

# COTTON *Innovate*



Weekly Newsletter from Central Institute for Cotton Research, Nagpur

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## AICCIIP ANNUAL GROUP MEETING



The annual group meeting of All India Coordinated Cotton Improvement Project (AICCIIP) was held at Punjab Agricultural University (PAU), Ludhiana from April 7-9, 2014. The meeting was inaugurated by Dr. B.S. Dhillon, Hon'ble Vice-Chancellor, PAU Ludhiana, and attended by Dr. S K Dutta, DDG (Crop Science), Dr N Gopalakrishnan, ADG (CC), Dr. P. K. Chakrabarty ADG (PP), Dr C. D. Mayee, Former Chairman ASRB, Dr. K. R. Kranthi, Director, CICR, Dr. S. K. Chattopadhyay, Director, CIRCOT, Dr. A. H. Prakash, Project Coordinator (AICCIIP), Dr. R.K. Gumber, ADR, PAU Ludhiana, Dr Anupam Barik, Additional Agricultural Commissioner, GOI, Dr Siwach, DOR, CCSHAU, Hisar and Dr. S.S. Gosal, DOR, PAU Ludhiana alongwith other distinguished participants.

The welcome address was given by Dr. S.S.Gosal, Director of Research, PAU, Ludhiana. The research highlights of AICCIIP were presented by Dr. A. H. Prakash, Project Coordinator, AICCIIP. The meeting was inaugurated and addressed by Dr. C. D. Mayee, Former ASRB Chairman and the key note address was given by Dr. Swapan Kumar Dutta, DDG (CS), ICAR New Delhi. The presidential address was given by Dr. B. S. Dhillon, Vice Chancellor, PAU, Ludhiana. Dr. S.K. Dutta, DDG Crop Sciences inaugurated ISCI website during AICCIIP meeting. Dr. K.R.Kranthi, Director & Vice-President informed the audience about the contents of ISCI website. Dr. C.D. Mayee, president, ISCI explained the purpose of ISCI website and online publication and submission of research paper through ISCI website. Dr. S.E.S.A Khader, Principal Scientist (Plant Physiology), CICR, RS, Coimbatore received ISCI best paper award 2014 from Dr. S.K.Dutta for the paper titled " Pruning technique for second fruiting cycle in cotton crop". The inaugural program ended with vote of thanks by Dr. R.K. Gumber, ADR (CI), PAU, Ludhiana.

Formulation of Technical Programme of AICCIIP for the year 2014-15 was finalized by different panels including Breeding, Agronomy & Physiology, Entomology, Plant Pathology and Transfer of Technology. The cotton varietal identification Committee meeting was also held during the Annual Group meeting of AICCIIP under the chairmanship of Dr. N. Gopalakrishnan, ADG (CC), ICAR, New Delhi. Dr. C.D.Mayee presided over the special session on Cotton leaf curl virus disease (CLCuD) and discussed about strategies for control of CLCuD in North India. Dr.Sandhya Kranthi chaired the technical session on Entomology held on 8th April 2014 at the AICCIIP 2014 meet, Ludhiana.



# PHOTOGRAPHS



## LITERATURE SCAN

**Hull less Oats- protein rich cereal:**

**Lab/ institution and parsons involved: Dr. Vernon Burrows, Agriculture and Agri-Food Canada (AAFC).**

### **Invention/ discovery**

The world's first hull less oat variety, AC Gehl, has been developed at AAFC as a premium food product that cooks like rice, but with a much higher nutritional profile. It has twice the protein of rice and very high levels of lysine, an amino acid key to good muscle growth. It also has high beta glucan levels and anti-oxidants for lowering cholesterol and a low glycemic index, making it an excellent option for diabetics and health conscious consumers.

Hull less oats provide cows with 15 to 16% protein, an energy level higher than corn, a 2:1 calcium to phosphorus ratio, and unsaturated fatty acids that improved the nutritional quality of their milk and meat. With the same fertility, weed control, and equipment needs, hull less oats could produce yield up to 10 qt/ac.

### **Possible impact/ practical implications**

AC Gehl has the potential to replace corn, soybeans and rice in some processed foods. Hull less oats will help increase farmers' revenue and offer exciting new choices for consumers. This nutritious, highly-adaptable yet underutilized cereal grain is well on its way to new markets. In 2012, a new line of hull less oat was assigned to Ceapro Inc., which agreed to complete the breeding process and to cover all associated costs of production, registration and protection with a view to negotiating a sole variety licence before March 31, 2015. Ceapro Inc. plans to grow and use the oat for skin care products and other nutraceuticals.

*AAFC currently holds about 500 active licences with over 200 industry partners.*

**Contributed by Dr. VS Nagrare, Senior scientist (Entomology), Division of Crop Protection, CICR, Nagpur**

The above literature scan was submitted under 'Most Exciting Discoveries in Agricultural sciences after 2010' as a part of National Science day Celebration 2014 under Scientists' category.

## PERSONNEL JOINED



**Mr. Joy Das**

Mr. Rakesh Kumar and Mr. Joy Das joined CICR, Nagpur as Scientist (Agricultural Biotechnology) after NAARM training on 9th April, 2014.



**Mr. Rakesh Kumar**

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