

# COTTON Innovate



Weekly Newsletter from Central Institute for Cotton Research, Nagpur

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## Scientific Talks



As a part of weekly seminar at CICR, Regional Station, Coimbatore, Dr. B. Dharajothi, Principal Scientist (Entomology) delivered two talks on September 22, 2014. First talk was on “Snake Bite – facts” in which the classification of Snakes at family level and differentiation of poisonous and non-poisonous snakes based on the presence of belly scales, shape of the head and fangs were explained in detail. Composition of the snake venom including enzymes and the toxins were also briefed. Symptoms of the Snake bite and the important steps to be followed during the first aid were highlighted.

Second talk was titled “The Mopane Worm Industry - Rearing, harvesting, processing, storage and utilization of caterpillar for food security and environmental safety”. This was based on presentation by Dr. Joseph Alloty, Professor & Chairman, Research and Publication Committee, University of Botswana Gaborone, Botswana at AZRA Silver Jubilee International Conference from February 16 – 18, 2014. A detailed description about the mopane worm – an edible larval stage of the emperor moth *Imbrasia belina* which appears on the mopane trees. The nutritional components, life cycle, rearing technique of the larvae under laboratory conditions were briefed in detail. Larval harvesting from the trees, processing, packing, marketing and its future scope to uplift the livelihood of the rural population was explained in detail.

Under the weekly seminar at CICR, Regional Station, Coimbatore, Dr. D. Kanjana, Scientist (Soil Science) delivered a talk on “Scientific Integrity” on September 27, 2014. Few scientists in pursuit to earn respect, more money and fame from scientific colleagues and society fail to follow responsible research practices that lead to misconduct in research. Moreover, injustice and frustrations among the scientific communities also contribute to scientific misconduct. Regarding the individual scientists, lack of knowledge and preparation about the research theme, stresses of a scientific career, pressure to achieve a desired result in the case of sponsored applied research lead to misconduct in research. Different types of scientific misconduct viz., Research misconduct (fabrication, falsification and plagiarism), publication related misconduct, personal misconduct and financial misconduct are present in the scientific community. Antiplagiarism softwares and advanced tools can be used to detect the research misconduct. Hence, to prevent the scientific misconduct, scientific integrity is needed, which is an important tool to maintain scientific excellence and preserve the public's confidence. Individuals (scientists), research institutions, scientific societies, scientific journals editor, reviewer and staff should involve and work for fostering scientific integrity with high ethical standards. For ensuring the integrity of science used to support policy recommendations, sustained effort and goodwill by both technical and non-technical policy participants are required. So, in coming days, we should have a healthy respect for science without fear to scrutinize its findings.



## Hindi Fortnight Celebrations

The Central Institute for Cotton Research Nagpur and regional Station, Coimbatore celebrated “Hindi Fortnight-2014” with great enthusiasm from 15.9.2014 to 27.9.2014. At the closing ceremony held at CICR, Nagpur on 27th September, Dr Narendra Chaudhary, Director VNIT, Nagpur was the Chief Guest while Dr C. D. Mayee, Ex-Chairman, ASRB was the Guest of Honour. The two-week celebrations included competitions on English News to Hindi translation, Hindi songs to English translation, spot translation of film dialogues, poetry, singing, quiz, logic-connection, elocution, essay writing and debate. Dr Narendra Chaudhary appreciated the enthusiasm with which the programmes were conducted. He said that there was an imminent need to conduct day-to-day working in Hindi, and also to plan ahead for the Hindi translation of technical terminologies which formed the core of research papers. In his presidential address, Dr C. D. Mayee explained his hilarious experiences with the different accents of Hindi in various parts of the country. He said that his experience in Germany as a Humboldt fellow taught him the tremendous importance of mother tongue in the pursuit of science. Dr K.R. Kranthi, Director and Chairman of the Rajbhasha Committee felicitated the guests. Two publications, Shwet Swarnima and Kapas Samachar were released on the occasion. Prize winners were awarded cash prizes and certificates. Dr Sandhya Kranthi, Dr Blaise Desouza, Dr Lokanathan, Dr Venugopalan, Dr Sumanbala Singh, Dr S, N, Rokade, Dr Balasubramani, Shri Sachin Agnihotri, Shri Gulbir Singh and Shri Rajnikant Chaturvedi conducted the competitions all through the fortnight and coordinated the Closing ceremony.



### High Density planting system/ Insect Resistance Management/ Frontline demonstration Village Monitoring

HDPS/IRM/FLD fields located at Sadivayal village of Thondamuthur block Coimbatore District, Tamil Nadu were visited by a team of Scientists namely Dr. B. Dharajothi., Principal Scientist; Dr. K. Rathinavel, Principal Scientist and Dr. S. Usharani, Senior scientist along with Dr. R. Venkatesan Senior Research fellow on September 19, 2014. Farmers interacted with the scientists and clarified their doubts regarding the sowing under HDPS and other related issues.



### Meeting of North Zone Plant Pathologist held at CICR, RS, Sirsa for Cotton Leaf Curl Virus Disease (CLCuD)



One day meeting of North Zone Plant Pathologists to discuss the issues related to the evaluation process and data recording for Evaluation of Bt cotton hybrids against Cotton Leaf Curl Virus Disease (CLCuD) was held at CICR, Regional Station, Sirsa on 22th September, 2014. Dr Aman Sharma, Assistant Plant Pathologist, RRS, PAU, Faridkot, Dr Pardeep Kumar, Asstt Professor, ARS,RAU Ganganagar, Dr. Jagdish Beniwal, Professor (Plant Pathology) CCSHAU, Hisar attended the meeting . The scientists from CICR, RS, Sirsa also participated in the discussion. The field visit was also conducted where the reaction of different hybrids on the basis of data recorded till date was confirmed by the participating pathologists. Dr S.K.Verma, In charge Technical cell, proposed the vote of thanks.

### AICCIP monitoring team visited CICR,RS,Sirsa

The monitoring team, Dr. S. Manickam, PI& Principal Scientist (Crop Improvemet), Dr. Perene (Plant Pathologist), Dr. U. B.Hole (Entomologist), Dr. A.Paslwar (Agronomist) constituted for North Cotton Growing Zone of India visited the station to monitor the protocol and status of the trials laid out under AICCIP on 24th September, 2014.

In the beginning, team members visited the large size demonstrations plot of F-2383, CICR-1 & CICR-3 on High Density Planting in Cotton. The team members also visited the demonstration plots planted with varieties and hybrids released by CICR and in pipeline. The team members visited all the trials laid out under AICCIP.



### Online ARS-NET Examination

ARS online examination NET-2014 was held at CICR, Nagpur from 22.09.2014 to 28.09.2014. Dr. Blaise Desouza, Head, Crop Production Division was the Center Supervisor and Er. G. Majumdar was the Asst. Center Supervisor.



### Free Eye Check-up Camp

The Eye Foundation, Coimbatore conducted a free eye check-up for the benefit of the employees of CICR Regional Station and their families on September 25, 2014. Staff members actively took part in the camp and get benefited.



### Students' visit to CICR, Coimbatore

On September 22, 2014 five of the first year Ph. D scholars from Department of Agricultural Extension and Rural Sociology visited CICR, Regional Station Coimbatore. Dr. (Mrs.) S. Usha Rani, Senior Scientist (Agricultural Extension), delivered a lecture on "Advances in Cotton Extension Approaches for Sustainable and Profitable Cotton Farming in India".

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