



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

Tentative Programme

Tuesday, 23 October Arrival of Participants & Registration

Wednesday, 24 October

0830 – 0900 Registration

Opening Session

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

0900 – 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 – 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 – 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 – 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 – 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 – 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 – 1200 **Interactive Discussion**

1210 – 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 – 1425 Degradation of Natural Resources and Measures for Mitigation (Keynote Presentation II – 1)

By Dr. Theodor FRIEDRICH, Senior Officer, Crop Production Systems Intensification, United Nations Food and Agriculture Organization (FAO), Rome, Italy

1425 – 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– 1455 Productivity and Sustainability Effects of Conservation Agriculture

By Prof. J. N. TULLBERG, CTF Solutions and University of Queensland, Australia

1455 – 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 – 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 – 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
- 1540– 1600 **Refreshment Break**
- 1600 – 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
- 1615– 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 – 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 – 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 – 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 – 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 – 1800 **Interactive Discussion**
- 1800 – 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 – 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 – 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 – 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 – 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 – 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 – 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 – 1000 **Refreshment Break**
- 1000 – 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 – 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 – 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 – 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 – 1115 Study on the Practice and Development of Conservation Tillage in Ningxia Hui Autonomous Region, China
By Mr. Hongxing WANG, Research Professor, Extension Service of Agricultural Machinery Technology, Ningxia, China
- 1115 – 1130 The Adoption and Extension of Conservation Tillage Techniques in the Ridge Culture Field
By Mr. Zhixue LEI, Head, Bureau of Agricultural Mechanization of Fuxin

City, Liaoning Province, China

1130 – 1200 **Interactive Discussion**

1200 – 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)

Co-chairs: Dr. Theodor FRIEDRICH, Senior Officer, Crop Production Systems Intensification, United Nations Food and Agriculture Organization (FAO), Rome

Mr. Min LIU, Director-General, China Agricultural Machinery Testing Centre

1400 – 1425 Conservation Agriculture Policy – Perspective and Future Scope (Keynote Presentation IV - 1)

By Dr. S. K. TANDON, Assistant Director-General (Engg.), Indian Council of Agricultural Research (ICAR), India

1425 – 1440 The Advantage and Disadvantage of Conservation Agriculture in Australia

By Mr. Jason SABEENEY, Manager, Syngenta Company, Australia

1440 - 1455 Environmental Protection Issues on Conservation Agriculture: the Philippines Experience

By Mr. Moises A. DORADO, Professor, College of Engineering and Agro-Industrial Technology, University of the Philippines, Los Banos

1455 – 1510 The Impacts of Different Farming Methods on the Emission of Carbon Dioxide

By Dr. Lifeng HU, PostDoc. Fellow, China Agricultural University

1510 – 1600 **Conclusions and Recommendations**

1600 – 1630 **Group Photo and Refreshment Break**

Closing Session

Chairperson: Mr. Jinyao ZONG, Director-General, Department of Agricultural Mechanization Management, MOA, China

- 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 – 2000 **Dinner**

Friday, 26 October Technical Visits

- 0800 – 1200 **Field visit** to the Demonstration Area of CA and the operation of CA machinery and equipment, in Jiaozuo City, Henan Province, China
- 1200 – 1400 **Lunch Break**
- 1400 – 1730 Technical visit to Haofeng Machinery Co. Ltd, Xuchang City, Henan Province, China

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