



Programme

23-25 February, 2011



Pearl Continental Hotel, Mall Road, Lahore - Pakistan



February 22, 2011

Welcome Dinner

8:00 pm at Pearl Continental Hotel

February 23, 2011

Registration

8:00 am

SESSION 1:

Inauguration

9:00 am

Recitation from Holy Quran and its translation, Qari Nawas Ahmad

Welcome by Mr. Arif Nadeem, Secretary, Department of Agriculture, Punjab, Lahore, Pakistan

Welcome by Dr. Jingyuan Xia, Chairman of the Asian Cotton Research and Development Network

(Director General, National Agro-Tech Extension and Service Centre (NATESC), Ministry of Agriculture, China)

Welcome by Dr. M. Rafiq Chaudhry, Head, Technical Information Section, International Cotton Advisory Committee

Welcome by Dr. Julie Flood, Global Director for Commodities, CABI, UK

Inaugural address by Mian Shahbaz Sharif, Chief Minister, Punjab

Group photo with the Chief Guest

Tea/coffee break

10:00 am

SESSION 2:

Insect Pests and Pesticides

10:30 am

Chairman:

Dr. M. Ashraf Poswal, Regional Director, West and Central Asia, CABI, Pakistan

Co-Chairman

Dr. Zahoor Ahmad, 4-Brothers Seed Corporation, Lahore, Pakistan

10:35 am

Status of Bt cotton, Introgression and Heterosis Breeding in India

Dr. B. M. Khadi, Dean, Post Graduate Studies, University of Agricultural Sciences, Dharwad, Karnataka, India

10:55 am

Historical Perspective and Achievements in Biological Management of Cotton Mealybug Phenacoccus solenopsis Tinsley in Pakistan

Mr. R. Mahmood, M. N. Aslam, G.S. Solangi and A. Samad, CABI South Asia, Rawalpindi, Pakistan

11:15 am

Use of PVX Vector as Expression System and Mealybug as a Model Target Insect for Resistance Against Sucking Pests

Ms. Mussarat Shaheen, Arif Muhammad Khan, Shaista Javed, Amir Raza, Muhammad Ashfaq, Imran Amin, Zahid Mukhtar and Shahid Mansoor, National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan

11:35 am

Experience with Biotech Cotton in China

Dr. Jingyuan Xia, Director General, National Agro-Tech Extension and Service Centre (NATESC), Ministry of Agriculture, China

11:55 am

Emerging Pests of Bt Cotton and Dynamics of Insect Pests in different Events of Bt Cotton

Dr. Shashikant S. Udikeri, University of Agricultural Sciences, Dharwad, Karnataka, India

12:15 pm

Cotton Whittely in Pakistan: A Single Species or Species Complex?

Dr. Ghulam Rasul Baloch, Ashfaq Ahmad, Muhammad Nouman Tahir and Shahid Mansoor, National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan

12:35 pm

Preliminary Observations on Egg Parasitoids of Cotton, *Amrasca biguttula* (Ishida) on cotton

Mr. H. A. Sahito, I. Haq, A. G. Sulehria and A. A. Nahyun, CABI South Asia, Rawalpindi, Pakistan

12:55 pm

Global Changes and Recent Advances in the Pesticide Industry

Dr. Shakeel Ahmed, Syngenta Pakistan

Lunch break

1:15 pm

SESSION 3:

Chairman

Leaf Curl Virus Diseases

2:00 pm

Co-Chairman

Dr. Iqar A. Khan, Vice Chancellor, University of Agriculture, Faisalabad, Pakistan

Dr. Shahid Mansoor, National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan

02:05 pm

Recent Changes in Cotton Leaf Curl Begomovirus Complex in Pakistan: Are we Heading Towards a New Epidemic?

Dr. Shahid Mansoor, Muhammad Nouman Tahir, Ali Qaiser Khan, Imran Amin and Rob W. Briddon, National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan

02:25 pm

Whittely-transmitted Viruses of Cotton

Dr. Judith Brown, Professor, University of Arizona, Tucson, AZ, USA

02:45 pm

Cotton Leaf Curl Virus Disease in India: Recent Status and Management Strategies

Dr. Dilip Monga, Head, Central Institute for Cotton Research, Regional Research Station, Sirsa, Haryana, India

03:05 pm

A New Strategy to Develop Virus-tolerant Cotton Plants

Dr. Tayyab Hunsain, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan

Tea/coffee break

03:30 pm

SESSION 4:

Moderator

Panel discussion – Non-chemical Control Measures

4:00 pm

(Each panel member will make 10 minutes opening remarks, which will follow open discussion)

Dr. B. M. Khadi, Dean, Post Graduate Studies, University of Agricultural Sciences, Dharwad, Karnataka, India

Biotech Cotton for Tomorrow

Dr. Tianzhen Zhang, Professor/Director, National Key Laboratory of Crop Genetics and Germplasm Enhancement, Cotton Research Institute, Nanjing Agricultural University, Cotton Research Institute, Nanjing Agricultural University, China

Insecticide Resistance Management of Insect Pest Complex in Bt cotton

Dr. Mushtaq Ahmad, Ex-Deputy Chief Scientist, Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad, Pakistan

Recent Invasive Hemipterans and their Biological Control in Asia

Dr. Rangaswamy Muniappan, Program Director, IPM CRSP, Virginia Tech, VA, USA



- Correlation of (+) Gossypol Level in Seeds of Cotton Hybrids with Their Insect and Disease Resistance
Dr. Shadman Namazov, Uzbek Scientific Research Institute of Cotton Breeding and Seed Production, Tashkent, Uzbekistan
- Combating Cotton Leaf Curl Disease: A Way Forward
Dr. Mehboob-ur-Rehman, National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan

Adjourn 5:00 pm
Dinner 7:00 pm

February 24, 2011

SESSION 5: Cotton Agronomy and Physiology: Still a Key to Higher Productivity 8:30 am

Chairman: Dr. Tayyab Husnain, Centre for Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan

Co-Chairman: Muhammad Nasir, Ali Akbar Group of Companies, Lahore, Pakistan

- 08:35am** Identifying Physiological Traits of Cotton Genotypes to Cope with Water Shortage Problems
Mr. Shahab-ud-Din, Fiaz Ahmad and Rehmat Ali, Central Cotton Research Institute, Multan, Pakistan
- 08:55am** The Effect of Zinc Application Methods on Seedcotton Yield and Lint Quality in Eastern Mediterranean Region of Turkey
Dr. Lale Efe, Kahramanmaraş Sutcu Imam University, Field Crops Department, Kahramanmaraş, Turkey
- 09:15am** The Use of Sewage Water (City Waste Water) in Cotton Production
Mr. Ebadollah Baniani, Head of Cotton and Field Crops Department, Agricultural Research and Natural Resources Center of Tehran Province, Cotton Research Institute, Varamin, Iran
- 09:35am** Effects of Chisel and Irrigation Intervals on Seedcotton (*Gossypium hirsutum* L.) Yield under Southern Punjab Climatic Conditions
Dr. Dilbaugh Muhammad, Muhammad Naveed Atzal, Ilyas Raza, Mian Muhammad Anwar, Central Cotton Research Institute, Multan, Pakistan
- 09:55am** Cotton Leaf Curl Virus: An Economic Threat to Pakistan Economy and Efforts of the Private Sector to Solve this Problem.
Ch. Muhammad Hanif, Chief Scientist, 4-Brothers Seed Corporation, Lahore, Pakistan

Tea/coffee break 10:15 am

SESSION 6: New Technological Development and Their Utilization 11:00 am

Chairman: Mr. Masood A. Majeed, Chairman, Pakistan Cotton Ginners Association, Multan, Pakistan

Co-Chairman: Dr. Oktay Gencer, Coordinator/Chairman, Interregional Cooperative Network on Cotton for the Mediterranean and Middle East Regions (Professor, University of Cukurova, Turkey)

- 11:05 am** New Developments in Cotton Technologies
Dr. Freddie Bourland, Center Director, Northeast Research and Extension Center, University of Arkansas, USA
- 11:20 am** Recent Advances in Ginning for Lowering Costs and Improving Efficiency
Mr. Mahendra Kumar Sharma, President, Bajaj Steel Industries Ltd., Nagpur, India

11:35 am Particle Boards from Cotton Stalks

Dr. Abdul Jabbar Shaikh, Director, Central Institute for Research on Cotton Technology, Mumbai, India

11:50 am Research on the Ultra-microstructure, Chemical Properties, Genetic Effects and QTLs Location of Natural Color Cotton

Dr. Xiongming Du, Cotton Research Institute of Chinese Academy of Agricultural Sciences

SESSION 7: Country Reports (Strict limit on 10 minutes each) 12:05 pm

Chairman: Mr. Junaid Iqbal Chowdry, Secretary, Ministry of Food and Agriculture, Islamabad, Pakistan

Co-chairman: Dr. Noor-ul-Islam, Director General Agri. (Research), Ayub Agricultural Research Institute, Faisalabad, Pakistan

Bangladesh – Dr. Muhammad Farid Uddin, Deputy Director, Cotton Development Board, Dhaka
(Effect of variety and fertilizer management on yield and yield contributing characters of cotton)

Iran – Mr. Omran Alishah, Deputy Director, Cotton Research Institute, Gorgan
(Potential and limitation of cotton production in Iran)

Myanmar – Ms. Than Than Nu, Myanmar Cotton and Sericulture Enterprise, Yankin
(Cotton Production Technology and Research in Myanmar)

Pakistan – Mr. Muhammad Arshad, Vice President, Pakistan Central Cotton Committee, Karachi
(Management of Cotton R&D Issues in Pakistan)

Thailand – Ms. Parinya Seburuang, Nakhon Sawan Field Crops Research Center
(TakFa4 : New Jassid Tolerance Cotton Variety)

Lunch break 1:00 pm

SESSION 8: New Trends in Cotton Breeding for Yield and Quality 2:00 pm

Chairman: Mr. Shahzad Ali Malik, Guard Agricultural Research and Services (Pvt.) Ltd. Lahore, Pakistan

Co-Chairman: Prof. Dr. Rao Asif Ali, University of Agriculture, Faisalabad, Pakistan

2:05 pm Iran's Experience in Stacking Insect Resistance and Diseases Tolerance in a Transgenic Cotton

Dr. Behzad Ghareyazie, Agricultural Biotechnology Research Institute of Iran, Tehran, Iran

2:25 pm Introgression of Desirable Characters for Higher Productivity in Cotton

Dr. Abid Mahmood, Director, Cotton Research Institute, Faisalabad, Pakistan

2:45 pm Recorded video presentation, Innovation: Teaching and Old Plant New Tricks

Agricultural Research, Cotton Incorporated, USA

3:05 pm Breeding for Early Maturity, High Yield and Resistant to Verticillium dahliae Kleb. Cotton Varieties of G. Hirsutum L. with Increased Fiber Quality and Quantity

Dr. Victor Avtonomov, Head of Department, Uzbek Scientific Research Institute of Cotton Breeding and Seed Production, Tashkent, Uzbekistan

Tea/coffee break 3:30 pm



SESSION 9: Intellectual Property Rights – Open Discussion 4:00 pm

Moderator: Dr. Yusuf Zafar, Chief Scientist / Director General, Biosciences Division
Pakistan Atomic Energy Commission, Islamabad, Pakistan

Co-Moderator: Mr. Jamshed Iqbal Cheema, Auriga Group of Companies, Lahore, Pakistan
One-hour open discussion without any formal presentations

Adjourn 5:00 pm
Dinner 7:00 pm

February 25, 2011**SESSION 10:** Leaf Curl Virus Disease: Threats and Challenges 8:30 am

(Five minutes presentation by each followed by open discussion)

Moderator: Dr. Mounir G. Abou Haidar, Associate Professor, Department of
Cell and Systems Biology, University of Toronto, Canada

- Dr. Saghir Ahmed, Cotton Research Station, Multan, Pakistan
(Exploration of potential sources for cotton leaf curl virus resistance in cotton)
- Dr. Zarifa Kadirova, Institute of Genetics and Plant Experimental Biology, Tashkent, Uzbekistan
(Virus diseases of cotton in Uzbekistan)
- Dr. M. Iqbal, Associate Professor, Islamia University, Bahawalpur, Pakistan
Agronomic Management Of Cotton Leaf Curl Virus In Cotton
- Mr. Iftikhar Ali Khan, Muhammad Saeed, Imran Amin, Noor-ul-Islam and Shahid Mansoor National Institute for
Biotechnology and Genetic Engineering, Faisalabad, Pakistan
(Understanding of resistance in G. arboreum and other novel sources of resistance against cotton leaf curl
virus)
- Mr. G.S. Solangi and R. Mahmood, CABI South Asia, Rawalpindi, Pakistan
(Biology, host specificity and population trends of Aenasius bambawalei Hayat and its role in controlling
mealybug Phencoccus solenopsis at Tandojam Sindh)

SESSION 11: Cotton Improvement 9:30 am

Chairman: Ch. Iftikhar Nazir, Alahdin Group of Companies, Multan

Co-Chairman: Dr. Keshav Kranthi, Director, Central Institute for Cotton Research, Nagpur

9:30 am Fine Tuning RNA Interference Technology For Resistance Against Cotton Leaf Curl Complex

Dr. Shahid Mansoor, Javeria Qazi, Irfan Ali, Imran Amin, Muhammad Nouman Tahir, Sohail Akhtar, Yusuf Zafar,
and Rob W. Briddon, National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan

9:50 am Targeting Insect Pests Through Bt And Non-Bt Genes

Dr. Zahid Mukhtar, Sher Afzal Khan, Shaheen Attab, Muhammad Arshad, Nasir Ahmad Saeed, Allah Dino
Shah, Muhammad Nouman Sohail, Muhammad Asif, Afzal Naeem, Yusuf Zafar and Shahid Mansoor, National
Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan

10:10 am Resurgence of Natural Colored Cotton in Pakistan

Mr. Anwar Tariq, Consultant, Pakistan Agricultural Research Council, Islamabad, Pakistan

10:30 am Breeding for Early Maturity, High Yield and Tolerant to Fusarium oxysporum. Cotton Varieties of G. barbadense Differing with Increased Fiber Quality and Quantity

Prof. Oybek Kimsanbaev, Head of Project, Uzbek Scientific Research Institute of Cotton Breeding and Seed
Production, Tashkent, Uzbekistan

Tea/coffee break 3:30 pm

SESSION 12: Prospects and Limitations of Biotechnology 11:00 am

Chairman: Mr. Gohar Ijaz, Chairman, All Pakistan Textile Mills Association, Lahore, Pakistan

11:05 am Bt. Cotton in Punjab: Current Status

Dr. Muhammad Zaffar Iqbal, Director, Biotechnology Institute, Faisalabad, Pakistan

11:25 am Mealybug Infestation and Control

Dr. Keshav Kranthi, Director, Central Institute for Cotton Research, Nagpur, India

11:45 am Over Expression of AVP1 Gene Improves Salt and Drought Tolerance in Transgenic Cotton

Dr. Shaheen Asad, Muhammad Arshad, Zahid Mukhtar, Yusuf Zafar and Shahid Mansoor, National Institute
of Biotechnology and Genetic Engineering, Pakistan

12:05 am Utilization of Natural Diversity in Cotton Germplasm for Pyramiding Genes via Marker Assisted Selection Programs

Dr. Ibrokhim Abdurakhmonov, Lead scientist/Principal Investigator, Institute of Genetics and Plant Experi-
mental Biology

Cotton Fiber Improvement Strategies Through Genetic Engineering

12:25 am Dr. Attab Bashir, National Institute of Biotechnology and Genetic Engineering, Pakistan

Use of Molecular Marker Technology for Drought and Salt Tolerance in Cotton

12:45 pm Dr. Muhammad Saeed, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan

Lunch break 1:00 pm

SESSION 13: Concluding session 3:00 pm

(Activities of the Network, new directions, election of the new chairman)

Chairman: Dr. M. Rafiq Chaudhry, Head, Technical Information Section, International Cotton Advisory
Committee

Acknowledgements on behalf of the Organizing Committee, Dr. Noor ul Islam, Director General, Ayub
Agriculture Research Institute, Faisalabad, Pakistan

General discussion on the Network activities

Election of a new Chairman

Remarks from the outgoing Chairman, Dr. Jingyuan Xia, China

Address from the new Chairman

Concluding remarks: Mr. Arif Nadeem, Secretary, Department of Agriculture, Punjab, Pakistan

Adjourn 4:00 pm
Dinner 7:00 pm



KANZO Multan

Agri Farm Sitara Seeds
Saim Seeds Corporation

Resham Seeds
RCA Seeds

Jalendhar Seed Corporation
Mumtaz Seeds