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Newsletter

CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY - 533 105

Dr. Mangala Rai takes over as Secretary, DARE and DIRECTOR GENERAL, ICAR



Dr. Mangala Rai has taken over as Secretary, DARE and Director General, Indian Council of Agricultural Research (ICAR) on 9th January 2003. He was born on 30th January 1947. He completed his Masters Degree in Genetics & Plant Breeding in 1969 and Ph.D. in 1973 from B.H.U., Varanasi. He was conferred D.Sc. Degree (Honoris Causa) in 1999 by CSAUA&T, Kanpur in recognition of his contributions in the field of Agriculture. Dr. Mangala Rai started his professional career in 1973 and held prestigious positions in Agra University, Orissa University of Agriculture and Technology and in ICAR. Dr. Mangala Rai worked as National Coordinator for AICRP on Linseed, Director (Oil Seeds Technology) of Technology Mission on Oil seeds (TMO), ADG (Seeds), ADG (Policy & Perspective Planning), National Director (NATP) and DDG (Crop Sciences) during the period 1997-2003. He is responsible for hybrid research and development programmes in India and brought all round progress in the development of hybrids in rice, rape seed, mustard, sorghum, cotton,

maize, pearl millet, castor, sunflower and pigeon pea. Dr. Rai traveled extensively to over 20 countries and represented the country at several international meetings. He worked as Consultant to FAO and IDRC, Canada and Chairman, SAARC Agricultural Information Centre and Technical Committee of SAARC on Agriculture. He was elected Chairman of Asian Maize Biotechnology Network and now he is on the Board of Trustees of CIMMYT, Mexico. Dr. Rai served as President of Indian Society of Plant Genetic Resources, Indian Society of Genetics, IARI, New Delhi and Indian Society of Seed Technology and currently he is President of the Indian Society of Oil Seeds Research. He published nearly 200 articles in National and International periodicals. With his rich experience, ICAR in particular and Indian Agriculture in general will move forward to achieve all round development. Director and all staff members of CTRI wish Dr. Mangala Rai all success in the new assignment as Secretary, DARE and **Director General, ICAR.**

RESEARCH HIGHLIGHTS

CTRI RS, DINHATA

- Garlic was found to be the best intercrop with tobacco, and gave higher return with additional 50% N applied for the inter crop.
- In Motihari tobacco 50 kg P₂O₅ /ha and 75 kg K₂O /ha gave higher cured leaf yield and first grade out turn.
- Bhagalaxmi x Chama cross registered 18 and 26% higher cured leaf and first grade leaf respectively than control Chama.
- Cigar wrapper tobacco varieties offered better quality leaf when grown under hessian cloth condition.

CTRI RS, HUNSUR

- Curzate M. 8 (a combination of Cymoxamil (8%) and Mancozeb (64%)) effectively controlled damping off, blight and black shank. The study carried out for two years revealed that Curzate M.8 @ 0.3% is equivalent to Ridomil MZ 72 WP in its efficacy.

Four advanced breeding lines viz., FCH 184, FCH 187, FCH 188 and FCH 194 proved superior to control in the replicated trial for three seasons, were selected for testing under All India Network Research Project on Tobacco during the season 2003-04.



NATIONAL SYMPOSIUM ON TOBACCO



Indian Society of Tobacco Science organized a National Symposium on Tobacco with the theme "Facing Future Challenges" at Indian Tobacco Association (ITA) Auditorium, Guntur, A.P. during 23-25 January 2003 in association with the Tobacco Board, The Indian Tobacco Association, with M/s. ITC-ILTD as lead sponsors and M/s. GPI Limited, M/s. VST Industries Limited, and M/s. GTC Industries Limited as co-sponsors. Sri Bandaru Dattatreya, Hon'ble Minister of State for Railways, Govt. of India presided over the function and released the Souvenir. Sri R.E. Harrison, Chairman, Standard Commercial Corporation, USA delivered the keynote address. Several Hon'ble Ministers, MPs from Lok Sabha and Rajya Sabha and officials participated in the inaugural function. Dr. K. Deo Singh, Director, CTRI and President, ISTS introduced the theme and Sri S. Janardhan Reddy, Chief Executive, ITC Ltd - ILTD and Co-President of ISTS welcomed the delegates.

Scientists from CTRI and its research stations made 82 poster presentations on various research topics. Dr. K. Deo Singh, Late Sri K. Appa Rao, Dr. S.R. Prabhu, Shri A.I. Narayanan, Dr. P. Harishu Kumar, Dr. P. Dayachari, Sri S.

Janardan Reddy and Dr. B.K. Patel were conferred FISTS during the symposium. Dr. S.V. Krishna Reddy, Dr. (Mrs.) S. Kasturi Krishna, Dr. J.A.V. Prasada Rao, Dr. P. Harishu Kumar, Dr. K. Deo Singh, Dr. P.R.S. Reddy and Sri G. Adinarayana received ISTS award for outstanding contribution in tobacco research for their research work on "Production practices for improving yield and quality of flue-cured tobacco cv. K-326 (NLS-4) grown under irrigated conditions in northern light soils (Alfisols) of Andhra Pradesh." Dr. K. Deo Singh, Dr.

C.V. Narasimha Rao, Dr. S.R. Prabhu and Sri R. Subba Rao received ITA Award for outstanding contribution for their paper on "Factors influencing TSNAs in Indian tobacco". Following publications and CDs, (i) FCV tobacco soils of India - Their fertility and management; (ii) Tobacco statistics (iii) CD on Tobacco Pest Management (iv) CTRI RS Hunsur: Farm recommendations at a glance and (v) Energy saving techniques in FCV tobacco and (vi) ISTS Tobacco Science Reporter were released on the occasion.



Dr. K. Deo Singh delivering a lecture

TRANSFER OF TECHNOLOGY

CTRI, RAJAHMUNDRY

□ Dr. C.A. Raju, Dr. U. Sridhar and Sri M. Sannibabu imparted training to 35 farmers on 'Topping, harvesting, curing and pest and disease management' in the programme organized by Auction Superintendent, Tobacco Board at Thorredu on 3.1.03.

□ Sri S.K. Naidu and Dr. Y. Subbaiah imparted training to 28 farmers on curing and grading at Mirthipadu village in the programme organized by Auction Superintendent, Tobacco Board, Thorredu on 20.2.2003.

□ Dr. Y. Subbaiah imparted training to 22 farmers at AMC, Kondaguntur, E.G. Dt. in the programme organized by ADA, Rajahmundry on 28.3.03.

Exhibition

□ An exhibition on "All Tobacco Types" was arranged during the National Symposium on Tobacco from 23rd to 25th January 2003 at ITA Conference Hall, Guntur.

CTRI RS, HUNSUR

□ A training programme on 'Nursery Management in KLS' was conducted for (i) 100 farmers from Tobacco Auction Platform No.3 (Hunsur) on 12.3.2003. (ii) 80 farmers from Tobacco Auction Platform No.6 (Periyapatna) on 24-3-2003 and (iii) 130 farmers from Tobacco Auction Platform No.4 (Periyapatna) on 26.3.2003.

CTRI RS, VEDASANDUR

□ "National Science Day" was celebrated from 23.2.03 to 28.2.03. Students and teachers from schools/ colleges have visited the station and were explained about tobacco varieties/ agro-techniques that are adopted for tobacco production.



CONFERENCES/ TRAININGS/WORKSHOPS

□ Dr. K. Deo Singh, Director, CTRI and Dr. (Mrs.) D.V. Subhashini attended 90th Indian Science Congress, at Bangalore during 3 - 7th January 2003.

□ All the scientists and technical officers of the main Institute and Research Stations of CTRI attended National Symposium on Tobacco 'Facing future challenges' organized by ISTS at Guntur during 23 - 25th January 2003.

□ Sri. R. Sreenivasulu, Pr. Scientist attended AICRP workshop on Dryland Agriculture at UAS, Bangalore during 2 - 5th February 2003.

□ Dr. V. Krishna Murthy, Pr. Scientist attended National Seminar on 'Soil survey for land use planning: Challenges for the 21st Century' at Nagpur, from 7 - 8th February 2003.

□ Sri R. Sudhakar, Technical Officer attended 'National Seminar on Responding changes to challenges - New roles of Agricultural Extension' organized by Maharashtra State Extension Centre at Nagpur from 7-2-03 to 9-2-03 and presented a paper on 'Participatory extension

approaches for need based user friendly inventions - Case study experiences' by Dr. B.S. Hansra, Dr. V. V. Subramanian, R. Sudhakar and K. Deo Singh. The paper won the second prize for 'Best use of audio visual aids competition.'

□ Dr. R.V.S. Rao, Principal Scientist participated in training on 'Plant Bio-diversity under NATP programme at NBPGR, New Delhi from 13.2.03 to 5.3.03.

□ Sri S. Jitendranath, Technical Officer, attended a review meeting of centres under Front Line Demonstration on 'Improved Agricultural Machinery for Major Oilseeds and Pulses' during February 27 - 28, 2003 at CIAE, Bhopal.

□ Dr. M. Mahadevaswamy, Sr. Scientist has undergone training on 'Sustainable ecosystem maintenance through farming system approaches' at Department of Agronomy, TNAU, Coimbatore, from 27.2.03 to 19.3.03.

□ Sri R. Sreenivasulu, Pr. Scientist attended International Conference on 'Medicinal and aromatic plants' at Hyderabad during 15 - 17th March 2003.

PAPERS PUBLISHED

- Singh, K. Deo, J.A.V. Prasad Rao and A.K. Pandey. Effect of continuous application of NPK fertilizer on chewing tobacco and soil fertility status in sandy loam calcareous soils of Bihar. *Tob. Res.* 28(2): 119-28, 2002.
- Harishu Kumar, P. and D. Ranga Rao. Productivity and economics of rabi intercropping system in vertisols of Andhra Pradesh. *Tob. Res.* 28(2) : 103 – 8, 2002.
- Krishnamurthy, V. and I.J. Chandra. Changes in soil fertility during two decades of fcv tobacco cultivation in northern light soils. *Tob. Res.* 28(2) : 114 – 8, 2002.
- Kumaresan, M., C.V. Raghavaiah and R. Athinarayanan. Influence of night soil compost and weed management practices on seedling production of chewing tobacco in Tamil Nadu. *Tob. Res.* 28(2): 97-102, 2002.
- Nageswara Rao, K., K. Siva Raju and D. Prabhakara Babu. Effect of temperature and gibberellic acid on seed germination in burley tobacco. *Tob. Res.* 28(2) : 83 – 9, 2002.
- Prasannasimha Rao, G.S.B., K. Nagarajan and C.V.K. Reddy. Evaluation of FCV tobacco lines resistant to blackshank and tobacco mosaic virus for yield. *Tob. Res.* 28(2) : 146 – 8, 2002.
- Prasannasimha Rao, G.S.B., K. Nagarajan and C.V.K. Reddy. Performance of tobacco mosaic virus resistant lines of Gauthami variety. *Tob. Res.* 28(2) : 149 – 51, 2002.
- Ravishankar, H., J.A.V. Prasad Rao, T.G.K. Murthy, C. Chandrasekhara Rao, U. Sreedhar and S. Kasturi Krishna. Research project information system on tobacco. *Tob. Res.* 28(2):139-41, 2002.
- Shenoi, M.M., S.S. Sreenivas, K. Karunakaramurthy and S.M. Abdul Wajid. A new rating scale for assessment of brown spot disease in tobacco. *Tob. Res.* 28(2): 142-5, 2002.
- Sumankalyani, K. Impact of classroom-learning environment on the intelligence of Ashram School children (Tribal). *Indian Psychological Review* 58: 3 – 2002.
- Venkateswarlu, P., S. Sitaramaiah, R.V.S. Rao, S. Gunneswara Rao and Suresh Kumar Sawant. Screening of FCV tobacco lines against tobacco caterpillar, *Spodoptera litura* F. *Tob. Res.*28(2) : 109 – 13, 2002.
- Y.V. Suryanarayana. Tobacco Research Publications : Global scenario. SRELS J. Information Management 39(2): 183-94, 2002.
4. Division of Crop Improvement, CTRI – Rajahmundry. March 2003 – 16p.
5. Tobacco nucleus and breeder seed production manual by K. Deo Singh, T.G.K. Murthy, K. Sarala, A.I. Narayanan and J.A.V. Prasad Rao Sept. 2002. 15 p.
6. Production Technology for Motihari, Jati and Cigar wrapper tobacco in North Bengal. CTRI RS, Dinhata, 2003. p.34.
7. FCV tobacco soils of India – Their fertility and management by V. Krishna Murthy and K. Deo Singh. Jan, 2003. 162 p.
8. Tobacco Statistics (CD ROM) by Y.V. Suryanarayana and K. Deo Singh. Jan, 2003.
9. Tobacco Pest Management (CD ROM) by H.Ravishankar and U. Sreedhar. Jan. 2003.
10. Hand Book on Veterinary and Animal Husbandry practices for field veterinarians, by B. John Babu, P.V.V.S. Sivarao, V.Venkatasubramanian, and K. Deo Singh.

**BOOKS/ BULLETINS/
HANDOUTS/ CDS PUBLISHED**

1. CTRI Research Station, Hunsur : Farm Recommendations – At a glance, Edited by M.M. Shenoi, K.N. Subrahmanya, K. Giridhar and M. Mahadevaswamy, 2003.
2. Energy saving techniques in flue-curing of tobacco, Edited by M.M. Shenoi, K. Giridhar, K.N. Subrahmanya and M. Mahadevaswamy, 2003.
3. Nursery management practices in FCV tobacco in KLS, 2003.

RADIO TALKS

1. సురక్షిత నీరు ఆవశ్యకత. (Need for safe drinking water) by Smt. V.V. Lakshmi Kumari on AIR, Visakhapatnam, 26. 1.2003.
2. ఆహార పదార్థాల నిల్వలలో సౌరశక్తి వినియోగం. (Usage of solar devices in food preservation) by Smt. N. Aruna Kumari, on AIR.
3. లేగదూడల పెంపకంలో మెళుకువలు. (Calf rearing) by Dr. D. John Babu on AIR, Visakhapatnam.
4. మామిడి తెనెమంచు పురుగు సమగ్ర నివారణ. (Integrated management of aphids in mango). By Sri E. Vijaya Prasad, on AIR, Visakhapatnam on 5.1.2003.

GOLDEN JUBILEE CELEBRATIONS OF CTRI RS, DINHATA

CTRI Research Station, Dinhata celebrated its Golden Jubilee on 10th February 2003 in commemoration of the completion of 50 years (1952 - 2002). Sri Kamal Kanti Guha, Hon'ble Minister for Agriculture, Govt. of West Bengal was the Chief Guest. Dr. K. Deo Singh, Director, CTRI, presided over the function. Dr. S. K. Bishmachari, Vice-Chancellor, North Bengal Agricultural University was the Guest of Honour. Dr. D. Konar, Additional Director of Agriculture, North Bengal Region, Jelpaiguri was the special invitee for the function. Several tobacco growers, traders, officials from different central and state Govt. Departments, representatives and officials from different fertilizers and pesticide companies and

scientists from CTRI and its Research Stations attended the function. A bulletin entitled 'Production technology for Motihari, Jati and Wrapper tobacco in West Bengal' was released by the Hon'ble Minister.

Tobacco farmers and retired officials of this station were felicitated on this occasion. A tobacco, vegetables and flower show was arranged and it was inaugurated by the Guest of Honour, Dr. S.K. Bishmachari.



Dr. K. Deo Singh with visitors from U.K. and USA



RAC Meeting

INTER INSTITUTIONAL TRANSFER PROMOTIONS

Dr. K. C. Chenchaiyah, Scientist (Sr. Scale), CPCRI (RC), Mohitnagar joined at CTRI Research Station, Kandukur on 22.3.2003.

Sri B. Rama Rao, SS Gr. III was promoted to LDC and posted at KVK, Kalavacherla w.e.f. 24. 1.2003.

APPOINTMENTS

Sri G.R. Desh Bandhu, Under Secretary, ICAR, New Delhi was appointed as Sr. Administrative Officer, CTRI., Rajahmundry on 28.3.2003.

RETIREMENTS

1. Sri B. Debnath, SS Gr. I, CTRI Research Station, Dinhata retired from council service on 31. 1.2003.

2. Sri Ramanath Das, SS. Gr. IV, CTRI RS, Dinhata retired from council service on 28.2.2003.
3. Sri K. Ramu, Techn. T-3(Driver), CTRI., Rajahmundry. retired from council service on 28.2.2003.
4. Sri B. Pandey, SS. Gr.II, CTRI RS, Dinhata retired from council service on 31.3.2003
5. Sri B. Appa Rao SS Gr. IV CTRI, Rajahmundry retired from council service on 31.3.2003.

KRISHI VIGYAN KENDRA

International Women's Day

International Women's Day was celebrated at KVK, Kalavacherla, East Godavari Dt., from 7.3.03 to 8.3.03. Nearly 100 women from different villages and 30 ANTWA Trainees from Cuddapah participated in the event. Issues like Socio economic problems of the women, Women's role in the Society, Economic independence, Self employment of the women were discussed in the programme.

Important Events

□ A memorandum of understanding (MOU) was signed between CTRI and A.P. State Agro Industries Development Corporation Limited for the transfer of technology of Banana Fibre Extractor machine on 31.1.03.

□ KVK organized Farmers Awareness training programme on Rural Godowns on 15.2.2003 at Kalavacherla in collaboration with National Institute of Agricultural Marketing, Jaipur. Nearly forty farmers participated in the programme.

□ Banana Fibre Extractor demonstrations were conducted at Guntur from 23. 1.03 to 25. 1.03 and at Eluru from 3.3.2003 to 12.3.2003.

□ During the period under report a total of 28 training programmes were conducted in agriculture and allied aspects. Nearly 1371

farmers, farm women, rural youth and extension functionaries were benefited.

□ Dr. K. Suman Kalyani gave a

lecture on "Mushroom cultivation" organized by rural youth in collaboration with FTC at Farmers Training Center, Samalkot on 19.3.03.



Anganwadi Teachers training programme



Exchange of MOU of Banana Fibre Extractor

Edited and Compiled by Y.V. Suryanarayana and Dr. C.V. Narasimha Rao,

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