



COTTON Innovate

Weekly Newsletter of Central Institute for Cotton Research, Nagpur

SCIENTIFIC TALKS

Two scientific talks were held under the aegis of Library club and Innovation cell. Library Club talks are mainly to apprise scientists about latest developments in scientific arena while under Innovation cell talks are given under the title 'Wild Idea' and these talks pertain to any research idea which may not seem feasible at the moment but can lead to scientific breakthrough of practical significance and hence the nomenclature as 'Wild Idea Talk'.

LIBRARY CLUB TALKS



A library talk on "Top dressing of Nitrogen fertilizer?" was delivered on September 2, 2013 by Dr. A. Ravinder Raju, Principal Scientist (Agronomy) of Crop Production Division, CICR, Nagpur. Nitrogen fertilizer topdressing is possible by measuring leaf color and light reflectance at different heights with indigenous sensor based digital device, which can enable to save Rs. 1000/- per cotton farmer/annum.

INNOVATION CELL - WILD IDEA

Dr V.S. Nagrare while presenting WILD IDEA talk titled Insect farming: Future Need companies on Sept. 2, 2013 under the aegis of Innovation Cell of CICR, Nagpur propounded the idea of INSECT FARMING on possible utilization of edible insect to fight against hunger, boost nutrition and reduce pollution around globe. Consumption of insect pests of crop plants particularly cotton would serve to reduce insecticide use, avoid need for Transgenic cotton and thus saving valuable foreign exchange and provide nutrition security to fight malnutrition.



RESEARCH ROUND-UP

STATUS OF COTTON LEAF CURL VIRUS DISEASE DURING 2013-14 SEASON IN NORTH ZONE

Cotton leaf curl virus disease is caused by a gemini virus belonging to family geminiviridae. It is a single stranded circular DNA virus transmitted by whitefly (*Bemisia tabaci*). This year, the disease was first noted in the CICR regional station experimental farm at Sirsa on 17th June, 2013. The incidence and severity of disease in north zone is higher compared to past two years mainly because of favourable weather factors for its development and multiplication of its vector whitefly. There was a deficient rainfall (Around 100 mm rain fall received upto July as per regional station observatory) in the cotton growing areas of Haryana which led to



Field view of cotton crop severely affected by CLCuD

severe incidence of white fly thereby escalating leaf curl virus disease. The white fly incidence remained high in cotton growing areas of Punjab and Rajasthan also during this period. Many of the Bt cotton hybrids are showing susceptible response in farmer fields. The higher incidence might also be attributed to development of new recombinant strains leading to breakdown of resistance as documented in recent publications. Observations on incidence and severity in each state are being recorded to prepare district wise disease maps under AICCIP. Cultivation of tolerant higher yielding Bt hybrids or desi cotton (*Garboreum*), clean cultivation and vector management are the options available for containing the disease and are being advocated to the farmers.

Dr. D.Monga
Head CICR RS, Sirsa

SUPERANNUATION

Shri B.B.Bhumbar, T-5 and Shri P.V. Patil T-2 on their superannuation on August 31, 2013 were accorded warm farewell in a function organized by ICAR-CICR Staff Welfare Club.



Shri B.B.Bhumbar being felicitated by Dr. Blaise, Head, Crop Production Division



Shri P.V. Patil being felicitated by Dr. S.Kranthi, I/C Director, CICR & Head, Crop Protection Division.

MEETINGS ATTENDED

Dr.P R VijayaKumari, Principal Scientist attended the Annual Review Meeting of ICAR Seed Project on "Seed Production in Agricultural Crops" at NBPGR Auditorium, New Delhi from to August 26-27, 2013.

Dr. K.R. Kranthi, Director, CICR, Nagpur attended meeting chaired by Textile Minister Hon'ble Dr. K.S.Rao on Sept. 5, 2013 at New Delhi and made a presentation on increasing cotton yields.

ITMU meeting was held at CICR, Nagpur on Sept. 3, 2013 under the Chairmanship of Director, CICR, Nagpur to discuss various agenda of ITMU. All the Head of Divisions and members attended the meeting.

HUMAN RESOURCE DEVELOPMENT

Leadership Development Programme



Dr. P.K. Chakrabarty, Head, Division of Crop Improvement, attended the Management Development Programme on Leadership Development conducted by the National Academy of Agricultural Research Management, Hyderabad from August 26 to Sept. 6, 2013. The programme was attended by 39 senior level Scientists from ICAR and the Agricultural Universities across the country. The programme was aimed to help participants understand their own personality dimensions, explore leadership challenges and core competencies needed in present-day context, develop understanding and skills in research and technology management and administration and finance management.

DISTINGUISHED VISITORS

Dr. Atanu Purkayastha, Jt secretary (Seeds/TMOP/TMC), Dept of Agriculture and Cooperation, Ministry of Agriculture, GOI along with Dr. Anupam Barik (Additional Commissioner, Crop) visited the experiment fields on HDPS at CICR and interacted with the scientists on Sept. 6, 2013. They also visited some demonstration farms in the village of Borgaon and Khairi in Nagpur district and Patala in Chandrapur district and reviewed the implementation 1RM in HDPS programme.

Shri Ashish Bahuguna, Union Agriculture Secretary, Dept of Agriculture and Cooperation, Ministry of Agriculture, GOI, Shri Sudhirkumar Goel, Principal Agriculture Secretary (Maharashtra), Dr. Atanu Purkayastha Jt secretary (Seeds/TMOP/TMC), Sanjeev Gupta (Jt Secretary, Extension), Sri Umakant Dargat Agriculture Commissioner, Maharashtra, Shri B.

Biotechnology students and four faculty members from Jankidevi Bajaj College of Science, Wardha, visited CICR, Nagpur and learnt the technical aspects of Plant Tissue Culture, Molecular Biology and Biotechnology on Sept. 6, 2013 under the "Star College Scheme" of Department of Biotechnology, Govt. of India.

Shri Venugopal Reddy, District collector (Nagpur) and other Senior Government officials visited CICR on 7th Sept 2013 and went around the farm area, and interacted with the scientists in the experimental fields, before finalizing the venue for holding 'Krishi Vasant' National Agriculture Fair. This mega event to be held from 15-19th Jan 2014 at CICR Nagpur, to commemorate the birth centenary year of Late Sri Vasant Rao Naik (former Chief Minister of Maharashtra) will showcase the state of art Agricultural products and technologies available in the country.



ISCI NEWS

Dr. C. D. Mayee, Former Chairman ASRB, New Delhi has been reelected as the President of the Indian Society for Cotton Improvement (ISCI) for the period 2013-2015 during the Annual General Body Meeting held on 27th Aug 2013. Dr. S. M. Palve, Principal Scientist (Plant Breeding) and Dr. P. Singh (Former Head, DCI) have been elected as the member of the executive committee of ISCI.

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