

Newsletter

CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY-533 10

Dr. T. Venkateswarlu assumed charge as Acting Director, CTRI



Dr. T. Venkateswarlu, Principal Scientist & Head of the Division of Crop Improvement, CTRI assumed the charge as Acting Director on 1.1.2001. He joined at Central Tobacco Research Institute, Rajahmundry in 1982 and since then he is working in Tissue Culture, and Biotechnology laboratory of the Division of Crop Improvement. He worked as Post Doctoral fellow at "Plant Genetic Manipulation Group", University of Nottingham, United Kingdom. He received Dr. G.S. Murthy award in 1986 and in 1998 for his best research contributions in Genetics and Plant breeding of FCV tobacco.

INTER-INSTITUTIONAL TRANSFER



Sri P. Balabrahmaiah has assumed charge as Finance & Account Officer at CTRI, Rajahmundry on transfer from CRRI, Cuttack.

INTERNATIONAL WOMEN'S DAY

International Women's Day was celebrated by the Women Cell, CTRI on 8th March, 2001. In her address, the Chief Guest, Smt. Ch. Vijaya Kumari, Principal, AMD College of Education, Rajahmundry stressed that women empowerment is possible only through educative and equal treatment of the girl child. She reminded the audience of several sacrifices and contributions made by women in women's liberation movement and women's franchise in various countries. She detailed various women welfare measures taken by the Government for upliftment of women. Dr. T. Venkateswarlu, Acting Director, CTRI, Dr. T.G.K. Murthy, Chairman, Women Cell, CTRI and Dr. P. Harishu Kumar, Head, Crop Production addressed the gathering.

On the occasion Smt. P.V.S. Bharathi, Smt. V. Bhagyalakshmi, Smt. B. Swarna Kumari, the prize winners at the ICAR National Sportsmeet of all zones conducted at Mumbai were felicitated. The meeting ended with the vote of thanks by Smt. N. Aruna Kumari, Secretary, Women Cell, CTRI.



Dr. T.G.K. Murthy,
Dr. T. Venkateswarlu,
Smt. Ch. Vijaya Kumari and
Smt. N. Aruna Kumari

RESEARCH HIGHLIGHTS

CTRI, Rajahmundry

New interspecific hybrids of crosses *N. gossei* x *N. africana* and (*N. benthaminana* - *Repanda*) x *N. gossei* were produced. Colchicine induced autotetraploids were produced in flue-cured tobacco cultivars, line 1099/2/4 and CM-12. Forty exotic germplasm lines were assessed against tobacco aphid infestation at Rajahmundry, Guntur and Kandukur (Andhra Pradesh) farms of CTRI. Ten lines, T1-995, 998, 767, 601, 1068, 1494, 764, 1094, 1623 and 1462 were identified as resistant. F1 material of crosses involving four identified aphid / budworm resistant germplasm and three cultivars viz. VT-1158, 1099/2/4 and CM-12 were grown in a line x tester design for evaluation of resistance and finding out genetics of insect resistance. Out of 66 exotic new germplasm material evaluated, 14 lines, I-514, TRC-96, PYKY-171, MD-10, MD-40, MD-201, MD-872 and burley S-63, CTC-8, CTC-9, Va-405, Va-510, T1-752 and T1-1462 were identified as resistant to aphid.

CTRI Research Station, Hunsur

Final year's result of the trial on improved agronomic package for the newly identified FCV tobacco varieties K-326 and Rathna indicated the necessity to go for 60 kg N/ha and topping at bud stage to achieve full potential of the varieties. Cured leaf yield of 2451 kg/ha was recorded by topping at bud stage which was significantly superior over no topping and topping at extended bud stage as well. Among the two varieties, K-326 was significantly superior over Rathna for all yield parameters.

TRANSFER OF TECHNOLOGY

EXHIBITION

An exhibition stall of the CTRI Research Station, Hunsur depicting the recommendations emerged out of research efforts and other R&D activities of the station was set up at Periapatna (Karnataka) during 24th to 30th December, 2000 during the birthday celebrations of Sri Shivarathriswara Swamiji.



Sri T.B. Jayachandra, Hon'ble Minister for Agric., Sri M. Mahadeva, Hon'ble Minister for Silk Textiles, Dr.M.M. Shenoi, Head, C.T.R.I, R.S Sri H.C. Basavaraju, Hon'ble MLA, Smt. Rani Sathish, Hon'ble Minister for Kannada & Culture

CONFERENCES/TRAININGS/WORKSHOPS

- Dr. U. Sreedhar, Scientist (Sr. Scale) participated in the V National conference at AZRA at Madras Christian College, Chennai during 27-29th December, 2000 and presented two papers.
- Smt. V.V. Lakshmi Kumari, Training Organiser and Smt. N. Aruna Kumari, Tech. Officer of KVK attended a training course on "Women in Agriculture" at ANGRAU, Hyderabad from 8-1-2001 to 21-1-2001.
- Sri M. Sannibabu, Sr. Scientist and Dr. V. Venkatasubramanian, Sr. Scientist attended 20th National workshop on "Planning & Management of Agric. Extension training for 2000-2001" from 15-17th January, 2001 at New Delhi.
- Dr. M.M. Shenoi, Sr. Scientist & Head and Dr. S.M. Viswanath, Sr. Scientist from CTRI RS, Hunsur, Dr. C.A. Raju, Sr. Scientist from CTRI, Rajahmundry attended the Indian Phytopathological Society Symposium on "Eco-friendly approaches in plant disease management" held at Chennai from 22nd to 24th January, 2001. Dr. Shenoi presented an invited paper on "Soil solarization as a component of eco-friendly integrated schedule for the management of soil borne diseases in FCV tobacco nurseries".
- Dr. V. Venkatasubramanian, Sr. Scientist, Dr. B. John Babu and Dr. P.V.V.S. Siva Rao, Technical Officers of KVK attended one day workshop on "Landless livestock farming: Problems and Prospects" at Rajiv Gandhi College of Veterinary & Animal Sciences, Pondichery on 29th January, 2001.
- Dr. C.A. Raju, Sr. Scientist and Dr. U. Sreedhar, Scientist (Sr. Scale) participated in Biopesticide conference on "Biopesticides : Emerging trends (BET-2001)" at Chandigarh during Feb., 7-9, 2001. Dr. U. Sreedhar presented a paper on "Management of *Spodoptera litura* on chillies with NPV in coastal Andhra Pradesh". Dr. C.A. Raju presented a paper on "Prospects of biocontrol of damping off disease in tobacco nurseries with *Trichoderma* spp."
- Sri E. Vijaya Prasad, Tech. Officer, KVK attended "Water Users Association training programme" at Kothapet, from 13-2-2001 to 15-2-2001.
- Smt. V.V. Lakshmi Kumari, Training Organizer, Dr. B. Narsimha Rao, Tech. Officer, KVK attended an expert meeting on "Innovative idea on Plenyojelly" at Kakinada on 23-2-2001.
- Dr. U. Sreedhar, Scientist (Sr. Scale) and Dr. S. Roy, Sr. Scientist participated in the National conference on "Plant protection horizons in the millennium" held at Udaipur during Feb. 23-25, 2001 and presented papers viz., (1) Economic injury level of tobacco bud worm, *Helicoverpa armigera* Hb. on flue-cured Virginia tobacco. (2) Developmental behaviour of *Chilo partellus* Swinhae on improved semi synthetic diets.
- Dr. S.V. Krishna Reddy, Scientist (Sr. Scale) attended International conference on "Nature farming and ecological balance" at CCS Haryana Agricultural University, Hissar during March 7-10, 2001.
- Sri Y. V. Suryanarayana, Documentation Officer attended workshop on "Digital libraries : Managing convergence, continuity and change" held at University of Mysore, Mysore from 12th-16th March, 2001 jointly organized by US Educational Foundation in India, DRTC and Dept. of Studies in Library and Information Science, University of Mysore.
- Smt. N. Aruna Kumari, Technical Officer, KVK attended a conference on "Biotechnology based programmes for women" at SPICAM, Kakinada on 30-3-2001.

RADIOTALKS

- అధిక ఆదాయానికి కొబ్బరి తాడు తయారీలో మెళుకువలు by Sri R. Sudhakar on AIR, Visakhapatnam on 17-1-2001.
- పోషకలోహ్యాధులు - నివారణ by Smt. V.V. Lakshmi Kumari on AIR, Visakhapatnam on 7-3-2001.
- పప్పుధాన్యాల సాగులో సమగ్ర పస్యరక్షణ by Dr. U. Sreedhar on AIR, Visakhapatnam on 15-3-2001.
- తేలికనేలల్లో నాలు పొగాకుకు మేల్చేస యాజమాన్య పద్ధతులు by Dr. S.V. Krishna Reddy on AIR, Visakhapatnam on 29-3-2001.

PAPERS PUBLISHED

JITENDRANATH, S., V.V. LAKSHMI KUMARI and B. NARSIMHA RAO. రైతులకు మేలుచేసే నూనె గింజలు. Eenadu Rythe Raju 14-2-01.

KRISHNAMURTHY, V., B.V. RAMA KRISHNAYYA and N.S. MURTHY. Distribution pattern of nitrogen in different segments of healthy and K-deficient flue-cured tobacco leaf. Tob. Res. 26(1) : 51-55, 2000.

MURTHY, T.G.K. and U. SUBHASHINI. Studies on some interspecific hybrids of *Nicotiana africana* Merxm. Tob. Res. 26(1) : 12-15, 2000.

NARSIMHA RAO, B., R. SUDHAKAR, V.V. LAKSHMI KUMARI and SARADA DEVI. పూజ రంగుల తయారీలో గుంట గలిజేరు ఆకు. Eenadu (All Districts) 4-2-01.

NARASIMHA RAO, C.V., S.R. PRABHU, K. SIVA RAJU and D.G. KUMAR. Influence of plant growth on the distribution of solanesol in tobacco green leaf. Tob. Res. 26(1) : 47-50, 2000.

PRASANNASIMHA RAO, G.S.B. and K. NAGARAJAN. Breeding for combined resistance in FCV tobacco for black shank and tobacco mosaic virus. Tob. Res. 26(1) : 25-30, 2000.

RAVI SANKAR, H. and C.R. NAGESWARA RAO. Meteorological database management system. Tob. Res. 26(1) : 8-11, 2000.

REDDY, P.R.S., C.CHANDRA SEKHARA RAO, V. KRISHNA MURTHY, B.V. RAMAKRISHNAYYA, K.S.N. MURTHY, P. HARISHU KUMAR, M. UMAMAHESWARA RAO and N.S. MURTHY. Effect of omission of phosphorus and potassium in

fertiliser schedule for flue-cured tobacco in vertisols of Andhra Pradesh. Tob. Res. 26(1) : 31-41, 2000.

SUDHAKAR, R., I. SREENIVAS and K. NAGARAJAN. Palm Fibre Separator - New model. In *Directory of rural technologies of NIRD*.

SUDHAKAR, R., K. NAGARAJAN, V.V. LAKSHMI KUMARI and N. RAMACHANDRAM. స్వయం ఉపాధిగా కొబ్బరి పీచు. Annadata, March, 2001. pp.

SURYANARAYANA, Y.V. Bibliometric analysis of contributions of journal "Tobacco Research". Ann. Lib. Sci. Doc. 47(3):81-100, 2000.

TRIPATHI S.N., K.D. SINGH and A.K. PANDEY. Effect of irrigation, nitrogen and time of application on yield and quality of chewing tobacco of north Bihar. Tob. Res. 26(1) : 1-7, 2000.

OTHER ITEMS

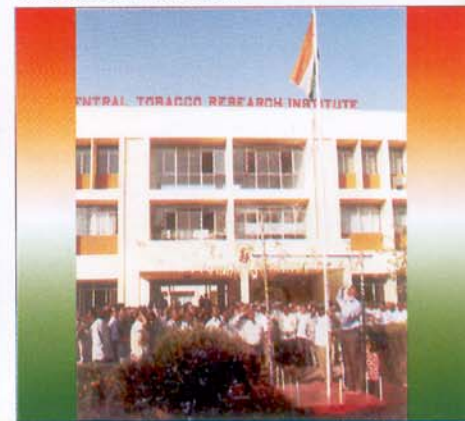
TECHNICAL OFFICERS TRAINING

An introductory training course on "Research Methodology and Techniques" was conducted by the RMC Unit, ARIS Cell and Documentation unit of this Institute during 19-28th Feb., 2001 at CTRI, Rajahmundry. The course content covered both basic and applied aspects of the scientific research such as formulation of research hypothesis, approaches to research, sources of research problem, methods of observation, research project management techniques such as PERT, CPM and ASBC. The other aspects of the course were scientific information source and retrieval system, scientific reporting and communication. The course was attended by 13 Technical Officers from CTRI, Sri N.S. Murthy, Sri H. Ravi Shankar and Sri Y.V. Suryanarayana were associated with the Course Coordinator Dr. V. Venkatasubramanian. A manual on the course was prepared and supplied to the participants.



Republic Day Celebration at CTRI

Fifty second Republic Day was celebrated in grand way under the supervision of Sri S. Veeraswamy, SAO in the Institute premises. Dr. T. Venkateswarlu, Acting Director garlanded the photos of national leaders viz. Mahatma Gandhi, Jawaharlal Nehru, Netaji Subhashchandra Bose. Dr. Venkateswarlu hoisted the National flag and addressed the gathering. He highlighted the achievements of CTRI during the year. Tobacco Institute Club, CTRI organised a cultural programme in this connection.



VISITORS

Dr. P. Dayachari, IAS, Chairman, Tobacco Board and Sri K.J.B.V. Subrahmanyam, Executive Director, Tobacco Board visited CTRI, Rajahmundry on 8-3-2001. A meeting with the Director, Heads of Divisions/ Sections and all the scientists was convened to understand the scientific and technological improvements of CTRI and to focus on the alternative uses of tobacco and their commercial exploitation.



Dr. B. Krishnamurthy,
Dr. T. Venkateswarlu,
Dr. P. Dayachari,
Sri K.J.B.V. Subrahmanyam

13-2-2001 Mr. Patricia Imas from Deadsea Works Ltd., Israel.

INTER-INSTITUTIONAL TRANSFER

Smt. K. Padmaja, Techn. T-3 from Regional Coffee Research Station, Visakhapatnam to CTRI, Rajahmundry

RETIREMENTS

Dr. R. Lakshminarayana, Pr. Scientist w.e.f. 28.2.2001

Dr. C.V.S.S.V. Gopalakrishna, Sr. Scientist w.e.f. 28.2.2001

Dr. M. Viswanath, Sr. Scientist w.e.f. 28.2.2001

Sri B. Nageswara Rao, T9 w.e.f. 31.3.2001

Sri S.S. Gossaini, T1 w.e.f. 31.3.2001.

OBITUARY

Sri P. Periasamy, SS Gr.IV, CTRI Research Station, Vedasandur expired on 2.1.2001.

KRISHI VIGYAN KENDRA

A total of 26 on/off campus training programmes were conducted in agricultural and allied aspects to the trainees sponsored by VDO Training Centre, Samalkot; IARC, Mandapeta; Anganwadi Training Centre, Sitanagaram. A total number of 386 farmers, farm women, rural youth and extension functionaries were participated in the programmes.

TOBACCO GLOBAL SCENARIO

Production

Seventy five per cent of world tobacco production is coming from China, USA, India, Brazil, Indonesia and Turkey.

	Year 2000	Year 2001
China	2,161,697	2,199,532
India	599,400	530,000
Brazil	493,100	493,100
USA	408,200	405,000
Zimbabwe	208,988	172,111
Turkey	178,742	132,305
Indonesia	157,353	157,353
World total	5,905,470	5,226,721

(Metric tonnes)

It is forecast that tobacco production will fall by 12% in 2001 due to efforts in different countries to reduce stocks and lower cigarette use in selected markets.

China producing one third of total tobacco produced in the world, is making efforts to reduce stocks by curtailing production and improving leaf quality.

In USA, FCV and Burley tobacco production is expected to stabilise after a two year decline.

In India, FCV tobacco production is expected to drop by 70% in 2001 and reach 56,000 metric tons and this will help in reduction of stock.

संक्षिप्त समाचार

□ तारीख 1-1-2001 को डा.टी.वेंकटेश्वर्लु, प्रधान वैज्ञानिक एवं प्रभागध्यक्ष, सस्य सुधार प्रभाग ने सी.टी.आर.आई. के कार्यकारी निदेशक का पद भार ग्रहण किया। उन्होंने केन्द्रीय तम्बाकु अनुसंधान संस्थान, राजमंद्री में सन् 1982 में कार्य ग्रहण किया और उस समय से उन्होंने सस्य सुधार प्रभाग के ऊतक संवर्धन और बयोतकोनोलोजी प्रयोगशाला में कार्यरत हैं। उन्होंने नाटिंगहाम विश्वविद्यालय, यू.के. में प्लांट जेनेटिक मेनिप्युलेशन ग्रुप में पोस्ट डाक्टोरल फेलो थे।

□ तारीख 8 मार्च 2001 को सी.टी.आर.आई. के महिला कक्ष द्वारा अंतर्राष्ट्रीय महिला दिवस आयोजित किया गया। मुख्य अतिथि श्रीमती सी.एच. विजय कुमारी, प्रचार्य, ए.एम.डी. महाविद्यालय, राजमंद्री ने अपने भाषण में जोर दिया कि स्त्री शिशु के समान आदरण और शिक्षा द्वारा ही महिला अधिकार संभव है।

□ सी.टी.आर.आई. राजमंद्री के 19 फरवरी से 28 फरवरी 2001 तक आर.एम.सी. यूनिट, एरिस सेल और प्रलेखन एकक द्वारा रीसेर्च

मेथोडोलोजी और तकनीकी विषय पर एक परिचयात्मक प्रशिक्षण कार्यक्रम आयोजित किया गया।

□ इस संस्थान में श्री एस.वीरास्वामी, वरिष्ठ प्रशासन अधिकारी के पर्यवेक्षण में बावनवे गणतंत्र दिवस समारोह बहुत वैभव से मनाया गया। डा. टी.वेंकटेश्वर्लु, कार्यकारी निदेशक ने महान राष्ट्रीय नेताओं के चित्रपटों को पुष्प मालाओं से अलंकृत किया। तदुपरांत उन्होंने राष्ट्रीय झण्डा पहराया।

Edited & Compiled by Y.V. Suryanarayana and C.V. Narasimha Rao

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