



# समाचार Newsletter

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## Central Tobacco Research Institute

### CONGRATULATIONS



The Director and staff of CTRI congratulate Dr. R.S. Paroda, Secretary DARE and DG, ICAR for having been conferred **Padma Bhushan** by His Excellency, the President of India. Dr. Paroda has made significant contributions in the area of plant breeding for the improvement of wheat, forage crops, crops of the semi-arid region, genetic resources, germplasm related property rights etc. He has served the ICAR/SAU system in several capacities. He was the chief of the FAO's Regional Plant Production and Protection office, Bangkok, Thailand. He is a teacher, professor, manager, planner, executor par excellence and a great visionary. He was instrumental in modernising the functional style of ICAR. It is an achievement as well as recognition of efforts made by Dr. Paroda in streamlining and reorienting the agricultural research in India through his dynamic leadership and able guidance. We wish him several such laurels and a long service for the development of Indian Agriculture.

### 1998 TOBACCO SYMPOSIUM

The Indian Society of Tobacco Science (ISTS) has conducted National Symposium at the Central Tobacco Research Institute, Rajahmundry from Jan. 20-23, 1998. The theme of the symposium was "Indian Tobacco - Problems and Prospects". Two hundred and seventy two delegates from tobacco scientific community, officials from Tobacco Board, Tobacco Development Council, Tobacco Industry and Tobacco farmers participated in the symposium. Delegates from Mauritius and Nepal also attended. Dr. A.M. Narula, Sr. Scientist (CC) represented ICAR, New Delhi.

Dr. I.V. Subba Rao, Vice-chancellor, Acharya N.G. Ranga Agricultural University inaugurated the symposium. In his inaugural address, Dr. Rao observed that for various reasons India no longer occupied the premier position in tobacco industry and trade that it once occupied and has been facing stiff competition from number of countries. He underscored the need to improve productivity as we are far behind other tobacco growing

countries. He emphasised that both research and extension scientists should work hand in hand as part of the National Agricultural Technological Scheme being formulated by ICAR with World Bank aid. He also said, microlevel research, transforming scientific facts into technology and steps to bring down the crop investment by farmers for maintaining qualitative yield is the need of the hour for which scientists should gear up the technology.

Dr. T.S. Subramaniam, Chief Scientist, ITC Ltd., ILTD Div., Rajahmundry introduced the theme of the symposium and asserted that the Indian tobacco is in a unique position in view of the competitive price being offered and Karnataka is producing the best neutral filler tobacco. He opined that productivity of the Indian FCV tobacco is low, about 1400 kg/ha as compared to 2300-2700 kg/ha in other countries. Scientists have developed technologies to improve the Black soil tobacco yield from 800 to Dr. K. Nagarajan and Dr. M. Padidam for the



Dr. K. Nagarajan, Dr. H.D. Papenfus, Dr. I.V. Subba Rao, Dr. B.S. Krishnamurthy

1400 kg/ha and it should be further increased with concomitant reduction in cost of production so as to make it more competitive in the world market.

Dr. Henri D. Papenfus, President, Scientific Commission, CORESTA, France presided over the function and exhorted the Indian scientists engaged in tobacco research to gear up their activities to enhance the quality of Indian tobacco taking the International scenario into consideration.

Dr. B.S. Krishna Murthy, President, Indian Tobacco Association suggested that training should be imparted to the farmers in the new technologies and their adoption should be ensured. Dr. Murthy informed that China posed a potential threat to the Indian Tobacco Industry and efforts should be made to face this challenge.

Dr. K. Nagarajan, Director, CTRI and President, ISTS welcomed delegates to the Symposium. In his welcome address, Dr. Nagarajan informed that the symposium will be of much importance as it will deliberate on Indian tobacco problems and prospects in the wake of several problems faced by the tobacco growers. He also emphasised that tobacco scientists have to suitably change/modify their research priorities in view of the world wide anti-tobacco campaign which is gaining momentum.

Dr. P.R.S. Reddy, Sr. Scientist and Secretary, ISTS proposed vote of thanks.

Invited lectures were delivered by eminent persons in tobacco research and industry for the benefit of scientific community. Out of 210 research papers received from all over India in different disciplines 54 papers were presented in the oral session and 56 in poster session.

A souvenir containing articles from eminent tobacco scientists from India and abroad specially prepared for the 1998 Tobacco Symposium was released by Dr. B.S. Krishnamurthy. CTRI Annual Report and Package of Practices of Tobacco (in Telugu) were released by Dr. I.V. Subba Rao.

The following awards instituted by eminent tobacco scientists were presented during the symposium for the **Best Research Papers**.

□ Dr. G.S. Murthy Award for outstanding research contribution in Genetics & Plant Breeding of FCV tobacco was given to Dr. T. Venkateswarlu, Sri G. Ramaprasad,

paper entitled "Development of transgenic tobacco cultivars toxic to *Heliothis armigera* and *Spodoptera litura*."

□ Sri K. Devappa award for outstanding research contribution in Agronomy, extension and statistics for all types of tobacco was given to Dr. P.R.S. Reddy, Dr. C.C.S. Rao, Dr. V. Krishnamurthy, Dr. B.V. Ramakrishnaya, Sri K.S.N. Murthy, Dr. P. Harishu Kumar, Sri M. Umamaheswara Rao and Sri N.S. Murthy for the paper entitled "Effect of omission of phosphorus and potassium in the fertilizer schedule for flue-cured tobacco crop in vertisols of A.P."

□ Dr. G.J. Patel Award for outstanding research contribution in Plant Protection for FCV tobacco was given to Sri G. Ramaprasad, Sri S. Sitaramaiah, Dr. K. Nagarajan, Dr. U. Sreedhar, Sri S. Gunneswara Rao, Sri R.S.N. Rao and Dr. M.S. Chari for the paper entitled "Integrated pest management of *Spodoptera litura* F. and *Heliothis armigera* Hb. with biological control agents in coastal Andhra Pradesh".

□ Nirmal Award for outstanding research contribution in chemistry and soil science for all types of tobacco was shared by

(i) Dr. S.R. Prabhu, Dr. C.V. Narasimha Rao, Dr. K. Siva Raju and Sri D.G. Kumar for the paper entitled "Prospects of growing tobacco for phytochemicals".

(ii) Dr. C. Chandrasekhara Rao and Dr. P.R.S. Reddy for the paper entitled "Investigations on leaching losses of Nitrogen in NLS of Andhra Pradesh".

□ Dr. G.S. Murthy Award (Non-FCV tobacco) for outstanding research contribution in all disciplines of non-FCV tobacco was given to Dr. K.D. Singh, Dr. S.N. Tripathi and Sri A.K. Pandey for the paper entitled "Studies on feasibility and economic viability of some chewing tobacco based inter cropping system under North Bihar conditions."

□ ITA Award for outstanding research contribution in Agronomy of FCV tobacco was given to Dr. J.A.V. Prasad Rao, Sri D. Ramachandram, Dr. P.R.S. Reddy, Dr. C. Chandrasekhara Rao, Sri M. Sannibabu, Dr. M.S. Chari, Dr. Ch. Sreeramamurthy, Sri M. Someswara Rao and Sri K.S.N. Murthy for the paper entitled "Nitrogen requirement of different varieties of flue-cured tobacco grown in NLS of A.P."

□ ISTS Gold Medal for the best paper presented at the Symposium was shared by

(i) Dr. M.M. Shenoi for presentation of the paper "Score 25% EC, a triazole compound for the control of anthracnose in FCV tobacco nurseries".

(ii) Dr. A.S. Kumara Swamy for the presentation of the paper "Optimization of design parameters of FCV tobacco curing barn".

The donors of the awards were also felicitated by Dr. I.V. Subba Rao and Dr. Papenfus.

Indian Society of Tobacco Science has conferred FELLOW OF INDIAN SOCIETY OF TOBACCO SCIENCE (FISTS) for the outstanding contribution in tobacco to the following ISTS members during the inaugural function.

Dr. B.V. Ramakrishnaya  
Dr. T.D. Prasada Rao  
Dr. R. Lakshminarayana  
Sri G. Ramaprasad  
Dr. D.J. Patel  
Dr. J.A.V. Prasad Rao  
Sri G.S.B. Prasannasimha Rao  
Sri A.T. Muddappa  
Sri M. Umamaheswara Rao  
Dr. V. Krishnamurthy



**RESEARCH FINDINGS**

**CTRI, Rajahmundry**

Performance of FCV entries V-3569 and 1099/214 in on farm trials in Bhadrachalam area was good and farmers are interested in their early release.

**CTRI Res. Stn., Hunsur**

□ The pipeline variety FCH 6534 gave maximum green leaf and cured leaf yields with nitrogen dose of 60 kg/ha and topping at 18 leaves level.

□ NLS-1 produced maximum cured leaf yield of 1818 kg/ha whereas NLS-4 produced maximum green leaf yield of 12,934 kg/ha.

**Farmers visit to CTRI**

(i) On 4.2.98 sixty farmers each from SLS and SBS zones visited CTRI (ii) sixty farmers from CBS zone visited CTRI farm, Laboratories and Museum on 29.1.98. Sri S.K. Naidu and Sri T. Krishnamurthy explained the R&D activities to them.

**Kisan Mela**

□ Ten scientists from CTRI participated in Kisan Mela at Koyyalagudem, organised by Steel Authority of India Ltd., Vijayawada. An exhibition was also arranged on tobacco production technology on 7.1.98 for the farmers benefit. Nearly 250 farmers from NLS region attended the programme.

**TRANSFER OF TECHNOLOGY**

**CTRI, Rajahmundry**

**TRAINING PROGRAMMES**

Date	Scientists participated	Programme details	Trainees	Place
28.1.98	Sri M. Sannibabu	Tobacco harvesting, curing and grading	Tobacco Board field staff & 50 farmers	Devarapalli Organised by Tob. Board
3.2.98	Sri M.U.Rao Sri R.Subba Rao Sri S.K. Naidu	"	Tobacco Board field staff & 100 farmers	Katheru Organised by Tob. Board
6.2.98	Dr.V.Krishnamurthy Sri M.Sannibabu Sri S.K. Naidu	"	Tobacco Board field staff & 40 farmers	Chodavaram Organised by Tob. Board
9.2.98	Sri M. Sannibabu	Tobacco production technology	Professor and 5 Ph.D. scholars of Ag. College, Tirupathi	Rajahmundry Organised by C.T.R.I.

□ Sri S. Sitaramaiah, Sri R. Subba Rao, Sri A.I. Narayanan, Dr. V. Krishnamurthy and Sri S.K. Naidu participated in Kisan Mela at Rangampeta, E.G.Dt., A.P., organised by Steel Authority of India, Vizag on 8.1.98. Nearly 100 farmers participated and interacted with scientists.

□ Dr. V. Krishnamurthy and Sri M. Sannibabu attended the Field Day at Devarapalli, W.G.Dt., organised by Tobacco Board on 26.2.98.

□ Sri R. Subba Rao, Sri S.K. Naidu and Dr. U. Sreedhar participated in Farmers Meet at Pochavaram, W.G.Dt., organised by SBI, Agric Development Branch, Prakkilanka, W.G.Dt. and gave lectures on improved tobacco production technology on 28.2.98.

**Scientists visit to Brown Spot damage area**

Sri G.S.B. Prasannasimha Rao, Sr. Scientist along with a team visited tobacco plots affected with Brown Spot in Guntur tract during 1st week of January, 98 and advised farmers to take suitable action to control the damage.

**Scientists visit to Nellore and Prakasam Districts**

Sri R. Sreenivasulu, Sri V. Venkateswarlu from CTRI Res. Stn., Kandukur, Dr. K. Nageswara Rao from CTRI, Rajahmundry and Dr. G. Raghupathi Rao from CTRI Res. Stn., Guntur studied the problems of tobacco farmers due to heavy rains in Nellore and Prakasam districts of A.P. during January 1-3, 1998 and suggested remedial measures.



Sri R. Subba Rao, Dr. U. Sreedhar, Sri S.K. Naidu, Sri R.V. Rao



Sri P. Bangaraju, Sri K. Jayachandra Reddy, Dr. V.Krishnamurthy, Sri M. Sannibabu & Sri S.K. Naidu

## CTRI Research Station, Hunsur

## FARMERS TRAINING PROGRAMMES

Date	No. of Farmers	Training Location	Scientists attended
28.2.98	150	CTRI Res. Stn., Hunsur	
06.3.98	50	Shigavali Village (K.R.Nagar)	
07.3.98	75	Hoskote	Dr.M.M.Shenoi
11.3.98	80	Panchavalli (Periyapatna)	S.M.Viswanath
17.3.98	80	Doddabailu	K.N.Subrahmanya
18.3.98	80	Kodiga (Somwarpeta)	S.Ramesh
20.3.98	80	Bettadapura (Periyapatna)	Ch.Mahadeva

## CTRI Research Station, Kandukur

## FARMERS TRAINING PROGRAMMES

Date	Scientists participated	Village	Organised by
24.2.98	Sri V.Venkateswarlu Dr. J.V. Prasad	Obannapalem	Tobacco Board, Ongole
27.2.98	Sri V.Venkateswarlu	Naguluppala padu	Tobacco Board, Tangutur
3.3.98	Sri V.Venkateswarlu	Kondepe	Tobacco Board, Tangutur
5.3.98	Sri R.Srinivasulu	Kalavalla	Tobacco Board, Kandukur
11.3.98	Sri R.Srinivasulu Dr.J.V. Prasad	Karumanchi	Pinakini Grameena Bank & Vikas voluntary vahini

## Scientists visit to SLS area

Sri R. Sreenivasulu and Sri V. Venkateswarlu took part in Inter Agency

Committee for Southern Region and visited SLS areas and suggested the remedial measures to affected crop due to heavy rains.



Dr. R. Srinivasulu and Dr. J.V. Prasad inspecting farmers field at Karumanchi



Dr. P. Harishu Kumar explaining crop growth in the farm at CTRI Research Station, Guntur to Dr. K. Nagarajan

## Sale of seed at CTRI RS., Hunsur

About 260 kg of pure Bhavya seed was sold to about 4500 registered farmers during this period.

## SYMPOSIA/WORKSHOPS

□ Heads of Divisions/Stations, Sr. Scientists and Technical Officers of CTRI and CTRI Res. Stn., Guntur and Hunsur associated with AICRP Projects attended XVI AICRP Tobacco Workshop held at U.A.S., Dharwad from 9-21 Feb., 1998.

□ Dr. T. Venkateswarlu, Sr. Scientist and Dr. U. Sreedhar, Scientist (S.S.) participated in the seminar organised by Govt. College and Environmental Society, Rajahmundry from 25-26 Mar., 1998 and presented scientific papers.

□ G.S.B. Prasannasimha Rao, Sr. Scientist attended sub-committee meeting of Tobacco Board at Guntur on market intelligence on 9.1.98.

## CTRI Res. Stn., Pusa

□ Dr. K.D. Singh and Dr. S. Amarnath attended XVI Tobacco Workshop at UAS, Dharwad on 19-21 Feb., 1998.

□ Dr. K.D. Singh attended Krishak Samaroh and Krishak Gosti at Tihut College of Agri., Dholi and delivered a lecture on tobacco production on 23.3.98.

**RADIO TALKS**

▣ వానపాములతో జీవన ఎరువు. By Mrs. N. Arunakumari on AIR, Vijayawada, 7.1.98.

▣ పొగాకు రెలుపు - తదుపరి జాగ్రత్తలు. By Sri G.S.B. Prasannasimha Rao on AIR, Vijayawada, 10.1.98.

▣ Care of tobacco crop (Tambaku phasal ki dekh rekh). By Dr. K.D. Singh on AIR, Darbanga, 14.1.98.

▣ Incorporation of disease resistance in tobacco varieties. By Dr. T. Venkateswarlu on AIR, Visakhapatnam, 18.2.98.

▣ రోగ నిరోధక శక్తి గల పొగాకు వంగడాల తయారీ - ఆవశ్యకత. By Dr. T. Venkateswarlu on AIR, Visakhapatnam, 25.2.98.

▣ చేత వ్యత్యల ద్వారా ఉపాధి. By Smt. Satyavathi, a KVK beneficiary on AIR, Vijayawada, 2.3.98.

▣ సూనె గింజల అభివృద్ధి పథకం. Interview with K.V.K. beneficiaries on AIR, Vijayawada, 8.3.98.

▣ The science of tobacco ratoon crop and mixed cropping in tobacco (Tambaku ki dongi phasal aur sath ki mistrit kheti ka vigan). By Dr. K.D. Singh on AIR, Patna, 20.3.98.

▣ పొగాకు పండించే భూములలో భూసార పరీక్ష - ఆవశ్యకత. By Dr. V. Krishnamurthy on AIR, Visakhapatnam, 23.3.98.

**PAPERS PUBLISHED**

PRASANNASIMHA RAO, G.S.B. నల్లరేగడి నేలలకు అనువైన వర్షానియా పొగాకు వంగడములు. Mana Rytu Vani, March, 1998. pp.12-3.

SITARAMAIAH, S., G. RAMAPRASAD, U. SREEDHAR and S. GUNNESWARA RAO. సమగ్ర సస్యరక్షణలో పక్షుల పాత్ర. Rytu Raju, Eenadu, 8.3.98.

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NAGARAJAN, K. and J.A.V. PRASAD RAO. వర్షానియా పొగాకు అభివృద్ధిలో ప్రగతి. తెలుగు అనుబంధ పత్రిక:జీవశాస్త్రాలు. 3(6):116-27, 1997.

SURYANARAYANA, Y.V., M. RAMAM and Md. ELIAS (Comp.). CTRI and its research stations publications. CTRI, Rajahmundry. 1998. 107p.

NAGARAJAN, K and G. RAMAPRASAD. పొగాకు సస్యరక్షణ. 1998. 30 p.

**OTHER ACTIVITIES**

**NRDC Award to KVK, Rajahmundry**

National Research Development Council (NRDC), New Delhi, under its Invention Promotion Programme announced **NRDC Republic Day Award 1998** for the "Palmyrah fibre extractor" developed by Sri I. Srinivas, Sri R. Sudhakar and Dr. K. Nagarajan. The award consists of a certificate of merit along with a cash award of Rs.10,000/-. This is a significant achievement of CTRI in the Golden Jubilee year.

**Congratulations.**

**CTRI Employees Co-operative Credit Society Awards**

Gold medals were awarded by CTRI Employees Co-operative Credit Society, Rajahmundry to Mr. K. Sudhakar, S/o. Sri K.P.S.N. Murthy and Kum. M. Sirisha, D/o. Smt. V.V. Lakshmi Kumari for maximum marks secured in Intermediate and Kum. Ch. Sailaja, D/o. Ch. SriRama Rao and Kum. N. Rupalatha, D/o. Sri N. Syam Prasad for maximum marks in 10th class among the children of CTRI Staff for the year 1997.

**Congratulations.**

**Cash Award**

Sri D. Balakrishna, Tech. T-1 was granted a cash award of Rs.400/- on 10.2.98 for passing Hindi praveen exam conducted by Dept. of Official Language, Min. of Home affairs, in Nov. '95.

**Congratulations.**

**IJSC**

Sri Md. Bajuddin, Techn. T-II-3, IJSC member has been elected as a member to Central Joint Staff Council representing CTRI w.e.f. 19.2.98.

**OBITUARY**

Sri Akula Venkata Rao, SS Gr.III, CTRI, Rajahmundry expired on 12.2.98.

**RETIREMENTS**

Sri K. Siddaiah	Tech.T-II-3	CTRI RS Hunsur	28.2.98
Sri Basudeo	SS Gr.II	CTRI RS Dinhat	28.2.98
Dr.(Mrs.)U.Subhashini	Principal Scientist	CTRI Rajahmundry	31.3.98

**INTER-INSTITUTIONAL TRANSFER**

Smt. J.V.R. Satyavani, T-4 of CTRI has been transferred for joining as Tech. T-6 at CRIJAF, Barrackpore, W.Bengal and relieved on 2.3.98.

**APPOINTMENT**

Sri G. Venkata Raman Reddy has been appointed to the post of SS Gr.II (Fireman) at CTRI Res. Stn., Jeelugumilli w.e.f. 24.2.98.

**Fellow**

Dr. C.A. Raju, Sr. Scientist was awarded "Fellow of Indian Phytopathological Society" (FPSI) at the 50th Annual General Body Meeting held at B.A. Marathwada University, Aurangabad on 19.2.98.

**Congratulations.**

**Ph.D. Award**



Sri B. Narasimha Rao, Tech. Officer T-7 was awarded provisional degree certificate of Doctor of Philosophy in Horticulture by Acharya N.G. Ranga Agricultural University, Hyderabad on 24.3.98 for his thesis "Studies on heterosis and genetic analysis for yield components in ridge gourd, *Luffa acutangula* (Roxb.) L". He evolved three hybrids in ridge gourd.

**Congratulations.**

**M.Sc. (Ag.) Award**



Sri G. Adinarayana, Tech. T-4 passed M.Sc.(Ag) with Agronomy in 1st division with distinction (78%) from R.B.S. College, Bichpuri, Agra (Dr. B.R. Ambedkar Univ., Agra) during 1997-98.

**Congratulations.**

## KRISHI VIGYAN KENDRA

### SPECIAL TRAINING PROGRAMMES

Training course	Duration (days)	No. of trainees		
		Male	Female	Selected
Palmyrah products	60	-	19	19
Fibre products	60	-	30	19
Lace making	120	-	18	14
Quilt Bag making	90	-	18	1
Crochet wire bag making	60	-	25	16
Repairs of sprayers	30	15	-	2

The above programmes were sponsored by the District Rural Development Agency, under TRYSEM programme. The trainees got Rs.500/- per month as stipend and a tool kit. Successful trainees will be rehabilitated by DRDA.



Trainees in Crochet Wire Bag making



Dr. K. Nagarajan observing the yield and quality of new chilly variety, Iswarya at KVK

### State Level Training Programme

The Animal Science Section of KVK organised State Level Training Programme for State Animal Husbandry Officers and live stalk assistants on 5.2.98, 17.3.98 and 18.3.98; with the theme "Participatory Technology Development and field problems".

### Front line demonstration

Ground nut and sesamum seed was supplied to the farmers of Z.Rangampeta and Nayakampalli villages sufficient for 15 ha RSHY-1, ICGS-44 and DRG-12 varieties of groundnut and Gowri variety of sesamum were distributed.

### Advanced paddy variety trial

An advanced variety trial (Early - Bore/Rabi) conducted at KVK Instructional farm, Kalavacherla and 13 varieties were tested for their performance in this area in collaboration with Directorate of Rice Research, Hyderabad.

### Palmyrah fibre separator demonstrations

Fourteen demonstrations were conducted in 6 villages of Rangampeta Mandal and 8 villages of Koyalagudem and Jangareddygudem areas during Feb-Mar '98 in association with Andhra Bank Institute of Rural Development and CRESA organisations. A total of 234 Soc. beneficiaries and 245 Tribal beneficiaries participated.

## बधाई

भारतीय कृषि अनुसंधान परिषद के महानिदेशक और कृषि अनुसंधान एवं शिक्षा विभाग के सचिव डा. राजेन्द्र सिंह परोदा को महामहिम भारत के राष्ट्रपति द्वारा पद्म भूषण प्रदत्त किये जाने के संदर्भ में केन्द्रीय तम्बाकू अनुसंधान संस्थान के निदेशक एवं कर्मचारी वर्ग बधाई देती है।

## आई.एस.टी.एस. का राष्ट्रीय संगोष्ठी

□ जनवरी 20-23, 1998 को राजमन्त्री में केन्द्रीय तम्बाकू अनुसंधान संस्थान द्वारा भारतीय तम्बाकू विज्ञान समाज (आई.एस.टी.एस.) का राष्ट्रीय संगोष्ठी आयोजित की गयी। संगोष्ठी का मुख्य विषय था "भारतीय तम्बाकू समस्याएँ और सम्भावनाएँ"। इस संगोष्ठी में तम्बाकू से जुड़े वैज्ञानिक समुदाय, तम्बाकू बोर्ड के अधिकारियों, तम्बाकू उद्योग और तम्बाकू विकास परिषद और तम्बाकू किसान समुदाय के कुल दो सौ बहतर लोगों ने भाग लिया। नेपाल और मारिशियस के प्रतिनिधियों ने भी भाग लिया। डा. ए.एम. नरूला, वरिष्ठ वैज्ञानिक (वाणिज्य फसल) ने भा.कृ.अ.प., नई दिल्ली का प्रतिनिधित्व किया।

□ आचार्य एन.जी. रंगा कृषि विश्व विद्यालय के उप-कुलपति डा.आई.वी. सुब्बाराव ने इस संगोष्ठी का उद्घाटन किया। संगोष्ठी का मुख्य विषय आई.टी.सी. लिमिटेड के आई.एल.टी.डी. विभाग, राजमन्त्री के मुख्य वैज्ञानिक डा.टी.एस.सुब्रह्मनियम ने प्रस्तुती करण किया। वैज्ञानिक आयोग कोरेस्टा, फ्रान्स के अध्यक्ष डा.हेनरी पेपनफस ने समारोह की अध्यक्षता की। सी.टी.आर.आई. के निदेशक एवं आई.एस.टी.एस. के अध्यक्ष डा.के.नागराजन ने संगोष्ठी के प्रतिनिधियों का स्वागत किया। डा.पी.आर.एस.रेड्डी, वरिष्ठ वैज्ञानिक एवं आई.एस.टी.एस. के सचिव ने धन्यवाद प्रस्ताव पारित किया। विभिन्न विषयों पर सारे भारत से प्राप्त 210 शोध पत्रों में से 54 पत्र मौखिक सत्र में और 56 पत्र पोस्टर सत्र में प्रस्तुत किये गये। डा.बी.एस.कृष्णमूर्ति द्वारा एक सूचनियर का विमोचन किया गया। डा.हेनरी डी पेपनफस को रजत फलक और प्रशस्ति पत्र सहित आई.एस.

टी.एस. के सम्मानी सदस्यता प्रदत्त की गयी। संगोष्ठी में उत्कृष्ट शोध पत्रों का तम्बाकू के प्रमुख वैज्ञानिकों द्वारा प्रतिष्ठित पुरस्कार प्रदान किये गये।

□ तम्बाकू में उत्कृष्ट योगदान के लिए (आई.एस.टी.एस. के सदस्यों को) भारतीय तम्बाकू विज्ञान सोसाइटी द्वारा फेलोशिप प्रदान किये गये।

## प्रौद्योगिकी का स्थानान्तरण

### किसान मेला

कोय्यालागुडेम, रंगमपेटा, देवरापल्ली और पोचवरम में आयोजित किसान मेलाओं में सी.टी.आर.आई. के दस वैज्ञानिकों ने भाग लिया।

### वैज्ञानिकों द्वारा भूरा धब्बाग्रस्त क्षेत्र का निरीक्षण

वैज्ञानिकों का एक दल ने गुन्दूर में भूरा धब्बा से ग्रस्त तम्बाकू के खेतों का निरीक्षण किया और क्षति नियंत्रण में आवश्यक कार्रवाई के लिए किसानों को सुझाव दिया।

### वैज्ञानिकों द्वारा आन्ध्र प्रदेश के नेल्लोर और प्रकाशम जिलों का निरीक्षण

वैज्ञानिकों का एक दल ने आन्ध्र प्रदेश के नेल्लोर और प्रकाशम जिलों में भारी वर्षा के कारण उत्पन्न तम्बाकू किसानों की समस्याओं का अध्ययन किया और उनके निवारण उपायों को सुझाया।

## पुरस्कार

### के.वी.के., राजमन्त्री को एन.आर.डी.सी. का पुरस्कार

श्री.आई.श्रीनिवास, श्री.आर.सुधाकर और डा.के.नागराजन द्वारा विकसित पालमिरा रेशों के पृथक्कारक के लिए राष्ट्रीय अनुसंधान विकास परिषद, नई दिल्ली ने अविष्कार प्रोत्साहन कार्यक्रम के अधीन एन.आर.डी.सी. गणतंत्रता दिवस 1998 का पुरस्कार घोषित किया। इस पुरस्कार के अन्तर्गत योग्यता प्रमाण पत्र और 10000 रुपये नकद दी जाती है। सी.टी.आर.आई. के स्वर्ण जयंती वर्ष का यह एक महत्वपूर्ण उपलब्धि है।

## पी.एच.डी. उपाधि

श्री.बी.नरसिंहा राव, तकनीकी अधिकारी टी-7 को बागधानी विज्ञान में डाक्टर आफ फिलासफी का अस्थायी प्रमाण पत्र प्रदान किया गया।

## एम.एस.सी. (कृषि) उपाधि

श्री.जी.आदिनारायणा, तकनीशियन टी-4 ने एम.एस.सी. कृषि (सस्य विज्ञान) परीक्षा में विशेष योग्यता सहित प्रथम श्रेणी में उत्तीर्ण हुए।

## नकद पुरस्कार

श्री.डी.बालकृष्ण, तकनीशियन टी-1 को हिन्दी प्रवीण परीक्षा उत्तीर्ण होने पर 400 रुपये का नकद पुरस्कार दिया गया।

## सी.टी.आर.आई. कर्मचारियों के सहकारी जमा समिति के पुरस्कार

सी.टी.आर.आई. कर्मचारी सहकारिता जमा समिति (राजमन्त्री) द्वारा सी.टी.आर.आई. कर्मचारियों के बच्चों को वर्ष 1997 के लिए स्वर्ण पदक प्रदान किये गये।

## कृषि विज्ञान केन्द्र

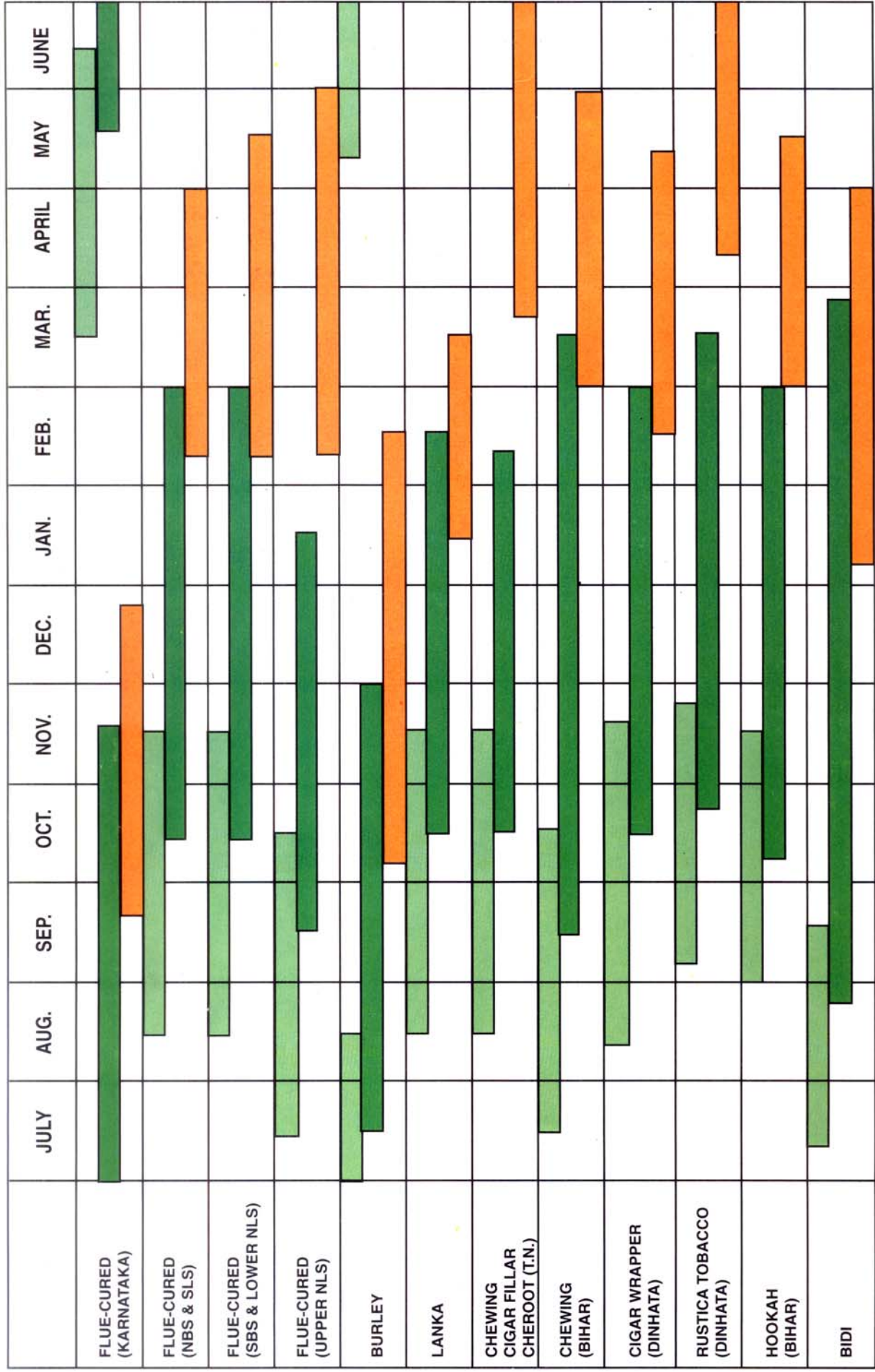
□ जिला ग्रामीण विकास एजेन्सी द्वारा प्रायोजित कार्यक्रम के अधीन पालमिरा उत्पादों, फैबर उत्पादों, लेस निर्माण, क्विल्ट बैग निर्माण, क्रोचेट बैग निर्माण, स्प्रेयों की मरम्मत पर विशेष प्रशिक्षण कार्यक्रम आयोजित किये गये।

□ कृषि विज्ञान केन्द्र के पशु विज्ञान अनुभाग ने पशुपालन अधिकारियों और पशुधन सहायकों के लिए राज्य स्तर का प्रशिक्षण कार्यक्रम आयोजित किया। किसानों को मूंगफली और तिल के बीजों की आपूर्ति की गयी।

□ चावल अनुसंधान निदेशालय, हैदराबाद के सहयोग से उन्नत धान के किस्मों के निष्पादन की जांच की गयी।

□ पालमिरा रेशों के पृथक्कारक की चौदह प्रदर्शनियाँ 6 गाँवों में आयोजित की गईं।

# SEASONAL CALENDAR OF TOBACCO TYPES IN INDIA



NURSERY
  FIELD CROP
  MARKETING