



CTRI News

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CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY-533 105, A.P.

IRC MEETINGS - 2010

The Institute Research Committee Meetings (IRC) were held at CTRI, Rajahmundry from 21st-23rd June, 2010. Dr. K.V. Satyanarayana, the Chief Guest & Ex-Head of the Division, Crop Improvement, CTRI, Rajahmundry and Dr. V. Krishnamurthy, Chairman, IRC and Director, CTRI inaugurated the meetings by lighting the lamp. Dr. V. Krishnamurthy, Director, CTRI presented the current global and national tobacco scenario. He gave a detailed presentation of the research achievements and the challenges ahead for the tobacco scientists in the near future. Dr. K.V. Satyanarayana in his inaugural address complimented the CTRI

scientists for their very good research work carried out and developing high yielding varieties. The guests of honour, Dr.T.C. Ramana Rao, Ex-Principal Scientist (Plant Breeding), SBI, Coimbatore; Dr.V.R. Rao, Ex-Principal Scientist (Microbiology) & Head, Division of Crop Production, CRRI, Cuttack; Dr.P.V.N. Prasad, Prof. Agronomy, Agricultural College, Rajahmundry; Dr.Y.Hari Prasad, Prof. Entomology, Annamalai University, Anna-malainagar; Dr.S.V. Ramakrishna Rao, Prof. Pathology & Dean of Student Affairs, ANGRAU, Hyderabad and Dr. B. Vijayabhinandan, Prof. & Head (Agrl. Extension), Agricultural College, Bapatla chaired different technical

sessions, shared their views and gave valuable suggestions to further the cause of tobacco research. Sri M. Manmadha Rao, Regional Manager, Tobacco Board, Rajahmundry, Sri Ch. Ranga Rao, Ex-Member Tobacco Board & progressive farmer, Ongole and representatives from tobacco trade & industry participated in the meetings. The scientists of CTRI and its regional research stations presented the findings of research carried out. The technical programme for the crop season 2010-11 was thoroughly discussed and finalized. Dr. C.V. Narasimha Rao, Secretary, IRC welcomed the gathering while Dr. J.V. Prasad offered the vote of thanks.



Chief Guest inaugurating the IRC Meeting - 2010



A view of the IRC Meeting - 2010

RESEARCH HIGHLIGHTS

CTRI, Rajahmundry

- For the management of stem borer, *S. heliopa*, two sprays (one spray at 10 days before pulling the seedlings in the nursery and one spray at 10 days after transplanting (DAT)) with rynaxypyr 25 SC @ 0.0075% or flubendiamide 480 SC @ 0.012% or spinosad 45 SC @ 0.018% or sequential spray of the above insecticides twice gave good protection from the stem borer infestation in the planted FCV tobacco crop in NBS.
- In Alfisols, application of K resulted in significant increase in cured leaf yield of FCV tobacco over the control (No-K), with average yield increase being in the order of 37 and 25% at 120 and 80 kg K₂O/ha, respectively. Potash application in 4 splits (1:1:1:1 at 10, 25, 40 and 70 DAT) resulted in higher yields as compared to its addition in 3 splits (1:2:1 at 10, 25 and 40 DAT or 10, 40 and 55 DAT or 25, 40 and 70 DAT).
- The promising burley tobacco lines, YB-4 and YB-10 recorded 3,136 and 3,065 kg/ha, respectively at 90x45 cm spacing.
- The feasibility studies on organic FCV tobacco production in KLS revealed consistent reduction in the smoke constituents (Tar, CO, TPM, TSNA) of cured leaf during the fourth year of the study.
- Application of *Pochania chlamydosporia* (PDBC strain) 10⁸ spores @ 100 g/m² in solarized soil caused 60.2% increase in healthy transplants, 52.5% decrease in Root-Knot Index (RKI) and 47.7% decrease in soil nematode population compared to the check.

VI AINRPT GROUP MEETING

The VI Group Meeting of AINRPT on Tobacco was held at CTRI, Rajahmundry during 24 - 25 June, 2010. Dr. K.C.Jain, Assistant Director General (CC), ICAR, New Delhi was the Chief Guest. He inaugurated the meeting by lighting the lamp and delivered the inaugural address. Dr. V. Krishnamurthy, Director, CTRI, Rajahmundry presided over the function. The Guests of Honour Dr. R. Lakshminarayana, Former Project Co-ordinator, AICRP (Tobacco); Dr. V. Krishnamurthy, Director, CTRI; Dr. V.R. Rao, Former Head, Crop Production,

CRRI, Cuttack; Sri S. Sitaramaiah, Principal Scientist (Retd.), CTRI, Rajahmundry and Dr.G.V. Nageswara Rao, Associate Professor, Agricultural College, Rajahmundry chaired different technical sessions and shared their views. The scientists of all the AINRPT centres have presented the research work carried out during 2009-10. The technical programme for 2010-2011 was discussed and finalized. Dr. T.G.K. Murthy, Nodal Officer, AINRPT welcomed the gathering. On this occasion, Dr. K.C. Jain released the CTRI Annual Report of 2009-10.



Dr. K.C. Jain releasing the Annual Report



Participants in the AINRPT Group Meeting

TRANSFER OF TECHNOLOGY

RESEARCH PUBLICATIONS

- * Dam, S.K., S. Dutta, S.K. Laha and S. Roy (2010). Variability of *Alternaria alternata*, Incitant of brown spot disease of Motihari tobacco. **Journal of Mycology & Plant Pathology** 40(1):59-62.
- * Dam, S.K., S. Roy and S.K. Laha (2010). Biochemical parameters associated with symptom development in brown spot disease of tobacco. **Environment & Ecology** 28(2): 959-61.
- * Subhashini, D.V., S. Ramakrishnan and K. Padmaja (2009). Effect of culture filtrates of *Streptomyces* spp. on the mortality and hatching of Root-knot nematode, *Meloidogyne javanica*. **Indian Journal of Nematology** 39(2):188-91.

- * Subhashini, D.V. and K. Padmaja (2009). Exploitation of *Pseudomonas fluorescens* for the management of damping off in tobacco seedbeds. **Indian Journal of Plant Protection** 37(1&2): 147-50.

CONFERENCES/ TRAININGS/ WORKSHOPS ATTENDED

- * Dr. C. V. Narasimha Rao, Principal Scientist attended the 4th Meeting of the **iTechnical Specifications Committee for Tobacco Testing and Apex/ Research Laboratories** on 20th April 2010, held in Nirman Bhavan, MoH & FW, New Delhi.
- * Dr. Y. Subbaiah, Sr. Scientist attended the training programme on "**Creative Writing in Agriculture**" at IIMC, Dhenkanal, Orissa during May, 10-11, 2010.

- * Dr. D. Damodar Reddy, Head, Division of CC & SS and Dr. C. V. Narasimha Rao, Principal Scientist attended the training programme on iGC-MSi offered by M/s Shimadzu (Asia Pacific Pvt. Ltd., at Singapore during May 10-12, 2010.
- * Dr. P. Harishu Kumar and Dr. C.A. Raju, Principal Scientists imparted training on tobacco to the DAESI trainees at CTRI, Rajahmundry on 21.05.2010.
- * Dr. D. Damodar Reddy, Head, Division of CC & SS attended the iNASC foundation day programme at NASC complex, New Delhi during June 4-5, 2010.
- * Dr. A.V.S.R. Swamy, Head, CTRI RS, Veda sandur attended the Interface meeting with Dr. K. Kasturirangan, Member, Planning Commission at Chennai on 22nd June, 2010.
- * Dr. Kasturi Krishna, Sr. Scientist and S. Gunneswara Rao, Scientist (SG) imparted training on tobacco to the DAESI trainees at CTRI, Rajahmundry on 28th June, 2010.

VISITORS

Dr. K.C. Jain, ADG(CC), Dr. G.N. Mishra, Principal Scientist (CC), ICAR, New Delhi visited CTRI Museum on 24.06.2010.



RYTHU SADASSU

Dr. Y. Subbaiah, Sr. Scientist, CTRI, Rajahmundry participated in Rythu Sadassu at Bhimadolu, West Godavari district, organized by the State Department of Agriculture on 11.06.2010.

IBSC MEETING

IBSC Meeting of the CTRI was held on 11th May 2010 under the Chairmanship of Dr. V. Krishnamurthy, Director, CTRI and Chairman, IBSC. Dr. N. Venkata Rao, Biosafety Officer, IBSC; Dr. T. G. K. Murthy, Head, division of Crop Improvement and member of IBSC and Dr. K. Sarala, Member-Secretary, IBSC attended the meeting. Dr. P.V.V.G. Rao, Dr. D.V. Subhashini, and Dr. K. Siva Raju, Scientists of CTRI have also attended the meeting.

The committee visited the tissue culture lab, biotechnology lab, Incinerator room and transgenic screen house where transgenics and transplastomics were grown. The Committee

examined the 'Action Taken Report' of the previous IBSC meeting, the transgenic research carried out during 2009-10 season and half-yearly biosafety report. The members expressed satisfaction over the status of biosafety measures undertaken in conducting transgenic research at the institute.



IBSC Meeting in progress

CTRI ECCS GOLDEN JUBILEE CELEBRATIONS

The CTRI Employees Cooperative Society (Established on 04.09.1959) Golden Jubilee Celebrations were held in the Institute campus on 24.04.2010. Dr. V. Krishnamurthy, Director, CTRI & President, CTRI ECCS, Rajahmundry presided over the function. The celebrations began with the lighting the lamp by Smt. V. Jhansi Eswaramma, Chief Guest of the function. On this momentous occasion, Dr. N.C.Gopalachari and Dr.K.Deo Singh, Ex-Presidents of the Society

were felicitated. Sri S.V.V. Satyanarayana, Ex-Secretary and Sri I.V. Subba Rao, Ex-Treasurer of the Society were also felicitated for their dedicated service to the Society. The Chief Guest, Smt. V. Jhansi Eswaramma released the Souvenir brought out on the occasion and also distributed prizes to the winners of different events. A cultural programme was also organized. All the members of the Society have actively participated in the celebrations along with their families.



Chief Guest releasing the Golden Jubilee Souvenir of CTRI ECCS

PERSONALIA

RETIREMENTS

- Dr.M.M. Shenoi, Pr. Scientist, CTRI RS, Hunsur retired from Council's Service on 30.04.2010.
- D. Prabhakara Babu, Technical Officer T(7-8), CTRI, Rajahmundry retired from Council's Service on 30.04.2010.
- Manglu Barman, SSS, CTRI RS, Dinahata retired from Council's Service on 30.04.2010.
- Md. Abdul Nazeer, SSS, CTRI, Rajahmundry retired from Council's Service on 30.04.2010.
- Smt. Velliamma, SSS, CTRI RS, Hunsur retired from Council's Service on 30.04.2010.
- Dr. P.R.S. Reddy, Pr. Scientist, CTRI, Rajahmundry retired from Council's Service on 31.05.2010.
- V.N. Swamy, Technician T-3, CTRI, Rajahmundry retired from Council's Service on 31.05.2010.
- Kishirode Barman, SSS, CTRI RS, Dinahata retired from Council's Service on 31.05.2010.
- Boda Sambrajyam, SSS, CTRI RS, Guntur retired from Council's Service on 31.05.2010.
- Middem Ademma, SSS, CTRI RS, Guntur retired from Council's Service on 31.05.2010.
- M. Subba Rao, AAO, KVK, Kalavacharla retired from Council's Service on 30.06.2010.
- P. Neelakanteswara Rao, Assistant, CTRI, Rajahmundry retired from Council's Service on 30.06.2010.
- Dama Krishnaiah, Technician T-2, CTRI RS, Kandukur retired from Council's Service on 30.06.2010.

MEETINGS / VISITS OF DR. V. KRISHNAMURTHY, DIRECTOR, CTRI

- Attended the Assessment Committee meetings as a Member under Career Advancement Scheme(CAS) held at ASRB, KAB-1, Pusa Campus, New Delhi on 05.04.2010, 07.04.2010 and 08.04.2010.
- Attended the World Tobacco, India - 2010 Conference at Hyderabad International Convention Centre, Novotel and HICC Complex during April 21-22, 2010 and gave a presentation on "Improving the yield and quality of Indian Leaf".
- Attended the review meeting with Dr. K. Kasturirangan, Member (Science), Planning Commission, Govt. of India at NAARM, Rajendranagar, Hyderabad along with other ICAR Institutes located in Andhra Pradesh and made a presentation on "Central Tobacco Research Institute: Its Mandate, Achievements and Linkages" on 13.5.2010.
- Attended the Interface meeting between Directors Project Coordinators of the Crop Science & Horticulture Divisions held during May 17-18, 2010 at the Directorate of Weed Science Research, Jabalpur, Madhya Pradesh during May 17-19, 2010.
- Attended the meeting of the Technical Committee on iStrategy and scaling up of activities with regard to economically viable and ecologically sustainable alternative crops to tobacco and presented the two-year results of Pilot Project on iAlternative crops to Bidi and Chewing Tobacco in Different Agro-Ecological Sub-Regions held at Ministry of Health & Family Welfare, Nirman Bhavan, New Delhi on 29.06.2010.

TRAINING PROGRAMME ON CASHEW

Two- day training programme on improved technologies for higher productivity in cashew sponsored by the State Department of Horticulture was organized at CTRI, Rajahmundry by the Agricultural Extension Section from 7.06.2010 to 8.06.2010 for the benefit of cashew growers of Rajanagaram Mandal, E.G. district. About 30 farmers have participated in the programme.



Inaugural session of the training programme on Cashew