



समाचार Newsletter

Vol.17
No.3
July - Sept.
1995

TOBACCO RESEARCH

Central Tobacco Research Institute

DIRECTOR-GENERAL VISIT

Dr. R. S. Paroda, Secretary, Department of Agric. Research and Education, Ministry of Agriculture, GOI and Director General, ICAR, New Delhi visited CTRI, Rajahmundry and Krishi Vigyan Kendra of CTRI at Kalavacharla on 25.8.95. He visited all the divisions, sections of the Institute and interacted with scientists. While addressing the scientists and the staff, Dr. R. S. Paroda complimented the Director and Staff for the excellent research and transfer of technology on tobacco production. He also suggested to concentrate on evolving/identifying semi-flavourful to flavourful tobacco cultivars with higher productivity, alternate uses of tobacco, use of biotechnology in developing flavourful tobacco with tolerance to biotic stresses and developing production technologies to reduce cost of cultivation for the benefit of farming community. During

his visit Dr. Paroda inaugurated newly constructed block of the Div. of Crop Improvement and Crop Production and "Scientist's Home" in Krishi Vihar, Rajahmundry. He also inaugurated the "Farmers Hostel" and laid the foundation stone for Home Science Hostel at KVK, Kalavacharla. Dr. Paroda interacted with trainees at KVK and appreciated the training programmes conducted there. In a function at the main Institute Dr. Paroda released a multi-discipline technical bulletin **A decade of Krishi Vigyan Kendra** brought out by KVK of CTRI and another bulletin **Computer Awareness for Scientists & Administrative Personnel** brought out by Sri C. R. Nageswara Rao and Sri H.Ravi Sankar of Computer Cell of this Institute. During the visit Dr. Paroda planted a Pongamia sapling in the Institute premises.

Date: 9 APR 1996
RAJAHMUNDRY-E33105
D.G.'s
IMPRESSIONS

I am extremely impressed with the progress made by CTRI during the last one decade. Scientists have done exceedingly well and Institute has got most able leadership. Research priorities are well planned and linkage with the farmers is also good. Work of KVK also deserves my appreciation. Let us now think for on perspective plan for 2020 and reorient all the efforts to meet future challenges successfully. My best wishes to all in their efforts in this regard.



Dr.R.S.Paroda unveiling the plaque and inaugurating the Scientist's Home



Dr.Paroda unveiling the plaque of newly constructed block



Dr. Paroda releasing a bulletin "Computer awareness for scientists and administrative staff"



Sri Y.V.Suryanarayana and Sri N.Syam Prasad with Dr. Paroda in the library of CTRI



Dr. Paroda planting a pongamia sapling in the Institute premises

NICNET FACILITY AT CTRI, RAJAHMUNDRY

Dr. M. S. Chari, Director, CTRI, Rajahmundry has inaugurated **NICNET** connectivity on 9th Aug. 1995. The first message was sent to Dr. R. S. Paroda, Director General, ICAR, New Delhi as follows:

NICNET facility at CTRI, Rajahmundry is established. This is for your kind information. We welcome you to visit CTRI on 25-8-95.

With regards.

M.S.Chari

(Line 15) Edit: rr

1. From: Dr.M.S.Chari, Director, CTRI,
2. Rajahmundry,
- 3.
4. To: Dr.R.S.Paroda, DG (ICAR)

5. -----CROSSTALK - XVI -----

6.

7. 9th Aug, 1995

- 8.
9. NICNET facility at CTRI, Rajahmundry
10. is established. This is for your kind
11. Information.
12. We welcome you to visit CTRI on
13. 25th August, 1995.
14. With regards,
15. M.S.CHARI.

Help, Read, Change, SUBstitute, INCLude,
INSert, Delete, Format,SAve, Escape, SENd

(Line 15) Edit: Sesnen (Send)

1 message created on Wednesday August 9, 1995 12:31 pm (IST)

RESEARCH ADVISORY COMMITTEE AND STAFF RESEARCH COUNCIL MEETINGS



Dr. G.J.Patel releasing the Annual Report of CTRI

Research Advisory Committee Meeting and Staff Research Council Meetings were held on 23.7.95 and 23-28 July '95, respectively. The concept of Research Advisory Committee (RAC) was explained by Dr.K.Nagarajan, Member Secretary, RAC.

Dr.G.J.Patel, Chairman RAC, inaugurated the function by lighting the lamp. Dr. R. Lakshminarayana, Project Coordinator (Tobacco), Dr. S. Kori, Director, Directorate of Tobacco Development, Dr. T. S. Subramaniam, Chief Scientist ITC/ILTD, Div., Dr. N. M. Patel, Principal, B.A. College of Agric., Anand, Scientists from AICRP, CTRI and its research stations have participated.

Dr. G. J. Patel in his inaugural address complimented the scientists for the contributions made and also advised them not to be complacent with the results

achieved. He advocated the need to develop new varieties and improve technologies for the benefit of tobacco farming community. The annual report of the Institute for 1994-95 was released by Dr. Patel.

In his address, Dr.M.S. Chari, Director desired that hereafter the programmes would reflect the objectives of perspective plan. Dr.Chari also mentioned about the desire of GOI to find out alternate crops equally remunerative to tobacco.

Dr.R.Lakshminarayana, Project Coordinator (Tobacco) stressed that the new programmes should be formulated keeping in view, the national and international demands.

The progress of research programmes was reviewed critically, technical programme of work for 1995-96 was finalised and 21 new projects from different disciplines were approved.

RESEARCH ACTIVITIES

AT RAJAHMUNDRY

□ In the Computer Cell an user friendly menu driven software package "MATPACK" was developed in COBOL for storage and retrieval of information on meteorological parameters. The meteorological data on rainfall, maximum and minimum temperatures and relative humidity at Katheru farm since 1947 has been stored. According to the need of the users, weekly, fortnightly and monthly averages of the above parameters besides daily data can be retrieved.

AT VEDASANDUR

□ Six selections, HV 94-19 to 24 of chewing tobacco having resistance to *Spodoptera litura* were on par with the susceptible parent and the best local check Meenakshi in respect of total leaf yield.

□ Selection HV.92-3, HV.92-4, HV.92-2 and HV.92-1 gave an increase of 20.5, 17.1, 11.9 and 7.6% cured leaf yield, respectively over the check variety of the coastal belt VR-2.

□ It was found that HV.91-5 was significantly superior over KV-1 and Krishna by recording 36.1 and 33.9% increase in whole leaf and 21.3 and 15.6% increase in total leaf yield, respectively.

□ Evaluation of caterpillar resistant selections revealed that nine out of ten selections (HV.94-24 to HV.94-32) were significantly superior to the variety OK-1 in terms of both whole and total leaf yields. But when compared with the other parent Sendarpatty Special, only HV.94-27 exhibited significant superiority by yielding 1869 and 2821 kg/ha of whole leaf and total leaf, respectively.

Hindi Week Celebrations



Sri S.K.Khare addressing at valedictory function

Hindi week was celebrated from 14-9-95 at this Institute. Dr.M.S.Chari inaugurated the celebrations by lighting the lamp on 14-9-95. A number of competitions were conducted in Hindi for the staff during the week. Sri S.K.Khare, Vice President (Operations), Andhra Pradesh Paper Mills, Rajahmundry was the Chief Guest for the valedictory function on 19-9-95. The Chief Guest distributed prizes to the winners and other participants in all the programmes during the week. Dr.T.Venkateswarlu, Sr.Scientist and Chairman, Official Language

Implementation Committee (OLIC) gave welcome address and Sri Y . V . S u r y a n a r a y a n a , Documentation Officer and Member-Secretary, OLIC proposed vote of thanks. Sri M. Appa Rao, Tech. Officer T-5 and Member, OLIC, Sri N. Syam prasad, Tech.Officer T-5, Sri Arjuna Paul, Tech.Officer T-5 and Sri Ch.Sri Rama Rao, Hindi Translator actively involved in organizing the celebrations and made the function a grand success. The following staff actively participated in the Hindi Week celebrations and secured prizes in various competitions.

Item	First Prize	Second Prize
Letter writing	Sri G.Nagesh Kantha Rao	Sri K.P.S.N.Murthy
Essay writing	Smt J.V.R.Satyavani	Sri I.Jagadish Chandra
Translation		
English to Hindi	Dr.(Smt.).K.Sarala	Dr.P.R.S.Reddy
Hindi to English	Dr. U.Sreedhar	Sri N.Sreenivas Rao
Terminology	Dr.C.A.Raju	Sri K.Ganesh Babu
Elocution	Dr.(Smt.) K.Sarala	Sri I.Srinivas
Songs	Sri M.Appa Rao	Smt.J.V.R.Satyavani
Kavitha/Gazels	Sri M.M.Ali	Sri M.Rambabu
Memory Test	Sri H.Ravi Sankar	Sri N.Suryanarayana
Noting	Sri P.Ram Kumar	Smt.P.V.S.Bharathi
Reading Passage	Sri Y.Prabhakar	Sri I.Srinivas
Songs (Consolation prize)		Sri R.Sudhakar

Ph.D. Award under the guidance of Dr. K.NAGARAJAN

□ Sri U.Prabhakara Rao, Lecturer in Botany, Pondicherry University, Yanam has been declared qualified for the Degree of Doctor of Philosophy of Andhra University, Waltair, for the thesis entitled " Studies on Root-knot disease of FCV tobacco in Andhra Pradesh caused by *Meloidogyne javanica*. He worked under the guidance of Dr.K.Nagarajan Principal Scientist and Head, Div.of Crop Protection, CTRI, Rajahmundry.

Vanamahostav Celebrations at Pusa Res. Station

Vanamahostav was celebrated on 23.8.95 and 150 saplings of timber wood plants, pongamia, neem and ornamental plants were planted. Dr.P.N.Jha, Ex-Vice Chancellor and Dean (AG), Dr.A.K.Srivastava, Director of Research and R.C.Jha, Head Agro Forestry of RAU, Bihar, Pusa and progressive farmers participated in the function.



Dr.P.N.Jha planting the pongamia sapling

TRANSFER OF TECHNOLOGY

AT CTRI RES. STATION, HUNSUR

Training Programme

A training programme on curing and grading of tobacco was conducted for about fifty trainees from Tobacco Board on 22.9.95.

AT CTRI RESEARCH STATION, KANDUKUR

Nursery visits

Sri A.I.Narayanan, Officer-in-charge along with other scientists visited tobacco nurseries at Vallativaripalem, Kamapalli and Podili on 16.9.95, 22.9.95 and 26.9.95 respectively and advised nursery growers in successful management of nurseries by adopting new technologies developed by the station.

RADIO TALKS

- అధికౌత్పత్తి సాధించడంలో నూతన వర్తనీయ మరయు బర్లి వంగడములు by Sri V.V.Ramana Rao on AIR, Visakhapatnam 27.7.95.
- పొగాకు సాగుకు అనువైన నేలలు రకాలు by Sri G.S.B.Prasannasimha Rao on AIR, Vijayawada 2.8.95.
- పొగాకు పంటలో రసాయనిక ఎరువులు వాడవలసిన విధానము పొదుపు by Sri K.S.N.Murty on AIR, Visakhapatnam 12.8.95.
- తేలిక నేలలో పొగాకు సాగు by Sri K.S.N.Murty on AIR, Vijayawada 14.8.95.

□ పొగాకు సాగు వ్యవసాయ పాఠశాల 3 by Dr.U.Sridhar on AIR, Vijayawada 16.8.95.

□ పొగాకు సాగు వ్యవసాయ పాఠశాల 4 by Dr.C.A.Raju on AIR, Vijayawada 23.8.95.

□ గ్రామీణ వ్యవసాయరంగంలో సాంప్రదాయతర శక్తి వనరులు అవశ్యకత by Sri I. Srinivas on AIR, Visakhapatnam 23.9.95.

□ బర్లి వ్యవసాయములో సశ్యరక్షణ by Sri S. Sitaramaiah on AIR, Visakhapatnam 28.9.95.

□ Tobacco varieties of Tamilnadu (in Tamil) by Sri M.Mohan on AIR, Madurai, 25.8.95.

□ Preparation of tobacco nursery (in Tamil) by Sri A.C.Rajasekharan on AIR, Madurai 28.9.95.

□ పొగాకు వేసే భూములలో ఖరీఫ్ పంటలు by Dr.P. Harishu Kumar on AIR, Vijayawada 7.7.95.

□ How to obtain higher yield of tobacco (In Hindi) by Dr.K.D.Singh on AIR, Darbhanga 31.8.95.

T. V. PROGRAMME

Management of Saline and Alkali Soils in North Bihar by Dr. K. D. Singh was recorded and transmitted by Doordarshan Kendra, Muzaffarpur on 22.9.95

CONFERENCES/WORKSHOPS

□ Dr.G.Raghupathi Rao attended VI-National Symposium on "Integrated Pest Management - An entomological approach to sustainable agriculture" from 22-24 September 95 at Muzaffarnagar (U.P.) and presented two papers entitled "Influence of weather factor on the biology of whitefly, *Bemisia tabaci* on brinjal" and "Evaluation of Nuclear Polyhedrosis Virus in combination with neem formulation for the management of gram pod borer, *Helicoverpa armigera* on pigeonpea".

□ Dr. G. Raghupathi Rao attended National Symposium on "Perspectives in Ecofriendly approaches to Plant Protection" from 7-8, September 95 at IARI, New Delhi, and presented two papers entitled "Insecticide Application Technologies for the Effective Management of Boll Worm, *H. armigera* on Cotton" and "Monitoring of Insecticide resistance in Boll Worm *H.armigera* at different locations of coastal Andhra Pradesh".

□ Dr.K.D.Singh, Principal Scientist and Officer-in-charge, Pusa attended the extension officers training programme on **Agro-forestry** organised by RAU, Pusa on 20.9.95 and 24.9.95.

□ Dr. K. D. Singh was nominated by RAU, Pusa as member of Advisory Committee for preparation of Agromet-Advisory Bulletins for farmers.

PAPERS PUBLISHED

CHARI, M.S., G. RAMAPRASAD and S.V.V. SATYANARAYANA. Role of pheromones in tobacco Insect pest management. Proceedings of National Workshop, Pheromones in IPM pp 65-71, 1995.

KRISHNAMURTY, G.V.G and C.A. RAJU. Effect of solarization on the germinability of broomrape seeds (micro plot study). In *Biology and Management of Orobanche*. (Proceedings of the Third International Workshop on *Orobanche* and related *striga* research. Amsterdam, The Netherlands, Royal Tropical Institute 1994.) PIETERSE, A.H. et al. (Eds) pp 493-495.

KRISHNAMURTY, G.V.G. and C.A. RAJU. 'Mini-Spear' and 'Leaf Pusher' in broomrape control in air cured tobacco crop. In *Biology and Management of Orobanche*. (Proceedings of the Third International Workshop on *Orobanche* and related *striga* research. Amsterdam, The Netherlands, Royal Tropical Institute 1994.) PIETERSE, A.H. et al. (Eds) pp 496-498.

KRISHNAMURTY, G.V.G. *Orobanche* problem and management in India. In *Biology and Management of Orobanche*. (Proceedings of the Third International Workshop on *Orobanche* and related *striga* research. Amsterdam, The Netherlands, Royal Tropical Institute 1994.) PIETERSE, A.H. et al. (Eds) pp 591-8.

KRISHNAMURTY, V., K.S.N. MURTY, S.N. TRIPATHI and B. V. RAMA KRISHNAYYA. Fertility status of Motihari (*N. rustica* L.) and Jati (*N. tabacum* L.) tobacco soils of West Bengal. *Indian J. Agric. Res.* 29(1):44-8, 1995.

J.A.V. PRASAD RAO (Comp) ఉత్తరాంధ్ర తేలిక నేలల్లో వర్షనియా పొగాకు యాజమాన్య పద్ధతులు

MURTY, K.S.N., J.A.V. PRASAD RAO and D.A. SHARMA. తేలిక నేలల్లో నాటుపొగాకు ఎరువులు వాడకం Eenadu 7.8.95 Khammam Dist.

J.A.V. PRASAD RAO భూసార కొరతల అవశ్యకత. Eenadu, 18-8-95 E.G.Dt.

APPOINTMENTS

Name	Grade	Place of Duty	Date
Sri S. Pradeep Kumar	Jr. Clerk	CTRI RS, Kandukur	1-8-1995
Sri M.S. Asokan	Tech. T-1	CTRI RS, Vedasandur	2-8-1995
Sri K. Manoharan	Scientist	CTRI RS, Kandukur	2-8-1995
Sri Gopala Rao	Tech. T-1	CTRI RS, Hunsur	3-8-1995
Dr. K. Giridhar	Scientist	CTRI RS, Hunsur	3-8-1995
Sri S. Venkataramana	Jr. Clerk	CTRI RS, Jeelugumilli	7-8-1995
Dr. J.V. Prasad	Scientist	CTRI RS, Kandukur	8-8-1995
Dr. S.M. Viswanath	Scientist	CTRI RS, Hunsur	14-8-1995
Smt. V. Subbalakshmi	SS. Gr. I	CTRI, Rajahmundry	21-8-1995
Smt. P. Suchitra	Jr. Clerk	CTRI, Rajahmundry	30-8-1995

INTER INSTITUTIONAL TRANSFERS

Name & Designation	From	To	Date
Dr. R.P. Srivastava Sr. Scientist	C.T.R.I. Rajahmundry	I.I.P.R Kanpur	31-7-95
Sri K.S.N.D. Mathur ASSTT	CTRI RS Kandukur	NRC, Pedavegi	1-5-95
Sri Ch. N.V.S. Sarma Jr. Clerk	CTRI RS Kandukur	ZCU, Hyderabad (On Deputation)	31-7-95

RETIREMENTS

Name	Grade	Reason	Date
Dr. A.S. Krishna Murty	Scientist (Sr. Scale)	Superannuation	31-8-1995 AN
Sri E.K. Durga Das	Supdt.	Superannuation	31-8-1995 AN
Sri K. Madhava Rao	Tech. (T-II-3)	Superannuation	31-8-1995 AN
Sri A. Veeraju	S.S. Gr. III	Superannuation	31-8-1995 AN
Sri S.K. Mastan	Supdt.	Superannuation	30-9-1995 AN
Sri M. Sriramulu	S.S. Gr III	Superannuation	30-9-1995 AN

OBITUARY

- Sri D.N. Barman, S.S. Gr. IV, CTRI RS Dinhatla passed away on 7-7-95
- Sri G. Ananda Rao, Tech. T-2, CTRI, Rajahmundry passed away on 8-7-1995.
- Sri B. Satheyya, S.S. Gr. III, CTRI, Rajahmundry passed away on 11-8-1995.

KRISHI VIGYAN KENDRA



Dr.Paroda unveiling the plaque of Farmers Hostel



Dr. R.S.Paroda distributing kits to trainees



Dr.R.S.Paroda addressing the farmers

SEMINAR ON FODDER PRODUCTION



Dr.M.S.Chari addressing the delegates

A seminar on Fodder Production sponsored by Indo-Swiss Project, A.P., was organised on 8-7-95 by KVK at CTRI, Rajahmundry. Two hundred delegates have participated in the seminar.

Dr.M.S.Chari, Director, presided over the function and expressed that fodder production is the key to enhance milk production. He also informed that Krishi Vigyan Kendra will play a vital role to improve the socio economic conditions of rural areas. Dr.Atchut Kumar, Additional Director, Dept. of Animal Husbandry explained various activities undertaken to promote fodder production.

Dr.Vasireddy Narayana Rao, Ex-Director (AH) and Editor, Annadata told that Mandal and District level planning should be carried out every year on feed and fodder requirement basing on cattle population. Dr. M. Kantha Rao, D.S.P., felt that waste lands, garden lands and disputed lands of A.P. should be utilised for fodder cultivation. Dr.R.Mohan Rao, Joint Director (AH) suggested the delegates to recommend suitable fodder varieties for the particular area. Dr. Visvaraj, Consul- tant, Indo-Swiss Project appealed to the various departments like Agri- culture, Forests etc.to en- courage fodder production.

अनुसंधान उपलब्धियाँ

अनुसंधान सलाहकार समिति एवं कर्मचारी अनुसंधान परिषद की बैठकें :

- अनुसंधान सलाहकार समिति एवं कर्मचारी अनुसंधान परिषद की बैठकें क्रमशः दिनांक 23-7-95 एवं 23-28 जुलाई 1995 को आयोजित की गयी।
- डॉ. के.नागराजन, सदस्य सचिव, आर. ए.सी.ने अनुसंधान सलाहकार समिति के निर्माण के बारे में जानकारी दी। डा. जी.जे.पटेल, अध्यक्ष अनुसंधान समिति ने दीप जलाकर कार्यक्रम का उद्घाटन किया। डा.आर. लक्ष्मीनारायणा, परियो-जना समन्वयक, (तम्बाकू), डा. एस. कोरी, निदेशक, तम्बाकू विकास निदेशालय, डा.टी.एस. सुब्रमण्यम् मुख्य वैज्ञानिक, आई.टी.सी/आई.एल. टी.डी, डा. एन. एम. पटेल, प्रधानाचार्य, बी.ए. कृषि कालेज, आनन्द, अखिल भारतीय तम्बाकू अनुसंधान समन्वित परियोजना, सी.टी.आर.आई. एवं इसके अनुसंधान केन्द्रों के वैज्ञानिकों ने इस कार्यक्रम में भाग लिया।
- इन बैठकों में अनुसंधान कार्यक्रमों की प्रगति की समीक्षा की गयी तथा 1995-96 के तकनीकी कार्यक्रम को अन्तिम रूप दिया गया।

केन्द्रीय तम्बाकू अनुसंधान संस्थान राजमन्त्री

- कम्प्यूटर प्रकोष्ठ में मेटैक के नाम से

मौसम विज्ञान से सम्बन्धित प्राचलों के भंडारण के लिए सोफ्ट वेयर प्रणाली विकसित की गयी।

अन्य गतिविधियाँ

- के.त. अनु. संस्थान, राजमन्त्री : डा. एम.एस. चारी, निदेशक, केन्द्रीय तम्बाकू अनुसंधान संस्थान, राजमन्त्री ने दिनांक 9-9-95 को निकनेट सेवा का उद्घाटन किया तथा कम्प्यूटर द्वारा डा. आर. एस. परोडा, महानिदेशक, भारतीय कृषि अनुसंधान परिषद, नई दिल्ली को प्रथम संदेश भेजा।
- हिन्दी सप्ताह समारोह : संस्थान में दिनांक 14-9-95 से 19-9-95 तक हिन्दी सप्ताह समारोह का आयोजन किया गया।
- डा.एम.एस. चारी, निदेशक, ने दीप जलाकर समारोह का उद्घाटन किया। इस सप्ताह के दौरान संस्थान के आंधि-कारियों/कर्मचारियों के लिए हिन्दी में अनेक प्रतियोगिताएँ आयोजित की गयी 22 अधिकारियों और कर्मचारियों को पुरस्कार प्रदान किये गये।
- महानिदेशक का भ्रमण : डा.आर.एस. परोडा, महा निदेशक, भारतीय कृषि अनुसंधान परिषद, नई दिल्ली ने केन्द्रीय तम्बाकू अनुसंधान संस्थान एवं कृषि विज्ञान केन्द्र का दिनांक 25-8-95 को

भ्रमण किया।

संस्थान और इसके अनुसंधान केन्द्रों में 10 वैज्ञानिकों/कर्मचारियों की नियुक्ति की गयी।

- तीन अधिकारियों/कर्मचारियों का एक संस्थान से दूसरे संस्थान में स्थानांतरण किया गया।
- संस्थान के 6 अधिकारी/कर्मचारी सेवा काल पूरा होने के कारण सेवा निवृत्त हुए।

कृषि विज्ञान केन्द्र

- चारा उत्पादन पर विचार गोष्ठी : भारत स्विस परियोजना द्वारा प्रायोजित एक विचार गोष्ठी का केन्द्रीय तम्बाकू अनुसंधान संस्थान में दिनांक 7-8-95 को आयोजन किया गया। इस विचार गोष्ठी में 200 प्रतिनिधियों ने भाग लिया। डा.एम.एस. चारी, निदेशक ने समारोह की अध्यक्षता की तथा कहा कि दुग्ध उत्पादन में चारा उत्पादन का एक विशेष महत्व है। उन्होंने कहा कि कृषि विज्ञान केन्द्र ग्रामीण क्षेत्रों की सामाजिक एवं आर्थिक स्थिति सुधारने में महत्वपूर्ण भूमिका निभा सकते हैं।

* * *

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

Hindi Version by Rambir & Ch. Srirama Rao

Published by the Director, Central Tobacco Research Institute, Rajahmundry - 533 105, INDIA

Printed at NEW IMAGE GRAPHICS, VIJAYAWADA - 520 003. Ph : 0866 - 481161