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CENTRAL TOBACCO RESEARCH INSTITUTE

# Newsletter

**CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY-533 105**

## Dr. K.Deo Singh assumed charge as Director, CTRI



Dr. Kapil Deo Singh assumed charge as Director, Central Tobacco Research Institute, Rajahmundry on 26th April, 2001. Born on 7th January, 1944, Dr. Singh obtained his B.Sc.(Ag) and M.Sc.(Ag) Agronomy degrees from Banaras Hindu University, Varanasi and obtained Ph.D. degree in Agronomy with specialization in Soil and Water Management from Indian Agricultural Research Institute (IARI), New Delhi.

Dr. Singh started his career in 1967 as Lecturer in Agronomy at U.P. College (Gorakhpur University), Varanasi (U.P.). He joined ICAR service in 1968 as Senior Research Assistant (Agronomy) at Central Tuber Crops Research Institute (CTCRI), Trivendrum, and in 1971 he joined Central Tobacco Research Institute (CTRI), Rajahmundry as Junior Agronomist. He served in various capacities and rose to the position of Principal Scientist and Head, Division of Agronomy, CTRI in 1986. In August, 1990 he took over as Head, CTRI Research Station, Pusa in which capacity he served till he became Director of the Institute in April, 2001.

Dr. Singh worked as the Member, World Bank Team for evaluation of NARP Project Phase-I of RAU, Bihar, Pusa and Tobacco Board Regional Committee. He is Member of Research and Extension Advisory Committee, Rajendra Agricultural University, Bihar, Pusa. He was associated with post-graduate teaching programme of Rajendra Agricultural University, Bihar. He is serving as Chairman, Tobacco & Tobacco Products Sectional Committee (FAD-4), Bureau of Indian Standards, New Delhi; Member, Bihar Planning Board, Patna and Member, Institute Management Committee of DWMR (Now ICAR Research Complex for Eastern Region), WALMI, Patna. Recently, Dr. Singh was elected as the President, Indian Society of Tobacco Science, CTRI, Rajahmundry.

Dr. Singh distinguished himself by receiving Dr. G.S. Murthy Award and Gold Medal twice, in 1995 and 1998 and also conferred with the National Crop Research Award by the GAURAV Society of Agricultural Research Information Center (ARIC), Hissar in 1997 for his outstanding research contributions in tobacco and other crops.

Dr. Singh has more than 120 research papers to his credit, published in various Scientific Journals of National and International repute, including book chapters, popular articles and papers presented at national and International Symposia.

## RESEARCH HIGHLIGHTS

### CTRI, Rajahmundry

★ **Inheritance of host plant resistance to aphid** : Analysis of data collected on aphid infestation on  $F_1$  material involving four identified aphid / budworm resistant germplasm lines and three cultivars viz. VT 1158, 1099/2/4 and CM-12, grown in a line x tester design revealed non-significant differences between parents and crosses for the resistance.

★ **Interspecific hybridization** : Further selections were made for resistance to tobacco aphid among single plant derived progenies of interspecific crosses involving *N. gossei*, resistant donor, as one of the parents. On the basis of resistance, about 80 families were selected for further studies. Host plant resistance to tobacco aphid seems to be a quantitative trait.

★ **Breeding for high yield** : (a) Storage studies on cured leaf of high yielding pipeline variety, CY 79 revealed that colour deterioration, dryage losses and shattering were less in this line (b) The lines CY 125, CY 136, CY 137 and CY 142 registered significantly higher yields over check varieties and therefore were entered in AICRP multilocational trials (IVT) (c) Advanced burley breeding line, BSRB 2 performed well in on-farm trial as well as bulk trial at White Burley Tobacco Research Centre, Jeddangi (AP).

## DIRECTOR'S COLUMN

Dear Readers,

I deem it a privilege to have assumed the charge as Director of this prestigious Institute. It is my bounden duty to place on record the untiring efforts of my illustrious predecessors to give CTRI a preeminent position in the world of tobacco research. Concerted and intensified research efforts of Indian tobacco scientists resulted in outstanding research contributions in the fields of varietal improvement, disease and pest resistance, crop production technology including Integrated Nutrient Management, Integrated Pest and Disease Management, quality improvement, energy conservation, reduction of harmful constituents in smoke and alternative uses of tobacco.

However, certain national and international developments have direct or indirect bearing on the present tobacco situation and tobacco research in the country. Report of the Expert Committee on Economics of Tobacco use in India, constituted by the Ministry of Health, Government of India has emphasised the public health angle as critical to an approach towards tobacco use, even though the crop is making significant contribution in terms of excise revenue and foreign exchange. A bill has been introduced in the Parliament for prohibition of advertisement and regulation of trade and commerce, production,

supply and distribution of cigarettes and other tobacco products. The Framework Convention on Tobacco Control (FCTC), sponsored by the World Health Organization (WHO), is aimed to evolve an International legal instrument to circumscribe the global spread of tobacco and one of the



obligations suggested is "Gradually eliminate subsidies and government support for tobacco and promote alternative viable economic activities for tobacco growers, undertaking necessary research into alternative livelihoods and alternative uses for tobacco". The excess production and the carry-over stocks with the trade led to crop-holiday in Andhra Pradesh during 2000-2001. Another alarming feature is the decline in exports of FCV tobacco (84,000 tons in 1996 and 48,000 tons in 2000).

In this background, two recommendations of the Research Advisory Committee of CTRI, the Peer Group on tobacco, are highly relevant and require serious consideration by the scientific community working on tobacco : 1. Working out a policy to

minimize the effect of highly fluctuating tobacco trade by reducing the cost of cultivation, increasing productivity and improving quality and 2. The marketing aspects and price structure of the crop are to be considered as part of the research work. Also, due attention should be paid to the factors which influence exports of Indian tobacco in general and FCV tobacco in particular : the levels of pesticide residues & Tobacco Specific Nitrosamines (TSNA) and production of flavorful tobacco in selected areas by evolving suitable agro-techniques.

Thus, there is a need for application of innovative and modern techniques in conjunction with conventional approaches to develop cultivars with higher yield & desirable quality, greater insect & disease resistance, optimum levels of chemical constituents & physical attributes and lower levels of undesirable substances & agro-chemicals, while containing degradation of natural resources for sustainable production in the long range. I am confident that the talented group of scientists of this Institute, CTRI Research Stations, NRP(T) Centres, and ITC Ltd-ILTD Division will put in their best efforts to face the challenges.

( K. DEO SINGH )

## TRANSFER OF TECHNOLOGY

## CTRI, Rajahmundry

## Exhibition

An exhibition stall of CTRI was arranged at Aswaraopet, A.P. in the Agricultural Exhibition conducted by ANGRAU in connection with the college day on 8-5-2001. Hon'ble Ministers and large number of farmers participated in the function. CTRI Extension scientists and other scientists explained package of practices for tobacco production to the farmers.

## CTRI RS, Hunsur

## Farmers Meet

CTRI RS, Hunsur Scientists and Technical Officer attended a farmers meet on "Hybrid cotton and tobacco" organised by Lions Club, State Department of Agriculture and M/s Bayer (India) Ltd. at H.D. Kote. Dr. M.M. Shenoi gave a talk on "Advanced scientific technologies for cultivation of FCV tobacco in KLS".

## SYMPOSIA / CONFERENCES / WORKSHOPS / TRAININGS

- Dr. AVSR Swamy, Sr. Scientist and Head, CTRI RS, Jeelugumilli and Dr. N. Anuradha, Scientist, CTRI attended summer school on "Recent advances in agricultural research project management" conducted by NAARM, Hyderabad from 18th April to 8th May 2001.
- Dr. Satyajit Roy, Sr. Scientist and Dr. U. Sreedhar, Scientist (Sr.Scale) of CTRI participated in National workshop on "Updating of IPM package of practices and preparation of IPM package for fruit crops, tobacco, sugarcane, maize and coconut" held at National Plant Protection Training Institute, Hyderabad from 14-17th May, 2001.
- Dr. P.R.S. Reddy, Sr. Scientist and Team leader, IVLP Project attended the Annual Review Workshop meeting of IVLP at

CRIJAF, Barrackpur on 24th to 25th May 2001 and presented IVLP Annual Report for 2000-2001.

- Sri S. Jitendranath, Tech. Officer attended training programme on "Role of Panchayat Raj in Agriculture Development" at NIFD, Hyderabad from 28-5-2001 to 02-6-2001.
- Sri R. Sudhakar, Technical Officer attended a training programme on "Natural resource management" at APARD, Hyderabad from 11-6-2001 to 16-6-2001.
- Sri H. Ravi Sankar, Scientist has attended 1st National Conference on Agro-Informatics held at Department of Agronomy, UAS, Dharwad from 3-4 June, 2001 and presented a paper entitled "Software for fertility evaluation in FCV tobacco soils" by H. Ravisankar and Dr. V. Krishnamurthy.

## PAPERS PUBLISHED

- Aruna Kumari, N and Lakshmi Kumari, V.V. మేలైన పొద్దికాహారం - గోధుమ. Eenadu, Ryte Raju, 22-4-2001.
- Jitendranath, S. అపరాల సాగుతో భూసారం. Konaseema Voice. 23-4-2001.
- Jitendranath, S. వరినాటు యంత్రంతో అధిక దిగుబడి Konaseema Voice. 6-5-2001.
- Narsimha Rao, B. and Vijayaprasad, E. వేసవి కూరగాయల సాగులో మెళుకువలు. Eenadu, Ryte Raju. 12-5-2001.
- Narsimha Rao, B. and Harishu Kumar, P. మెట్ట ప్రాంతాలలో పొగాకుకు వరైన వ్రత్యామ్నాయ సెనగ సాగు Annadata, June 2001. p 48.
- Narsimha Rao, B. అంతర పంటగా అనాస సాగు లాభదాయకం. Eenadu. 13-6-2001.

## RADIO TALKS

- పొగాకు సాగుచేసే నల్లరేగడి భూముల్లో వేసవి సేద్యము. by Sri R. Subba Rao on AIR, Visakhapatnam, 14-4-2001.
- రోజు మనం వాడే ఆహార పదార్థాలలో పోషక విలువలు పెంపొందించడానికి చిట్కాలు by Smt. N. Aruna Kumari on AIR, Visakhapatnam, 17-4-2001.
- వేసవి కూరగాయల సాగులో మెళుకువలు by Sri B. Narsimha Rao on AIR, Visakhapatnam, 19-4-2001.
- చేతి వృత్తులలో శిక్షణ by Smt. N. Aruna Kumari on AIR, Visakhapatnam on 22-4-2001.
- వేరుశనగ అధిక దిగుబడులకు యాజమాన్య పద్ధతులు by Sri S. Jitendranath on AIR, Visakhapatnam on 18-5-2001.
- బద్లీపొగాకుపై పురుగులబెడద సమగ్ర సస్యరక్షణ by Sri S. sitaramaiah on AIR, Visakhapatnam on 25-5-2001.
- "Improved package of practices for tobacco cultivation" by Dr. K. Palanichamy on AIR, Madurai, 4-6-2001.
- అధిక ఆదాయానికి విస్తరాల తయారీ by Sri R. Sudhakar on AIR, Visakhapatnam on 5-6-2001.

## TV telecast

- పనసలో కాయకుళ్ళు నివారణ by Dr. B. Narsimha Rao, ETV, Annadata on 29-5-2001.
- బత్తాయి తోటలలో జింకు లోప నివారణ by Dr. B. Narsimha Rao, ETV, Annadata on 6-6-2001.

## OTHER ITEMS

### Higher receipts from CTRI RS, Hunsur

A total quantity of 920 kg seed of four varieties was distributed to the farmers at the Station. The total receipts from seed sale for the season is Rs 2,32,080/-. This Research Station during the period, 1st April, 2000 to 31st March, 2001 achieved an all time record with a total receipts of Rs 19,91,924/- through sale of tobacco seed and seedlings etc. This was possible only due to increase in productivity and favourable market.

### Invited Lectures

Dr. A.K. Singh, Project Director, Water Technology Centre, IARI, New Delhi and Dr. N.P. Singh, Former Professor of Agronomy, visited this Institute on 9th June, 2001 and gave a seminar talk on "Water management for sustaining agriculture production" and "Irrigation water quality and its rational use", respectively to the seminar group of this Institute.



Dr. K. Deo Singh discussing with Dr. A.K. Singh, Dr.N.P. Singh and others

### RETIREMENTS

Sri N.C. Deb, Techn. T-3, CTRI RS, Dinhata w.e.f. 30.04.01.

Sri A. Hanumantha Rao, Tech. Officer, w.e.f. 30.06.01.

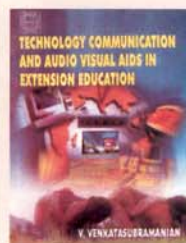
Sri T.K. Suryanarayana, Tech. Officer, w.e.f. 30.06.01.

Sri Shaik Abbasa, Techn. T-3, w.e.f. 30.06.01.

### OBITUARY

Sri M.V.V.S.S. Venkatacharyulu, Techn. T-4 expired on 09.06.01

### Books Published



A book on "Introduction to technology communication and audio visual aids" by Dr. V. Venkatasubramanian, Sr. Scientist (Ag. Extension), CTRI, Rajahmundry, published by New Century Book House (P) Ltd., Chennai, 2001. 274p. Rs.80/-



A manual on "Soil testing and irrigation water analysis for tobacco" by Dr. V. Krishnamurthy, Sr. Scientist, Div. of CC & SS and Dr. K. Nagarajan (Retd. Director) of this Institute, published by CTRI, Rajahmundry, 2001. 74p. Rs.50.

### VISITORS



Mr. Barry Dillehay, Operations Director, Mr. Geoff Anderson, AGM, Universal Leaf Asia (P) Ltd., Singapore and Mr. T. Surachai, AGM, Univ. Leaf Asia (P) Ltd., Guntur, Mr. T. Laxman Rao, Regional Manager (Leaf), M/s VST Industries Ltd., Guntur.



Dr. K. Deo Singh discussing with Mr. Colin A Bolden, Alkebury Ca Ltd., UK and others in group discussion

## KRISHI VIGYAN KENDRA

During the period under report a total of 31 on/off campus training programmes were conducted in agricultural and allied aspects. A total of 494 farmers, farm women and rural youth and extension functionaries participated in the training programmes.

### Long duration training programmes

Two months duration "Coir-2ply yarn and doormat making" was

started at Kaldari village of West Godavari district of A.P. from 18-6-2001 to 17-8-2001 for 20 trainees as a special programme.

### Extension functionaries training

Three extension functionaries training programmes on "Fodder production technologies and field problems" were conducted. Thirty veterinary assistant surgeons from Visakhapatnam, Srikakulam, Khammam and Medak districts of A.P. participated.



Dr. K. Deo Singh observing the Paddy row seeder and other agricultural implements at KVK



Village women working on New Palmyrah fibre separator

### TOBACCO BOARD FIXED THE FLUE-CURED TOBACCO CROP SIZE

- ❑ The Tobacco Board has fixed a crop size of 97.05 m kg for the states of A.P., Orissa and Maharashtra.
- ❑ The Board authorised crop size of 3,400 kg per barn in the NLS which had 7,391 barns which accounts for total production of 24.94 kg.
- ❑ The Board has permitted a crop of 2,500 kg per barn in SLS area which had 10555 barns which accounts for an estimated production of 26.38 m kg.
- ❑ As much as 3,300 kg per barn was allowed to be grown in the Southern Black Soils (SBS) with 10,168 barns. The quantity in the SBS area was estimated to be 33.55 m kg. Only 1,500 kg per barn was allowed in the Central Black Soils (CBS) and Northern Black Soils (NBS). Infact there are 11,757 barns in these areas, but Board authorised - crop of 12 m kg under 8,000 barns as the trade wanted only 8 m kg from these areas.
- ❑ For NLS, 3,500 kg per barn and 5.75 ac per barn were fixed. The registered farmer can grow 12 cents tobacco nursery per barn.
- ❑ The minimum guaranteed price being offered by the traders to the growers which will be ranging between Rs.28 to Rs.34-50/kg.

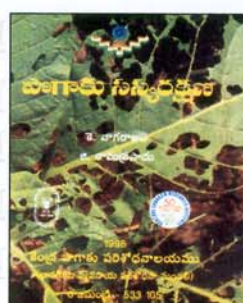
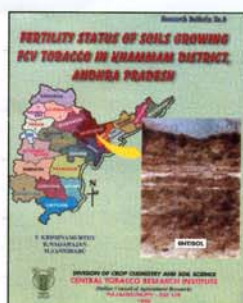
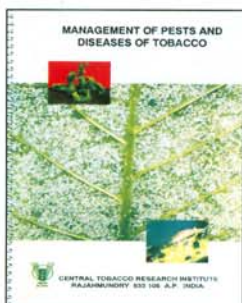
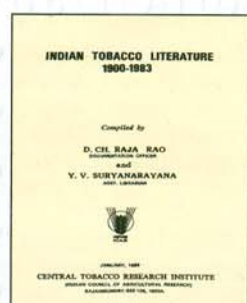
## CTRI PRICED PUBLICATONS

Name of the Publication	Price (Rs)	Name of the Publication	Price (Rs)
✦ Fertility Status of Soils Growing FCV Tobacco in Prakasam District, Andhra Pradesh By Suraj Bhan & N.C. Gopalachari Tech. Bull. No.1, 1978, 30p.	20/-	✦ Indian Tobacco Literature : 1984 By Y.V. Suryanarayana and D.Ch. Raja Rao 1988, 60 p.	25/-
✦ Fertility Status of Soils Growing FCV Tobacco in Nellore District, Andhra Pradesh By V. Krishnamurthy <i>et al.</i> Tech. Bull. No.2, 1979, 48p.	20/-	✦ Tobacco Production Technology 1989, 70 p.	30/-
✦ Fertility Status of Soils growing FCV Tobacco in West Godavari District, Andhra Pradesh By V. Krishnamurthy <i>et al.</i> Tech. Bull. No.3, 1979, 37p.	20/-	✦ Fertility Status of Soils Growing FCV tobacco in Mysore District, Karnataka. By V. Krishnamurthy <i>et al.</i> Res.Bul.No.7,1993,104p.	35/-
✦ Fertility Status of Soils Growing FCV tobacco in Guntur District , Andhra Pradesh By V. Krishnamurthy <i>et al.</i> Tech.Bul.No.4,1981, 46p.	25/-	✦ Management of Pests and Diseases of Tobacco By M.S. Chari and K. Nagarajan 1994, 48 p.	25/-
✦ Fertility Status of Soils Growing FCV tobacco in Krishna District, Andhra Pradesh. By V. Krishnamurthy <i>et al.</i> Tech .Bull .No.5,1983,53p.	25/-	✦ A Decade of Krishi Vigyan Kendra 1995, 41 p.	20/-
✦ Fertility Status of Soils Growing FCV tobacco in East Godavari District, Andhra Pradesh. By V. Krishnamurthy <i>et al.</i> Tech.Bul.No.6,1983,50p.	25/-	✦ Tobacco Varieties Released by CTRI By K.S.N. Murthy <i>et al.</i> 1995, 57 p.	25/-
✦ Tobacco in India. By N.C. Gopalachari, 1985, 92p	180/-	✦ Package of Practices for FCV Tobacco in Andhra Pradesh 1998, 57p.	20/-
✦ Indian Tobacco Literature 1900-1983 By D.Ch. Raja Rao and Y.V. Suryanarayana 1986, 240 p.	40/-	✦ Package of Practices for FCV Tobacco in Karnataka By M.M. Shenoi 1998, 57p.	20/-
		✦ Andhra Pradesh Lo Virginia Pogaku Saguku Yajamanya Padhathulu By J.A.V. Prasad Rao and A. Hanumantha Rao Telugu, 1998, 57 p.	10/-
		✦ Package of Practices for Wrapper, Filler, Jati and Motihari tobacco in North Bengal By P.V. Venugopala Rao 1998, 20p .	10/-

Name of the Publication	Price (Rs)	Name of the Publication	Price (Rs)
✦ Management Practices for HDBRG, Burley, Natu and Lanka Tobacco in Andhra Pradesh 1998, 50 p.	20/-	✦ CTRI and Research Stations Publications By Y.V. Suryanarayana <i>et al.</i> 1998, 107 p.	50/-
✦ Andhra Pradesh Lo HDBRG, Burley, Natu, Lanka pogaku yajamanya padhathulu Telugu, 1998, 53 p.	10/-	✦ Fertility Status of Soils Growing FCV tobacco in Khammam District, Andhra Pradesh. By V. Krishnamurthy <i>et al.</i> Tech.Bul.No.8,1999,104p.	35/-
✦ IPM in Groundnut Telugu, 1998, 16 p.	10/-	✦ Computer Applications in Agriculture-I By H. Ravi Sankar and C.R. Nageswara Rao 1999, 74 p.	25/-
✦ Management Practice for Chewing and Hookah tobacco in Bihar By K.D. Singh and S. Amarnath 1998, 14 p.	10/-	✦ A Manual on Soil Testing and Irrigation Water Analysis for Tobacco 2001, 74 p. V. Krishnamurthy and K. Nagarajan	50/-
✦ Flue-cured Tobacco Production Package for Andhra Pradesh By S.K. Naidu and T. Krishnamurthy 1998, 26 p.	10/-	✦ Soil Testing	15/-
✦ Pogaku Sasyarakshna By K. Nagarajan and G. Rama Prasad Telugu, 1998, 30 p.	5/-	✦ Irrigation Water Analysis	10/-

Postage extra

For obtaining the above publications, please write to The Director, CTRI, Rajahmundry - 533 105, A.P., India



## केन्द्रीय तम्बाकू अनुसंधान संस्थान समाचार पत्रांक, अप्रैल-जून, 2001

### डा. के.देव सिंह ने केन्द्रीय तम्बाकू अनुसंधान संस्थान के निदेशक का पद-भार ग्रहण किया

डा. के.देव सिंह ने केन्द्रीय तम्बाकू अनुसंधान संस्थान, राजमंद्री के निदेशक का पद भार 26 अप्रैल 2001 को ग्रहण किया। उन्होंने भारतीय कृषि अनुसंधान परिषद की सेवा 1968 में वरिष्ठ अनुसंधान सहायक (सस्य विज्ञान) के रूप में केन्द्रीय कन्दमूल फसल अनुसंधान संस्थान, तिरुवनंतपुरम से प्रारंभ किया। सन् 1971 में उन्होंने केन्द्रीय तम्बाकू अनुसंधान संस्थान (सी.टी.आर.आई.), राजमंद्री में सस्य वैज्ञानिक के पद पर कार्यग्रहण किया। उन्होंने विभिन्न पदों पर सेवा करते हुए सन् 1986 में प्रधान वैज्ञानिक एवं सभाग प्रमुख (विभागाध्यक्ष), सस्य विज्ञान सभाग, सी.टी.आर.आई., राजमंद्री का पद भार ग्रहण किया। अगस्त 1990 में उन्होंने सी.टी.आर.आई. अनुसंधान केन्द्र, पूसा में प्रधान वैज्ञानिक एवं अध्यक्ष का पद भार संभाला। अप्रैल 2001 में उन्होंने केन्द्रीय तम्बाकू अनुसंधान संस्थान, राजमंद्री के निदेशक का पद भार ग्रहण किया। डा. सिंह को उनके विशिष्ट अनुसंधान उपलब्धियों के लिए 1995 तथा 1998 में डा. जी.एस.मूर्ति पुरस्कार तथा 1997 में राष्ट्रीय फसल अनुसंधान पुरस्कार से सम्मानित किया गया। डा. सिंह ने 120 से ज्यादा शोधपत्र प्रख्यात वैज्ञानिक पत्रिकाओं में प्रकाशित किया। डा. सिंह विश्व बैंक समिति के सदस्य के रूप में राजेन्द्र कृषि विश्वविद्यालय अनुसंधान परियोजना का निरीक्षण किया। हालही में डा. सिंह को भारतीय तम्बाकू विज्ञान समिति, सी.टी.आर.आई., राजमंद्री के अध्यक्ष पद के लिए सर्व सम्मती से निर्वाचित किया गया।

### अनुसंधान की झलक

अंतर समूह संकरण कार्यक्रम के अंदर वंशगति एक लाइन परीक्षक दांचे के अंदर एक लाइन प्रतिचालित किस्म का चयन किया गया जिसमें अंतर सामूहिक अवरोधकदायी लाइन एन. गोसाईं को एक पैत्रिकदाता के रूप में इस्तमाल किया गया।

अधिक ऊपज देनेवाली विकसित किस्म सी.वाई.79 के सिझाए गये (क्यूड) पत्तों के भंडारण अध्ययन से पता चला की इस किस्म के अंदर भंडारण जनित नुकसान एवं पत्तों के बिखराव को प्रवृत्ती कम है। नई विकसित किस्म (लाइन) सी.वाई.135, सी.वाई.136, सी.वाई.137 तथा सी.वाई.142 के अंदर चेक प्रभेद की तुलना में अधिक ऊपज क्षमता पायी गयी तथा इन लाइनों को अखिल भारतीय समन्वय अनुसंधान परियोजना

के अंतरगत मल्टीलोकेशनल परीक्षण (आई.वी.टी.) में शामिल किया गया। विकसित बर्ली प्रजनन लाइन बी.एस.आर.बी.2 का बर्ली तम्बाकू अनुसंधान केन्द्र, जेडुगी तथा बाह्य प्रक्षेत्र परीक्षण में अच्छा प्रदर्शन रहा।

### प्रदर्शनी

केन्द्रीय तम्बाकू अनुसंधान संस्थान ने आचार्य एन.जी.रंगा कृषि विश्वविद्यालय द्वारा अश्वरावपेट में विद्यालय दिवस के उपलक्ष्य में आयोजित 8.5.2001 के कृषक प्रदर्शनी में भाग लिया। इस प्रदर्शनी में माननीय प्रांतीय मंत्रीगण के अलावा अधिक संख्या में कृषकों ने भाग लिया।

### कृषक सभा

प्रांतीय कृषि विभाग, लायन्स क्लब, मेसर्स बेयर इंडिया लिमिटेड द्वारा संकर कपास एवं तम्बाकू के ऊपर हेच.डी.कोटे में आयोजित कृषक सभा में केन्द्रीय तम्बाकू अनुसंधान संस्थान अनुसंधान केन्द्र, हुणसूर के वैज्ञानिकों तथा तकनीकी अधिकारियों ने भाग लिया। तम्बाकू अनुसंधान केन्द्र, हुणसूर के प्रधान वैज्ञानिक एवं अध्यक्ष डा. एम.एम. शेनाय ने कर्नाटक प्रांत में वर्जीनिया तम्बाकू को खेती की आधुनिक तकनीक के विषय में जानकारी दी।

### अन्य विषय वस्तु

केन्द्रीय तम्बाकू अनुसंधान संस्थान अनुसंधान केन्द्र, हुणसूर द्वारा तम्बाकू की चार प्रमुख किस्मों के 920 किलो बीज का किसानों में वितरण किया गया जिससे ₹2,32,080/- की आमदनी हुई।

डा. अनिल कुमार सिंह, परियोजना निदेशक, जल प्रयोगिकी केन्द्र, भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली डा. नारायणी प्रसाद सिंह, पूर्व प्रधान वैज्ञानिक (सस्य विज्ञान), डा. यादव तथा डा. सुबेदार सिंह, वरीय वैज्ञानिक के साथ 9 जून 2001 को संस्थान का अवलोकन किया तथा उन्होंने दूरगामी कृषि उत्पादन में जल प्रबंध तथा सिंचाई जल की गुणवत्ता एवं सदुपयोग के ऊपर सेमिनार समूह के समक्ष भाषण दिया।

डा. वी. वेकट सुब्रमनियन, वरीय वैज्ञानिक (कृषि प्रसार) द्वारा लिखित पुस्तक "इंट्रोडक्शन टू तकनोलाजी कम्प्यूनिवेशन" तथा डा. वी. कृष्णमूर्ति एवं डा. के. नागराजन द्वारा लिखित पुस्तक "ए मेनुअल आन सायल टेस्टिंग ऐण्ड इंग्रेशन वाटर एनालिसिस फार टुबाको" का प्रकाशन किया गया।

संस्थान के 6 वैज्ञानिकों ने विभिन्न विषयों पर आयोजित राष्ट्रीय संगोष्ठी में भाग लिया तथा शोध पत्र प्रस्तुत किये। इसके अतिरिक्त संस्थान के 6 वैज्ञानिकों एवं तकनीकी अधिकारियों ने विभिन्न स्थानीय भाषाओं की पत्रिकाओं में प्रपत्र प्रकाशित किये। संस्था के 8 वैज्ञानिकों तथा तकनीकी अधिकारियों द्वारा किसानों के लाभ हेतु दी गयी तकनीकी वार्ता आकाशवाणी, विजयवाडा तथा विशाखपट्टणम से प्रसारित की गयी। इस अवधि में यू.के. तथा सिंगापुर के कुछ विशिष्ट विदेशी पर्यवेक्षकों ने संस्थान का आलोकन किया तथा संस्था के वैज्ञानिकों के साथ संगोष्ठी की जिसमें डा. के. देव सिंह, निदेशक, केन्द्रीय तम्बाकू अनुसंधान संस्थान ने संस्था के विभिन्न गतिविधियों के ऊपर प्रकाश डाला।

### पुस्तकालय आधुनिकीकरण

संस्थान के पुस्तकालय में पाठकों की विशेष सुविधा के लिए वातानुकूलित पठन-कक्ष का उद्घाटन तारीख 26 अप्रैल, 2001 को सी.टी.आर.आई. के निदेशक डा. के. देव सिंह द्वारा किया गया।

### कृषि विज्ञान केन्द्र

संस्था के कृषि विज्ञान केन्द्र, कलवचर्ला के अधिकारियों ने कृषि विज्ञान केन्द्र प्रांगण के अंदर एवं बाहर किसानों के फायदे के लिए कृषि, पशुपालन एवं अन्य विषयों पर कुल मिलाकर 31 प्रशिक्षण कार्यक्रम आयोजित किया जिसमें लगभग 500 महिला एवं पुरुष कृषक, ग्रामीण नव युवक बूंद एवं प्रसार कार्यकर्ताओं ने भाग लिया।

पश्चिम गोदावरी के कालदारी गांव में 2 महीने अवधि का (18.6.2001 से 7.8.2001) 20 प्रशिक्षणार्थियों के लिए नारियल के रेशे पर आधारित विभिन्न उत्पादों के प्रशिक्षण के लिए एक विशेष कार्यक्रम आयोजित किया गया।

संस्था के कृषि विज्ञान केन्द्र ने प्रसार कार्यकर्ताओं के लिए चारा उत्पादन तकनीक तथा उससे संबंधित क्षेत्र समस्याओं के ऊपर 3 प्रशिक्षण कार्यक्रमों का आयोजन किया।

प्रांत के विभिन्न क्षेत्रों यथा विशाखपट्टणम, श्रीकाकुलम, खम्मम तथा मेदक से आये 30 सहायक पशु चिकित्सकों / सर्जनों को पशु चिकित्सा संबंधी विशेष प्रशिक्षण केन्द्र के पशु चिकित्सकों द्वारा प्रदान किया गया।

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