extension Service for Agricultural Mechanization, Shandong Province, China</i>
1455 ó 1510	The Impacts of Different Farming Methods on the Emission of Carbon Dioxide <i>By Dr. Lifeng HU, PostDoc. Fellow, China Agricultural University</i>
1510 ó 1600	Conclusions and Recommendations

1630 ó 1730	Closing Session
<i>Chairperson:</i>	<i>Mr. Jinyao ZONG, Director-General, Department of Agricultural Mechanization Management, MOA, China</i>

- Adoption of the Conclusions and Recommendations (The English version will be announced by Dr. Joong-Wan CHO, Head/Senior EAO, APCAEM and the Chinese version by Mr. Hengxin LIU, Deputy Director-General,

- Department of Agricultural Mechanization Management, MOA, China)
- Closing remarks by Mr. Baowen ZHANG, Vice Minister, Ministry of Agriculture, China

1800 ó 2000 **Dinner**

Friday, 26 October Technical Visits

0800 ó 1200 **Field visit** to the Demonstration Area of CA and the operation of CA machinery and equipment, in Jiaozuo City, Henan Province, China

1200 ó 1400 **Lunch Break**

1400 ó 1730 Technical visit to Haofeng Machinery Co. Ltd, Xuchang City, Henan Province, China

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