



समाचार Newsletter

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Central Tobacco Research Institute

DR. M.S. CHARI RELINQUISHED CHARGE AS DIRECTOR, CTRI



Dr. M.S. Chari has successfully completed his tenure as Director, CTRI from 1986 to 1996 and was transferred as Officer-on-Special Duty to NAARM, Hyderabad and relieved on 27.4.96. Dr. Chari is an eminent Scientist, persuasive speaker and able administrator. During his tenure the infrastructural facilities at Rajahmundry and Regional Research Stations were developed. Research priorities were reoriented to increase the yield potential and improve the quality of tobacco. Number of high yielding varieties in FCV, Natu, Chewing and Burley tobacco types were released during his tenure.

A Revolving Fund Scheme was initiated for the production and supply of pure seed and seedlings of tobacco varieties to the growers.

Fourteen ad-hoc schemes were sanctioned by ICAR and Dept. of Bio-technology in various fields of tobacco research.

DR. K. NAGARAJAN ASSUMED CHARGE AS ACTING DIRECTOR, CTRI



Dr. K. Nagarajan, Principal Scientist & Head of the Division of Crop Protection, CTRI has taken over the charge as Acting Director on 27.4.96. He is the senior most Principal Scientist at CTRI. He has published a number of scientific and popular articles and bulletins on Tobacco plant protection. He was deputed to United Kingdom under British Council's TCT Programme for nine months training at Rothamstead Experimental Station, Harpenden on latest methods in plant virus identification with particular reference to ELISA and Electron Microscopy in 1986. He was elected as Fellow of Indian Society of Tobacco Science and Fellow of Indian Phytopathological Society. He is one of the associates responsible for release of (1) Tobacco mosaic resistant varieties viz. CTRI Special (MR), Jayasri (MR), Godavari Special, V.T.1158 and Banket A1, and (2) Tobacco black shank resistant varieties viz. CM-12(KA), BSRB-II (Burley). A sound IPM system for the control of nursery diseases and Orobanche has been developed by him and his associates.

RESEARCH HIGHLIGHTS

AT CTRI RES. STATION, VEDASANDUR

In the bulk trial conducted for coastal belt at Sivapuri area in South Arcot district with selection HV.92-1 to HV.92-4 along with control variety VR-2, Bhagyalakshmi and I-64, selections HV.92-1 and 92-4 recorded 17% cured leaf yield increase over VR-2.

In the replicated yield trial conducted for breeding TMV resistant selections in cigar filler tobacco selections HV.94-9 to HV.94-13 of KV-1 x TMVRR-3 base recorded yield increase ranging from 5.0 to 18.5% and 6.0 to 19.0% of whole leaf and total leaf, respectively over KV.1. Selections HV.94-16 to HV.94-18 of Krishna x TMVRR-3 registered 4 to 14 and 10 to 13.5% increase of whole leaf and total leaf yield over Krishna, the susceptible recurrent parent.

AT CTRI RES. STATION, GUNTUR

FCV selection II-1624 produced 2691 kg/ha cured leaf and 2116 kg/ha grade index with an increase of 26.4 and 12.8%, respectively over Gauthami.

Among the natu selections having the background of peddavithanam and line 9-14, II-1763 produced maximum cured leaf yield of 2398 kg/ha with an improvement of 73% over the best parent.

In bulk trial of natu tobacco II-1327 produced 2102 kg/ha of cured leaf with an increase of 11.6% over natu special.

HDBRG selection HDBRG (LP-2) produced 1767 kg/ha of cured leaf with an increase of 57% over HDBRG (ITC) in the bulk trial.

TRANSFER OF TECHNOLOGY

CTRI, RAJAHMUNDRY

Training Programme

□ An orientation training programme was conducted to the KVK staff of zone V on KVK activities during 8-9 April, 1996. In this connection Dr. M.S. Chari released two booklets in Telugu viz. (1) "Trichogramma Chrysopa - Utpathi vidhanamulu" prepared by S. Gunneswara Rao and P. Madhavi and (2) "Ladde purugu - Sanaga Patcha Purugu virus utpathi vidhanamulu" prepared by S. Gunneswara Rao and S.A. Naidu under Mission Mode Project of DBT.

□ A training programme on production of "Bio-Agents" was conducted to Assistant Agricultural Officers and Village extension Officers of East Godavari District from 10-11 June, 1996 under Mission Mode Project of DBT. Dr. K. Nagarajan, Acting Director presented participation certificates to the trainees.

EXHIBITION

An exhibition of cured leaf samples of different improved

tobacco varieties developed at CTRI Res. Station, Jeelugumilli was arranged at Agricultural College, Aswaraopeta on 9.5.96 in connection with farmers day celebrations. Dr. P.R.S. Reddy, Sri R. Subbarao, Sri S.K. Naidu and Dr. A.V.S.R. Swamy have participated in the function.

AT CTRI RES. STATION, HUNSUR

□ A training programme on "Nursery and their management" was conducted to field staff and Officers of Tobacco Board on 17.5.96.

RADIO TALKS

□ నాణ్యమైన పొగాకు నారు పెంచుటకు అధునాతన పద్ధతులు. By Sri B. Nageswara Rao on AIR, Visakhapatnam, 13.5.96.

□ "FCV tobacco nursery management and planting". By Dr. M.M. Shenoji on AIR, Mysore, 17.4.96.

□ గుడ్డులోని పోషక విలువలు. By Smt. N. Arunakumari on AIR, Vijayawada, 23.5.96.

Dr. C.A. RAJU ATTENDED INTERNATIONAL CONFERENCE

Dr. C.A. Raju, Senior Scientist (Plant Pathology) attended the "Sixth International Parasitic Weed Symposium" held at Cordoba, Spain from 16-18 April 1996 and presented the following papers in oral and poster sessions.

● Variability in tobacco germ-plasm towards *Orobanche* infection by C.A. Raju. (ORAL)

● Studies on chemical control of *Orobanche cernua* in tobacco fields by C.A. Raju. (POSTER)

● Chemical control of *Orobanche cernua* on tobacco with a phenolic disinfectant product by G.V.G. Krishna Murthy and C.A. Raju. (POSTER)

● Two modes of vegetative propagation in *Orobanche cernua* (Orobanchaceae) by E.S. Teryokhin, S.I. Chubaron and C.A. Raju. (POSTER)

PAPERS PUBLISHED

SREERAMA MURTHY, CH and V. KRISHNAMURTHY. నీటి పారుదల క్రింద పొగు చేసే నాటు పొగాకు గుణ గణాలు-వినియోగం. **Enadu**, 19.4.96 E.G.Dt.

TRIPATHI, S.N., K.D. SINGH, A.K. PANDEY and G.S.V. SUBRAHMANYAM. Relative efficacy of prilled urea and large granule urea at varying levels of nitrogen on leaf growth, yield and physical quality parameters of chewing tobacco (*N. tabacum* L.). **Ann. Agric. Res.** 16(3):298-302, 1995.

SINGH, K.D., S.N. TRIPATHI and A.K. PANDEY. Response of chewing tobacco varieties to plant spacing and nitrogen levels under non-saline calcareous soil of North Bihar. **Ann. Agric. Res.** 16(3):330-35, 1995.



Dr. K. Nagarajan with the trainees and Mission Mode Project Staff

ASSESSMENT OF TOBACCO CURED LEAF

Assessment of cured leaf samples was done by Scientists for the physical quality characters on 17.4.96. These samples were collected from the experiments conducted by Division of Crop Improvement in T.B.S. during 1995-96.



Scientists are assessing the samples

TOBACCO INSTITUTE CLUB ANNUAL DAY CELEBRATIONS

Tobacco Institute Club Annual day was celebrated on 7.4.96 at Krishi Vihar Complex. Sri P.V. Ramakrishna Rao, Vice Chairman, Tobacco Board was the Chief guest and Dr. M.S. Chari presided over the function. A large number of CTRI staff have attended with their families. Prizes were given to the staff and their children who participated in indoor and outdoor games and other cultural programmes. Mrs. Lakshmi Chari distributed the prizes. Dr. K. Nagarajan, Vice President welcomed the gathering. Sri Y.V. Suryanarayana, Secretary, Tobacco Institute Club has submitted the report and Sri S.S. Prasad acted as Master of ceremony.



Sri Y.V. Suryanarayana, Dr. K. Nagarajan, Sri P.V. Ramakrishna Rao, Dr. M.S. Chari and Smt. Lakshmi Chari



CTRI Staff in a Playlet

CHINESE TRAINEE AT CTRI

Mr. Sun Yu He, Asst. Professor, Tobacco Research Institute, China, has come to CTRI for Training in Tobacco Crop Improvement, Biotechnology and the related disciplines under Indo-China CEP 1995-96 programme. The Indian Council of Cultural Relations (ICCR) New Delhi has arranged this training programme at CTRI, Rajahmundry for a period of 3 months initially from March '96 to June '96 and later extended the period of training for another period of 6 months upto Dec. '96. He is under going training in Tobacco Crop Improvement and the related techniques of biotechnology as well as in Crop Protection and IPM. He will be taken on tour to different FCV Tobacco Res. Stations to acquaint him with the crop of different Agro-climatic Zones.

APPOINTMENTS

Name	Grade	Place of Duty	Date
Kum. J. Suseela Devi	Jr. Clerk (Hindi Typist)	CTRI, Rajahmundry	3.4.96
Sri M. Venkata Jaya Krishna	Tech. T-1	CTRI RS, Kandukur	30.4.96
Kum. J. Vasanthi	Tech. T-1	CTRI, Rajahmundry	8.5.96
Sri T. Venkatesh	Tech. T-II-3	CTRI RS, Jeelugumilli	13.5.96
Sri Sanjiv Kumar Dam	Tech. T-1	CTRI RS, Dinjata	14.5.96
Sri K. Suresh babu	Tech. T-1	CTRI RS, Guntur	15.5.96
Sri G. Srinivasa Rao	Tech. T-1	CTRI RS, Jeelugumilli	10.6.96
Sri Sujit Kumar Sarkar	Jr. Steno	CTRI RS, Dinjata	14.6.96

INTER INSTITUTIONAL TRANSFERS

Name & Designation	From	To	Date
Dr. S.S. Hussaini Sr. Scientist	CTRI RS Hunsur	PDBC Bangalore	10.6.96
Sri N. Sreenivasa Rao Jr. Steno	CTRI Rajahmundry	NRC, Eluru	1.5.96

RETIREMENTS

Name	Grade	Reason	Date
Dr. Ch. S. R. Murthy	Sr. Scientist	Superannuation	30.4.96
Sri S. Chelliah	Tech.T-II-3	Voluntary	1.5.96
Sri D.N. Ganguly	S.S.Gr.IV	Superannuation	30.4.96
Sri S.M. Abdul Wazid	Scientist Sr. scale	Superannuation	31.5.96
Sri R. Raman	S.S.Gr.I	Superannuation	31.5.96
Sri A. Surya Rao	S.S.Gr.III	Superannuation	30.6.96

OBITUARY

Sri N. Narayana Murthy	Tech. T-2	CTRI RS, Kandukur	12.5.96
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KRISHI VIGYAN KENDRA

OIL SEEDS FIRST LINE DEMONSTRATIONS

Sesamum high yielding varieties viz Gowri and YLM-17 were supplied to 10 farmers of the Parijellapeta village for conducting Kharif sesamum demonstrations in an area of 4 ha.

Groundnut high yielding variety viz RSHM-1 was supplied to 10 farmers of Doddigunta village for conducting kharif groundnut demonstrations in an area of 4 ha.

ON-FARM TRIAL WITH RICE VARIETIES

High yielding rice varieties viz MTU-1001, 1002 and 1003 were supplied to six farmers of Doddigunta, Pallakadiyam, Gadarada, kanupuru and Kalavacharla villages for conducting on farm trials for comparison of the yield performance.

ANIMAL SCIENCES PROGRAMME

Dr. B. John Babu and Dr. P.V.V.S. Siva Rao, Veterinary Surgeons of KVK conducted an operation of Recto Vaginal Fistula in a new born calf. The calf was suffering from congenital abnormality and after the operation the calf has recovered.

TRYSEM TRAINING PROGRAMME

A function was arranged on 18.4.96 for distribution of tool kit sets each worth of Rs.800/- to 54 trainees of Virava, Jalluru, Jagapathirajapuram, kandarada and East Gonagudem villages who have undergone training on fibre products making under TRYSEM, DRDA, Kakinada during 1995-96.

Dr. M.S. Chari, Director presided over the function and distributed stipend certificates and Mrs. Lakshmi Chari, Chief Guest of the function, distributed the tool kits.



Dr. M.S. Chari addressing the trainees

□ सी. टी. आर. आई. के निदेशक के रूप में डा. एम. एस. चारी ने अपने पदावधि पूरा किया

सन् 1986 से 1996 तक डा. एम. एस. चारी सी. टी. आर. आई. के निदेशक के पद में अपना पदावधि सफलता से पूरा किया और नार्म हैदराबाद में विशेष कार्यधिकारी पद में स्थानांतरण पाकर ता. 27 अप्रैल 1996 से कार्यमुक्त हो गये।

□ डा. के. नागराजन, सी. टी. आर. आई. का कार्यकारी निदेशक

दिनांक 27 अप्रैल 1996 को डा. के. नागराजन प्रधान वैज्ञानिक एवम प्रभाग-प्रमुख सस्य संरक्षण ने सी. टी. आर. आई. का कार्यकारी निदेशक पद का कार्यभार संभाला। वे इस संस्थान में वरिष्ठतम प्रधान वैज्ञानिक हैं।

□ सी. टी. आर. आई. अनुसंधान केन्द्र, वेदसदूर

कर्नाटका के दक्षिण अर्कोट जिले के शिवपुरी क्षेत्र के समुद्र तट - रेखा क्षेत्र के लिए वी-आर-2, भाग्यलक्ष्मी और आई-64 नामक नियंत्रण किस्मों के साथ सेलेक्शन एच.

वी. 92-1 और 9-4 के सामूहिक परीक्षणों में शोधित पत्तों के उपज में वी. आर-2 से 17 प्रतिशत वृद्धि अभिप्रायित हुई।

तकनोलोजी का स्थानांतरण

सी. टी. आर. आई. राजमन्दी

□ प्रशिक्षण कार्यक्रम

तारीख 8-9 अप्रैल 1996 को आचल V में स्थित कृषि विज्ञान केन्द्रों के कर्मचारियों के लिए एक पूर्वाभिमुखीकरण (ओरियण्टेशन) प्रशिक्षण कार्यक्रम आयोजित किया गया।

डीबीटी के मिशन मोड परियोजना के आन्तर्गत दिनांक 10-11 जून 1996 को पूरब गोदावरी जिले के सहायक कृषि अधिकारियों और ग्राम विकास अधिकारियों के लिए "बयो एजेण्ट्स" (जैव कारकों) के उत्पादन पर एक प्रशिक्षण कार्यक्रम आयोजित किया गया।

डा. सी. ए. राजू, वरिष्ठ वैज्ञानिक विज्ञान ने (पादप रोग) - दिनांक 16-18 अप्रैल 1996 के दौरान स्पेईन के कोरडोबा में आयोजित "छठवीं अन्तराष्ट्रीय परजीवी अपत्रण संगोष्ठी" में उपस्थित होकर चार लेखों को मौखिक रूप से प्रस्तुत किया और प्रज्ञापक प्रस्तुतीकरण में भाग लिया।

कृषि विहार काम्पलेक्स में ता. 7-4-96 को टुबैको इन्स्टिट्यूट क्लब का वार्षिक समारोह मनाया गया। श्री पी. वी. कृष्णा राव, उपाध्यक्ष, तम्बाकू बोर्ड ने इस समारोह के मुख्य अतिथि थे। डा. एम. एस. चारी ने इस समारोह की अध्यक्षता की। बड़ी संख्या में सी. टी. आर. आई. के कर्मचारियों ने अपने परिवार सदस्यों के साथ इस में भाग लिया। आंतरगिक और बाह्य खेलों में और सांस्कृतिक कार्यक्रमों में भाग लिये हुए कर्मचारियों और उनके सदस्यों को पुरस्कार प्रदान किये गये। प्रथम लाइन प्रदर्शनों के अधिक पैदावार वाले तिल के किस्म याने गौरी और वाई. एल. एम. - 17 परिजेल्लपेटा गाँव के 10 किसानों को 4 हेक्टर क्षेत्र में खरीफ तिल प्रदर्शनों के लिए दिये गये। दोड्डिगुण्टा गाँव के 10 कृषकों को 4 हेक्टर क्षेत्र में खरीफ मूंगफली प्रदर्शनों के लिए मूंगफली के अधिक उपजवाले किस्म याने आर. एस. एच. एम.-1 का आपूर्ति किया गया। खेती प्रयोगों और पैदावार निष्पादन की तुलना के लिए अधिक उपज देनेवाले चावल के किस्म याने एम.टी.यू. 1001, 1002 और 1003, का आपूर्ति किया गया।

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

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