

# COTTON *Innovate*



Weekly Newsletter from Central Institute for Cotton Research, Nagpur

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## NAAS Silver Jubilee Symposium on “25 years of Research on Insect Resistance to toxins –the way forward”

One day NAAS Silver Jubilee Symposium on “25 years of Research on Insect Resistance to toxins – the way forward” was organized at Central Institute for Cotton Research, Nagpur on 27th December, 2014. The symposium was inaugurated by the Chief Guest Dr. S. N. Puri, Former Vice-Chancellor, Central Agricultural University, Imphal, Manipur. Dr. Sandhya Kranthi, Head, Crop Protection Division, welcomed the delegates and participants. Dr. K. R. Kranthi, Director, CICR, gave introductory remarks emphasizing on the specific purpose of technical gathering on Insect Resistance to toxins, especially of young speakers working in this area. Dr S. N. Puri appreciated the initiative taken by NASS to discuss upon the burning issues in such scientific forum especially Cotton- Bt Cotton- Pesticides- Resistance -Sustainable management.

Deliberations were held in two technical sessions. First session was on ‘Insecticide Resistance- over 25 years in India’ chaired by Dr. S. N. Puri and Co-Chaired by Dr. T.V.K. Singh. Speakers and topic of talks were Dr. Rishi Kumar- Insecticide resistance reports, Dr. G.M.V. Prasad Rao- Management issues in India, Dr. V. Sridhar- Mitigating resistance with new molecules and Dr. Sandhya Kranthi- Mechanisms of insecticide Resistance in insects. Second technical session was on ‘Resistance to Bt crops across the globe and India’. Speakers and topic of talks were Dr. K. S. Mohan- Bt Resistance reports including India, Dr. G. T. Behere - Mechanisms of resistance to Bt crops, Dr. K. P. Raghavendra - RNAi approaches to break resistance, Dr. P. Srinivas - Issues with resistance management options.

The house discussed various issues at length and came out with some recommendations viz., 1) Establishing National Referral laboratory for resistance management, 2) Management of refuge along with farmers’ awareness, 3) Creating baseline susceptible population for monitoring insecticide resistance and toxins, 4) Standardizing procedures for monitoring and scouting techniques, 5) Promoting new technologies like RNAi and 6) Public- private partnership in research and extension to combat resistance and effective implementable IRM strategies. Certificate of participation and mementos were distributed to all the participants. Rapporteurs were Dr. Vishlesh Nagrare, Mr. Joy Das, Mr. Rakesh kumar and Miss Suvarna Khadakkar. The symposium concluded with vote of thanks proposed by Dr. K. R. Kranthi.





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