



समाचार Newsletter

Vol. 17
No. 1
Jan - Mar
1995

Central Tobacco Research Institute, Rajahmundry

NATIONAL SYMPOSIUM ON TOBACCO



Dr. M.S.Chari, President, ISTS welcoming the delegates

National Symposium on Tobacco "Search for High Quality" was organised by Indian Society of Tobacco Science, Rajahmundry at Central Tobacco Research Institute from 1-3 Feb 1995. Sri G. Buchaiah Chowdary Hon'ble Minister for Rs.2-a-kg Rice Programme and Civil Supplies, Govt. of Andhra Pradesh inaugurated the Symposium by lighting the lamp. Dr.K.V.R.Chowdary, Hon'ble Member of Parliament, Rajahmundry was the chief guest. Dr.G.M.Reddy, Director, Centre for Plant Molecular Biology, Dr.T.S.Subramaniam, M/s. ITC-ILTD, Dr. A.K.Raheja, ADG(E&BC), and a number of distinguished Scientists, Subject Matter Specialists and trade Executives participated in the function. Dr.M.S.Chari welcomed the dignitaries. Sri Butchaiah Chowdary, in his inaugural address exhorted the scientists to develop suitable technolo-

gies to reduce cost of cultivation of tobacco, to find out alternate source of energy for coal and wood fuel, to popularise the botanical pesticides, bio-pesticides and bio-fertilizers which are ecologically sound and environmentally safe. He also requested the scientists to find out alternate remunerative crops to FCV tobacco. Dr.K.V.R.Chowdary, in his speech described the tobacco plant as a model plant and requested the scientists to identify new genes for use in genetic engineering of other crops. Souvenir brought out in connection with 1995 Tobacco Symposium, was released by Dr.K.V.R.Chowdary. Bulletin entitled "Statistics on flue cured tobacco in India 1995" was released by Dr.A.K.Raheja. Another bulletin entitled 'Tobacco Varieties released by CTRI' was also released during this occasion by Prof. G.M.Reddy.

On this occasion "Dr.G.S.Murty Award 1995" for outstanding research contribution and team leadership in Genetics and Plant Breeding and other disciplines of tobacco were shared by Dr.M.S.Chari, Dr.B.V.Ramakrishnayya, Dr.P.R.S.Reddy, Dr. J.A.V. Prasada Rao, Dr.S. Amarnath and Dr.K.D.Singh. "Sri K.Devappa Award 1995" for outstanding research contribution in Agronomy and other disciplines of tobacco were shared by Dr. M.S.Chari, Dr. P. Harishu Kumar, Dr. R. Sinha, Sri C.B. Sarma, Sri N. Prabhakara Rao, Sri R.S.N. Rao and Dr. U. Sreedhar.

Dr. G.J. Patel, Dr. M.S. Chari, Dr. N.C. Gopalachari, Dr. N.S. Reddy, Dr. K.V. Satyanarayana, Dr. K. Nagarajan, Dr. T.S. Subramaniam, Dr. M.K. Chakraborty, Sri G.V.G. Krishna Murty, Dr. T. Sitaramachary and Sri V.V. Ramana Rao were elected as "Fellows of the

Indian Society of Tobacco Science (FISTS)". A total number of 81 papers from different disciplines of tobacco were presented during the symposium. The Gold Medal instituted by ISTS for the best paper entitled "Influence of plant spacing and level of nitrogen on yield and quality of Burley cultivars" presentation during symposium was awarded to Sri R. Subba Rao.

INSTITUTIONAL BIOSAFETY COMMITTEE MEETING

The second meeting of the Institutional Biosafety Committee (IBSC) was held on 31-1-95. Prof. G.M.Reddy, Director, Centre for Plant Molecular Biology (CPMB) and Dr. Rakesh Tuli, Dy. Director, National Botanical Research Institute, Lucknow attended the meeting as nominees of the Deptt. of Biotechnology. Dr. A.K. Raheja, ADG(E&BC) participated in the deliberations as special invitee. The committee inspected transgenic plants of tobacco in screen house and expressed full satisfaction over the biosafety measures followed by the Institute in evaluating the transgenic (bt) against *Spodoptera litura* and *Heliothis armigera*. The committee made the following recommendations.

1. A research project on development and evaluation of transgenic (Bt) tobacco plants be submitted to DBT.
2. Proposal may be sent to DBT for developing screen house facilities to evaluate large number of transgenic tobacco plants.
3. Biotechnology and Molecular Genetics Division may be established to take up work on development of chimeric gene constituents and quantification of Bt toxic protein in test plants. Dr. Seema Wahab, Principal Scientific Officer, DBT complimented the scientists for their excellent work on evaluation of transgenic tobacco cultivars against the *Lepidoptera* pests, during her visit on the occasion of 1995 Tobacco Symposium.

PROJECT MONITORING COMMITTEE OF MISSION MODE PROJECT OF DBT MEETING

Dr. M.S. Chari, Director and Principal investigator of the project presided over the meeting. Dr.A.K. Raheja, ADG(E&BC), Dr. Seema Wahab, Principal Scientific Officer, DBT, New Delhi, Sri G.Rama Prasad Co-Principal Investigator, Dr. Zahuruddin, Dr. M.S.Mohiddin, P.P.O, Directorate of Plant Protection, Vijayawada attended the meeting.

The chairman briefed the members about the DBT funded Mission Mode Project entitled "Development Production and demonstration of Biological Control agents under Integrated Pest Management" its objectives, mode of operation and progress achieved during 1994-95. Sri G.Rama Prasad the Co-PI gave a clear exposition of the details of areas of different crops, natural enemies that were released at their respective dosages, biopesticides used under IPM, response of farmers, and observations recorded.

Dr. Seema Wahab P.Sc.O, DBT appreciated the progress made in field application of bio-agents. After critical review of the progress of MMP, the committee made the following recommendations.

1. A training programme is to be organised in collaboration with KVK/ Ag. extension section as the preparation and use of SI NPV, Ha NPV and other bio-control and botanical agents in IPM for the benefit of farmers and farm-women.
2. To undertake demonstration trials on use of effective *b.t* strains.
3. Suitable sampling techniques and statistical methods are to be evolved for evaluation of demonstration of IPM with bioagents in comparison with chemical control.



Dr. M.S.Chari explaining about Mission Mode Project

INAUGURATION OF NPV LABORATORY

Dr. Seema Wahab, Principal Scientific Officer, DBT inaugurated the NPV laboratory under Mission Mode Project. Dr.M.S.Chari, Director, Dr.B.K.Tripathi, ADG(CC), Dr.A.K. Raheja, ADG (E&BC), Dr. K. Nagarjan, Head, Division of Crop Protection, Scientists and farmers participated in the function. This laboratory will facilitate in mass production of NPV of *Spodoptera litura* and *Heliothis armigera* to meet the requirement of mission mode project. Sri R.S.N. Rao, Principal Investigator of R&D Project of DBT explained the method of mass production of NPV to the participants.



Dr. Seema Wahab, PScO, DBT inaugurating the NPV laboratory at CTRI

INAUGURATION OF LAB CUM OFFICE COMPLEX AT CTRI RESEARCH STATION, JEELUGUMILLI

Sri K.Vidyadhara Rao, Hon'ble Minister for Agriculture, A.P. inaugurated a new laboratory cum office building constructed at a cost of Rs.14.65 lakhs on 26-3-95 and Smt. Kamala Kumari, Hon'ble Member of Parliament was the Chief Guest of the function. Dr. M.S.Chari presided over the function. Dr.T.Sitarmachary, Officer-in-charge, welcomed the gathering.

Dr.M.S.Chari, in his presidential address, briefed the achievements/progress made at the station and present status of the Northern Light Soil tobacco and its exports.

Smt. Kamala Kumari released the Telugu Bulletin on "Package of practices for tobacco grown in Northern light soils of A.P." on this occasion.



A view of New laboratory building of CTRI, RS, Jeelugumilli



Sri K. Vidyadhara Rao, Hon'ble Minister for Agriculture, A.P. inaugurating the laboratory of CTRI Research Station, Jeelugumilli. Smt. K. Kamala Kumari, Member of Parliament looking on



Smt. Kamala Kumari, Hon'ble Member of Parliament addressing the farmers at Jeelugumilli. A view of Tobacco Farmers attended

CTRI RESEARCH STATION, KANDUKUR

- ❑ Mycorrhizal inoculation of soil along with phosphorus application on 'P' deficient soil clearly indicated a saving of 25-30 P_2O_5 kg/ha.
- ❑ Seed treatment with Folotof 5 g/kg seed + two sprays of Bavistin 0.05% at 3rd and 5th week after sowing controlled anthracnose and frog eye spot disease and produced maximum number of seedlings (700/m²). Two days after rains, interculture both sides reduced black shank disease considerably and bright grade per cent was above 65 compared to interculture 4 or 5 days after rains or late interculture.

CTRI RESEARCH STATION, GUNTUR

- ❑ Relay cropping of Soybean - Red gram in Kharif-Rabi season appeared to be a suitable alternative to FCV tobacco.

TRANSFER OF TECHNOLOGY

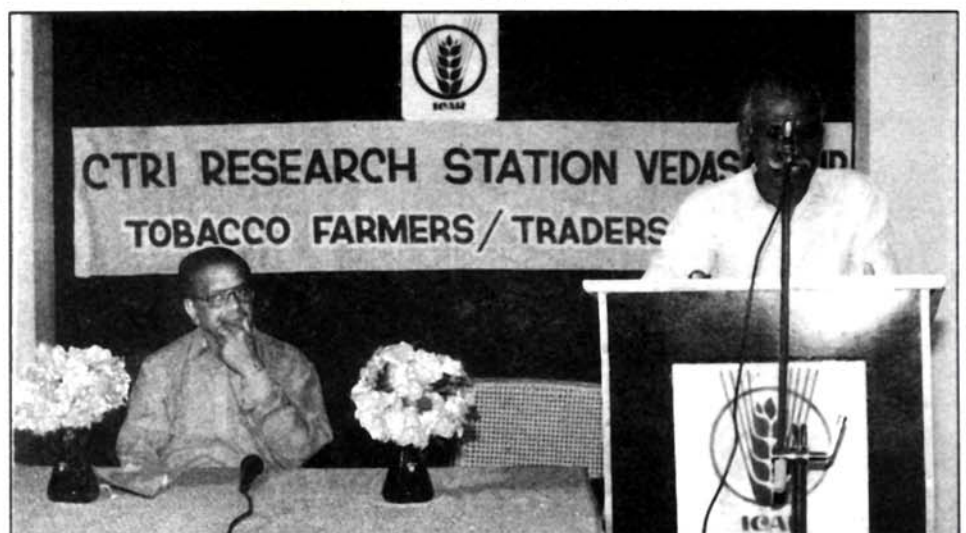
CTRI RESEARCH STATION, VEDASANDUR

Farmers cum Traders Meet

Tobacco Farmers cum traders meet was organised at the station on 15-2-95. More than 100 farmers cum traders participated in the meet. Dr. M.S.Chari, Director explained the current tobacco scenario and advised the farmers to adopt cost effective agrotechniques recommended by the

Institute and the Research Station to make tobacco cultivation more remunerative and exhorted the farmers to restrict the area under tobacco and concentrate more on improving the productivity per unit area.

- ❑ A group meet on Tobacco Production Technology was organised at Ayakaranpulam in Vedaranyam Taluk on 27-1-95. More than 70 tobacco farmers attended.



Dr. K. Palanichamy, Officer-in-Charge welcoming the farmers and traders

CTRI RESEARCH STATION, PUSA**Farmers Day**

Farmers Day was organised at the research station on 17-2-95 and about 800 farmers, extension workers and officials participated. Sri Uma Shankar Prasad Singh, an Educationist, Freedom fighter and a progressive farmer presided over the function. Dr. K.S. Chauhan, Vice-chancellor, Rajendra Agricultural University was the Chief Guest on the occasion. In his address Dr. Chauhan told that tobacco was an important source for foreign exchange earning and much attention should be paid for its quality improvement. He felicitated the scientists of the station who got the 1995 Dr.G.S.Murty award and Sri Jagannath Chowdary, progressive farmer for getting honour at National level during 1995 Tobacco Symposium at Rajahmundry.

Dr. K.D. Singh Officer-in-Charge while welcoming the gathering gave a brief sketch of important findings of research station since its inception. During the function prizes were distributed to the farmers and the tobacco shield for the best tobacco crop of the year was given to Sri Sheonath Chowdary of village Rupauli, Samastipur and the first prize for tobacco cured leaf was given to Sri Shreechand Mahto of

Begusarai, Samastipur. Dr.S.N. Tripathi, Sr. Scientist proposed vote of thanks.

**CTRI RESEARCH STATION, GUNTUR
Farmers Day**

Farmers Day was organised on 8-1-95 in collaboration with ASPEE - Bombay on "Plant Protection appliances - techniques in application" at this station. Dr.M.S.Chari presided over the function. Sri S.Babu Rao, JDA, was the Chief Guest, the other dignitaries present on the occasion were Sri K.V.S. Prakasa Rao, Director, RAMCOR AGRO Pvt. Ltd., Vijayawada, Dr. M.C. Sharma, Director, Biotech International, New Delhi and Heads of the Divisions, Dr. P. Harishu Kumar, Officer-in-charge while welcoming the gathering explained the various activities and achievements of the station. Dr. G. Raghupathi Rao exhibited and explained different plant protection appliances.

Kisan Mela

For the benefit of natu tobacco farmers of Gopavaram Village a Kisan Mela was organised by SAIL on 19-1-95. Dr. P. Harishu Kumar and Dr.P.V. Venugopala Rao attended and explained the different aspects of Natu tobacco cultivation to the farmers.

**VISITORS OBSERVATIONS AT CTRI
RESEARCH STATION, JEELUGUMILLI**

On the eve of inauguration of new laboratory building at this station, the following observations were made by Hon'ble Minister for Agriculture, A.P. and Hon'ble Member of Parliament.

It is encouraging to see the work done by CTRI in the field of tobacco. You have filled the gap as APAU is not in field of tobacco. Good quality seed leads to high quality and yield in tobacco. Keep it up.

Sri K.Vidyadhara Rao
Hon'ble Minister for
Agriculture
Govt. of A.P.
Jeelugumilli
26-3-95

Attended inaugural function of CTRI Research Station Jeelugumilli. I am happy to see the progress of Research Station done in the field of tobacco. I am wishing all the success to Research Station to continue the same in future.

Smt. K.Kamala Kumari
Hon'ble M.P.
Govt. of India.
Jeelugumilli
26-3-95

VISITORS**CTRI, RAJAHMUNDRY**

- 4-2-95 Sri P.L. Karna, Co-ordinator, NARC, NTRP, Nepal.
14-2-95 Dr. T.K.T. Acharya, Retd, Dean, P.G.Studies, Mahatma Phule Agric. University, Rahuri.
6-3-95 Dr. J.V.R.Singh, Vice Principal and Entomologist, APT, RARS, PALEM 502 915.

Visit appreciation. It has been to be fortunate to find a chance to visit this amazing Institute and I wish all the success for helping farmers.

Musa Adam
Rajahmundry Extn. Specialist
9-2-95 Kartoum, Sudan.



Farmers visit to CTRI farm, Katheru

CTRI, Research Institution, Kandukur



Dr. M.S. Chari with farmers at experimental farm, Kandukur

RADIO TALKS

- వ్యవసాయ రంగంలో మహిళలు నిర్వహించే పనులు.
an interview with Smt. V.V. Lakshmi Kumari by AIR, Visakhapatnam, 25-1-95.
- పురుగుమందులు వాడకంలో మెళుకువలు.
by Dr.G. Raghupathi Rao on AIR, Vijayawada 14-2-95.
- గ్రామీణ ప్రాంతాల్లో ఇండ్లలో ఇంచనం పాదుపు.
an interview with Smt. V.V.Lakshmi Kumari by AIR, Vijayawada, 21-2-95.
- మొక్కల నుండి వచ్చే పురుగు మందులు.
by Dr. P.S.N. Murty on AIR, Vijayawada, 23-2-95.
- పొగాకు పండించే వివిధ స్టాయిలలో పొగాకు వృధా కాకుండా ఉండడానికి కొన్ని సూచనలు.
by Sri S.K. Naidu on AIR, Visakhapatnam, 25-2-95.
- तम्बाकू फसल की देखभाल by Dr. K.D. Singh on AIR, Patna, 25-3-95.

CONFERENCES /WORKSHOPS

- Smt V.V. Lakshmi Kumari and Smt N. Aruna Kumari have attended National Workshop on Man Power Development in Extension organised by ISEE at NAARM, Hyderabad from 13-2-95 to 16-2-95.
- All Technical Officers of K.V.K. have participated in State Level Review meetings and presented Annual Report and also proposed the Action Plan from 1995-96.

APPOINTMENTS

Name	Grade	Place of Duty	Date
Smt. Y. Jayalakshmi	S.S. Gr.I	CTRI, RJY	13-3-1995
Sri G.S.N.Murthy	T-1	CTRI, RJY	21-3-1995
Sri Y. Venkateswara Rao	T-1	CTRI, RS, Jeelugumilli	25-3-1995
Sri G.Nageshkanth Rao	T-11-3	CTRI, RJY	27-3-1995
Sri N. Sreedhar	T-11-3	CTRI, RJY	29-3-1995

RETIREMENTS

Name	Grade	Reason	Date
Sri K. Narayanamurthy	Supdt.	Superannuation	31-1-1995
Sri V. Guruswamy	S.S.Gr.I	Superannuation	31-3-1995
Smt C. Kuppayye	S.S.Gr.I	Superannuation	31-3-1995

PAPERS PUBLISHED

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PRASADA RAO J.A.V. and M.S. Chari

వర్షానియా పొగాకులో కాల్షియం, మెగ్నీషియంల ప్రాధాన్యత. **Eenadu** E.G. Dist.. Edition 21-2-95

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RAMACHANDRAM, D., M. SANNIBABU, J.A.V. PRASADA RAO and M.C.M. REDDY
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KRISHI VIGYAN KENDRA

Special Training Programmes

□ Two special training programmes on crochet wire bag making and preparation of milk products were conducted to 34 rural youth females from Venkannapeta, Pallakadium and Govindarajapuram villages on 7-2-1995 and 4-3-1995.

□ Two training programmes on preparation of squashes and jams were conducted to 20 Urban Basic Services for Poor (UBSP) community and 15 rural youth female from Pallakadium village from 8-2-95 to 11-2-95 and 7-3-95 to 10-3-95 respectively.

□ Two months TRYSEM training programme on coir products was conducted to 24 Rural Youth from Govindarajapuram and Venkannapeta from 20-2-95 to 20-4-95.

□ Three weeks training programme on Mesta Fibre Products to 21 Rural Youth from Kapileswarapuram from 2-3-95 to 26-3-95.

Nineteen extension functionaries i.e. Veterinary Assistant Surgeons were trained in a Participatory Technology Development and field problem on 16-3-95.

Results of first-line Demonstration

In the varietal demonstrations conducted at Vangalapudi, Subhadram peta and Peraramachandra puram villages an average of 32% extra yields were recorded by growing high yielding varieties of groundnut viz. Girnar and Bree'er-3, 39% extra yield for YLM-11 (sesamum) 35% extra yield for LBG-402 (Black gram) and ML-267 (Green gram) over local varieties.

मुख्य घटनाएँ

★ “उच्च गुणवत्ता की श्वोज” के सम्बन्ध में भारतीय तम्बाकू विज्ञान सोसाइटी के दुवारा इस संस्थान में 1 फरवरी से 3 फरवरी तक राष्ट्रीय तम्बाकू परिसंवाद आयोजित किया गया। श्री.जी. बुच्चैया चौधरी, माननीय मन्त्री (2 किलो चावल योजना व नागरिक आपूर्ति) आन्ध्र प्रदेश सरकार ने दीप जलाकर परिसंवाद का उदघाटन किया। माननीय संसद सदस्य, राजमन्त्री, डा.के.वी. आर. चौधरी कार्यक्रम के मुख्य अतिथि थे। डा.जी.एम. रेड्डी, निदेशक, पादप मोलिक्यूलर जीव विज्ञान केन्द्र, डा.टी.एस. सुब्रमन्यम मैसर्स आई.टी.सी./ आई.एल.टी.डी., डा.ए.के.रहेजा, सहायक महानिदेशक, विज्ञान प्राप्त वैज्ञानिकों, विषय विशेषज्ञों एवं व्यापारियों ने इस परिसंवाद में भाग लिया।

★ इस अवसर पर डा.एम.एस.चारी, डा.बी.वी. रामकृष्णय्या, डा.पी.आर.एस. रेड्डी, डा.जे.ए.वी. प्रसादराव, डा.एस. अमरनाथ तथा डा.के.डी. सिंह को विभिन्न विषयों में शोध कार्य में उनके योगदान के लिए “डा.जी.एस. मूर्ती पारितोषिक” प्रदान किये गये। सस्य विज्ञान में शोध कार्य के लिए

डा.एम.एस.चारी, डा.पी. हरिषुकुमार, डा. आर.सिन्हा, श्री.सी.बी.शर्मा, श्री.एन.प्रभाकर राव, श्री.आर.एस.एन.राव, डा.यु. श्रीदर को “श्री देवप्पा पारितोषिक 1995” प्रदान किये गये। आइ.एस.टी.एस.कीओर से सर्वोत्तम पेपर के लिए श्री.आर.सुब्बाराव को स्वर्ण पदक प्रदान किया गया।

★ डा.सीमा वाहब, प्रधान वैज्ञानिक अधिकारी डी.बी.टी.के मिशन मोड परियोजना के अन्तर्गत एन.पी.वी. प्रयोगशाला का उदघाटन किया। डा. एम. एस. चारी डा.बी.के. त्रिपाठी, सहायक महानिदेशक (नकदी फसलें), डा. ए.के. रहेजा, सहायक महानिदेशक (कीट विज्ञान एवं जैवनियन्त्रण) ने कार्यक्रम में भाग लिया। इस प्रयोगशाला में स्पेडोपटैरा लिटुरा एवं हिलियोथिस आरमीगैरा से बड़े स्तर में परियोजना की आवश्यकता पूरा करने के लिए एन.पी.वी का निर्माण किया जायेगा।

★ सी.टी.आर.आई. अनुसंधान केन्द्र, जीलुगुमिल्ली में प्रयोग शाला एवं कार्यालय भवन का उदघाटन श्री के विद्याधर राव, माननीय कृषि मन्त्री, आन्ध्रप्रदेश ने दिनांक 26-3-95 को 14.65 की लागत

से बने प्रयोगशाला एवं कार्यालय भवन का उदघाटन किया और श्रीमति कमलकुमारी, संसद सदस्य कार्यक्रम की मुख्य अतिथि थी। डा.एम.एस. चारी ने कार्यक्रम की अध्यक्षता की।

★ सी.टी.आर.आई. अनुसंधान केन्द्र वेदसन्दूर में दिनांक 15-2-95 को किसानों एवं व्यापारियों का सम्मेलन आयोजित किया गया।

★ सी.टी.आर.आई. अनुसंधान केन्द्र पूसा, में दिनांक 15-2-95 को कृषक दिवस आयोजित किया गया जिसमें 800 किसानों, प्रसार कार्यकर्ताओं एवं कर्मचारियों में भग लिया। डा.के.एस. चौहान, उप-कलपति, राजोन्द्र कृषिविज्ञान विद्यालय, पुसा इस अवसर पर मुख्य अतिथि थे। डा.के.डी. सिंह, प्रभारी अधिकारी ने उपस्थित जनें का स्वागत किया। वर्ष की सब से अच्छी फसल उगाते के लिए समस्तीपुर जिले के रूपावली गाँव के श्री शिवनाथ चौधरी के तम्बाकू शीलड प्रदान की गयी। तम्बाकू के शोधित पतों के लिए प्रथम पुरस्कार समस्तीपुर जिले के बेगुसय के श्री श्रीचन्द महतों को दिया गया।

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 Reserch Institute, Rajahmundry - 533 105, INDIA.
Printed at NEW IMAGE GRAPHICS, VIJAYAWADA - 520 003, Ph : 0866-74961