



# समाचार Newsletter

VOL.13  
NO.3  
JULY - SEPTEMBER  
1991

CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY

## MAJOR EVENTS

### STAFF RESEARCH COUNCIL MEETINGS



Sri K.S.N. Murthy, Secretary, SRC welcoming the delegates

Staff Research Council meetings were held from 25th to 29th July, 1991. Sri. P. Ramakantha Reddy, Chairman, Tobacco Board, Guntur, Dr. S.Kori, Director, Directorate of Tobacco Development (R&D); Dr. R. Lakshminarayana, Project Co-ordinator (T), Dr. B.V. Ramakrishnayya, Director (Technical), Tobacco Board and Scientists from AICRP (T) centres at Shimoga, Anand, Nipani, Saraimiran, Koraput and Scientists from CTRI and its research stations participated in these meetings.

Sri. K.S.N. Murthy, Secretary Staff Research Council, CTRI welcomed the delegates. Dr.M.S. Chari, Director, in his inaugural address, gave an overview of the research achievements and other activities during the last one year. Dr. R. Lakshminarayana, Project Co-ordinator (T) was the chairman for session on Genetics and Plant Breeding. Dr.M.V.N. Setty was the Chairman for session on Agronomy Sri P. Ramakantha Reddy, IAS was the Chairman for session on R&D and Transfer of Technology. Sri S.Kori was the chairman for session on plant protection and Dr.B.V. Ramakrishnayya was the Chairman for session on Chemistry. The progress

of research programmes was discussed critically in these meetings and the technical programme of work for the ensuing year 1991-92 season was finalised. Based on these deliberations, recommendations for the benefit of scientists and farming community were released. Some of the recommendations were:

1. Three varieties viz., 1. FCV tobacco V-3189 (Gowthami), 2. Sun-cured Natu tobacco selection II-409 (Natu special), and 3. Chewing tobacco HV. 80-4 (Meenakshi) have been identified by the SRC for consideration of release during AICRP workshop.

2. Seed rate for F.C.V. nurseries has been fixed at 3.5 kg/ha for A.P and 2 kg/ ha for KLS.

3. Potash application is to be eliminated in Central Black Soils (CBS) Northern Black Soils (NBS) of tobacco.

4. Use of dithane may be dropped from plant protection recommendations on Tobacco.

5. A regular station may be established in tribal area to conduct experimental programmes on Burley tobacco keeping the export demands of this type of tobacco in International Markets.



## RESEARCH HIGHLIGHTS

### CTRI, RAJAHMUNDRY

Laboratory tests revealed that soaking root-knot galls in tobacco cured leaf extract for one week at conc. of 0.25% and 1.0% killed larvae and egg mass respectively.

### CTRI RESEARCH STATION, JEELUGUMILLI

Trials at the Station revealed that the variety McNair -12 responded better to increased plant density (20,000 plants/ha) and obtained Quality leaf yields to an extent of 35.2% with this practice.

### CTRI RESEARCH STATION, GUNTUR

- Line II-409 performed well and produced 49% higher cured leaf yield than WAF in Kurnool and Nandyala area.
- In AICRP advanced varietal trial the entry V-3189 was found to be highly potential cultivar in producing

maximum green, cured, bright yields with higher grade index.

- Lalpuram HDBRG selection gave an higher cured leaf yield with an increase of 31% and 15% over the yields of ITC selections and CTRI selections respectively. Maximum yield is obtained at topping level of 24 leaves.

### CTRI RESEARCH STATION, KANDUKUR

Redomil MZ72WP application at 0.2% at 20 and 30 DAG effectively controlled damping-off in nursery.

### CTRI RESEARCH STATION, HUNSUR

It was observed that soil solarization with alkathene sheet of 50G along with neem cake was very effective in controlling root knot as compared to neem cake application alone. This practice was also found to help in minimising the problem of weeds.

## OTHER ACTIVITIES

### INSTITUTE JOINT COUNCIL MEETING

4th meeting of the 5th Institute Joint Council was held at main Institute on 5-7-91. From official side Dr. M.S. Chari, Chairman and Sri Y. V. Suryanarayana, member secretary and other members viz. Sri P. C. Jacob, Sri K. Venkateswarlu, Dr. T. Venkateswarlu, Dr. P.R.S Reddy and Sri R. Varadarajan were present. From Staff side Sri. P. Moses, member & CJSC representative and other members viz. Sri. Md. Ahmed Ali, Sri Ch. Srirama Rao, Sri M.Venkata Rao, Sri S.K. Mastan, Sri D.V.S. Sastry and Sri K. Suryanarayana were present. Some of the problems of the staff and their welfare measures were discussed throughly in the meeting.

### HINDI WEEK CELEBRATION

Hindi week was celebrated from 10th September, 1991. Dr. P.S.N. Murthy, Head of the Division of

Chemistry & Chairman of the Official Language Implementation Committee of the Institute has given welcome address in the inaugural function of the week i.e. on 10th September, '91. Dr. M.S. Chari, Director while inaugurating the function has given a gist about the importance of Hindi and appealed all the officials/Staff to participate actively in various competitions to be held during the week. Competitions were held in the translation of the Official terminology, letter writing, essay writing, elocution, songs and Kavitha in Hindi.

The Valedictory function was held on 16th September, '91. Sri R. Varadarajan, Asst. Administrative Officer (E) & Member- Secretary of the Official Language Implementation Committee gave a report on the progressive use of Hindi. Dr. M.S. Chari, Director inaugurated the function, Dr. K.D. Singh, Principal Scientist & Officer-in-Charge, CTRI Research Station, Pusa, Dr. H.S.M. Kameswara Rao, Lecturer in Hindi, Govt. Arts College, Rajahmundry and Sri Ambadass, Hindi



Dr. P.S.N. Murthy, Sri Ch. Sri Rama Rao, Dr. R. Sinha and Dr. M.S. Chari



Sri N.S. Murthy, Sri M. Appa Rao and Dr. T. Venkateswarlu receiving prizes from Dr. M.S. Chari



Pradhyapak, Hindi Teaching Scheme, Rajahmundry were the judges for the competitions in Hindi. Dr M.S. Chari, Director distributed the prizes to winners in the competitions. Smt. V.Mahalakshmi, Technical Officer, T-5 and Member of the Official Language Implementation Committee has proposed vote of thanks. Sri Ch. Sri Rama Rao, initiated the activities of this function and made it a grand success.

#### INTER-INSTITUTIONAL SPORTS MEET

The ICAR Inter-Institutional sports meet zone IV was organized by NAARM in Lal Bahadur Stadium,

Hyderabad, from 24th to 28th September, 1991. CTRI fielded a contingent of twenty nine sports men from its main Institute, Research Stations and KVK under the Chairmanship of Sri. K. Appa Rao and the Managership of Sri P. C. Jacob. The contingent participated in sports items viz., Volleyball (Shooting and Volley), Long Jump, High Jump, Running, Pole Vault, Shuttle and Table Tennis. CTRI team won runners up trophy in Volleyball Shooting. Sri. S. Ramakrishna secured third place in Pole vault event.

### TRANSFER OF TECHNOLOGY

#### TRAINING PROGRAMMES

- A training programme on *natu* tobacco was conducted in collaboration with M/S Coromandal Fertilizers, Madras on 22-7-91 and 16 farmers of West Godavari district were benefited.
- A training programme was given to Tobacco Board Auction Superintendents, S.G.I's and field officers from 20th to 21st August, '91 on "Tobacco nursery management" at CTRI Research Station, Guntur.
- Sri S. Sitaramaiah, Scientist (SG) and Sri T.S.N. Reddy, Scientist (SG) attended the farmers' training programmes organised by 1. M/S. Nagarjuna Fertilizers & Chemicals Limited at Peravaram Village on 14th September, '91 and 2. Andhra Bank Institute for Rural Development at Rajahmundry on 24th September, '91. They explained the various pests and diseases of tobacco in nurseries and fields and their control measures.
- A training programme on "The use of Nuclear-polyhedrosis virus (NPV) for the control of *Spodoptera litura* F. and *Heliothis armigera* HB" was organised jointly by the Division of Plant Protection and KVK of CTRI from 16th to 19th September, 1991 at Rajahmundry. About twenty Scientists/Officers of Transfer of Technology and Extension Departments of Government of Andhra Pradesh, Tamilnadu and Karnataka covering zone V of Transfer of Technology Projects attended the training programme. After completion of the training, certificates were awarded to the trainees by Dr. M.S. Chari, Director, CTRI.
- Training programme on "Tobacco nursery management" was conducted at Andhra Bank Institute of Rural Development, Rajahmundry from 23-9-91 to 25-9-91, at Rajahmundry. 18 Farmers from near by villages have participated in the training. The programme was inaugurated by Dr. M.S. Chari, Director, CTRI, Rajahmundry. Visit to CTRI farm and museum was arranged on 25-9-91 for the benefit of trainees.
- Two days training programme was conducted at main Institute for 50 progressive farmers of Prakasam

district of Andhra Pradesh on 'Tobacco nursery and crop management' from 26-9-91 to 27-9-91. Dr. M.S. Chari, Director inaugurated the programme.

#### EXHIBITION

CTRI has participated in Godavari Puskararam's Exhibition 1991, held at Municipal Stadium, Rajahmundry. A beautifully decorated stall was installed there. Various charts and photos of tobacco nursery and crop production management practices and KVK activities were displayed and several pamphlets regarding tobacco production technology were distributed. About 3,00,000 people visited the stall during 10-8-91 to 29-8-91.

#### FIELD VISITS

- Sarvasri V.V. Ramana Rao, G. Ramprasad and T.S.N. Reddy visited the burley tobacco nursery of Sri Pasumarti Ramachandra Rao, a progressive farmer from Gandepalli Village of East Godavari district on 31-7-91. Suitable advice for proper nursery management and plant protection measures was given.



S/ Sri V.V. Ramana Rao, G. Ramprasad, T.S.N. Reddy & P.R. Rao

- Sri G. Ramprasad, Head of the Division of Plant Protection, visited AICRP (T) Centres and farmer's fields in Shimoga and Hunsur areas in Karnataka from 25th August to 3rd September, 1991 for monitoring the work of AICRP(T) pertaining to plant protection and observed the pest and disease incidence.



### FARMERS MEET

- Officer-in-charge and Scientists of CTRI and its Research Station, Kandukur have participated in the farmers meet on "Nursery management" organised by Tobacco Board and also visited tobacco nurseries in different near villages. They advised the nursery growers in seed bed preparation, fertilizer application, irrigation water use for successful management of tobacco seed beds in Southern red loamy Soils.
- Farmer's meet was arranged in collaboration with M/s Nagarjuna Fertilizers, Kakinada on 14th September 1991 in Peravaram village on cultivation of Lanka Tobacco. Dr. M.S. Chari, Director inaugurated the meeting. 160 farmers participated in the meeting.

### RUSH FOR SEEDLINGS

At CTRI Research Station, Jeelugumilli, there is an unusual rush for McNair-12 seedlings during the season and 3.27 lakhs seedlings were sold so far.

### RADIO TALKS

- 1 కోళ్ళ పెంపకంలో స్త్రీల పాత్ర (Role of Women in poultry management) by Dr. P. V. V. S. Sivarao, on AIR, Visakhapatnam, 17-7-91.
- 2 పొగనారు మళ్ళలో పోషక పదార్థాల లోపాలు - నివారణ (Nutrient deficiencies in tobacco seedlings and corrective measures) by J. A. V. Prasada Rao, on AIR, Visakhapatnam, 3-8-91.
- 3 సోయా చిక్కుడు పోషక విలువలు (Nutritional values of Soybeans) by Smt. V. V. Lakshmi kumari, on AIR, Viskhapatnam, 7-8-91.
- 4 పొగనారుమళ్ళ పెంపకము (Nursery management in tobacco) by Sri C.B. Sarma, on AIR, Vijayawada, 28-8-91.
- 5 పొగనారుమళ్ళ తయారు (Preparation of Tobacco nursery beds) by Sri B. Nageswara Rao, on AIR, Vijayawada, 30-8-91.
- 6 Tobacco nursery maintenance by Sri N. Subbaiah, on AIR, Madurai, 2-9-91.
- 7 పొగనాల్లకు భూమి తయారు ఎరువు లేత, తలత్రుంచటంలో పాటించవలసిన మెళుకువలు (Preparatory cultivation of land and topping in FCV Tobacco) by Sri D. Rama chandram, on AIR, Vijayawada, 4-9-91.
- 8 పొగకులో సస్యరక్షణ (Plant protection in tobacco) by Sri S. Sitaramiah, on AIR, Vijayawada, 11-9-91.
- 9 పొగకు రెలువు మరియు క్యూరింగు (Harvesting and curing of FCV tobacco) by Sri B. Nageswara Rao, on AIR, Vijayawada, 18-9-91.
- 10 Activities on CTRI Research Station, Hunsur by Dr. M.M.Shenoi, on AIR, Mysore, 23-9-91.
- 11 పొగకు గ్రేడింగులో గమనించదగిన ముఖ్య విషయములు (Some

important points in tobacco grading) by Sri V.V. Ramana Rao, on AIR, Vijayawada, 25-9-91.

- 12 Tobacco Planting and manuring by R. Rajendran on AIR, Madurai, 30-9-91.

### PRESS COVERAGE

- 14-7-91 పొగకు పంట మార్పిడి చక్రంలో సోయాచిక్కుడు, by P. Harishu Kumar and R. Sinha, **Eenadu** daily.
- 28-8-91 పొగకు పెంపకంలో అజబ్ బాక్టరు, by P. Harishu Kumar and R. Sinha, **Eenadu** daily.
- 28-8-91 పొగకునారుమళ్ళ పెంపకం, by K. S. N. Murthy, J. A. V. Prasada Rao and R. Srinivasulu, **Eenadu** daily.
- 20-9-91 నల్లరేగడిలో పొగకు బదులుగా కుసుమపంట, by P. Harishu Kumar, R. Sinha and C.B. Sarma, **Eenadu** daily.
- 27-9-91 సోయాచిక్కుడు సస్య రక్షణ, by P. Harishu Kumar and R. Sinha, **Eenadu** daily.
- 11-10-91 పొగకునారు పెంపకంలో విత్తన మోతాదు ప్రాముఖ్యత, by P. Harishu Kumar, S. K. Naidu and C. R. Nageswara Rao, **Eenadu** daily.

### CONFERENCES/SYMPOSIA/SEMINARS/WORKSHOPS/ TRAINING COURSES

- Sri M. Someswara Rao, Scientist (SG) participated in National Symposium on "Tobacco or Health" organised by World Health Organization and Ministry of Health, GOI at Delhi on 27th and 28th July, '91 as Director's nominee and presented a paper on 'Tobacco Economics'.
- Sri B. Narasimha Rao, Technical Officer (T-6) (Horticulture) was deputed for three weeks training programme on "Tropical fruit production technology" at I.I.H.R, Bangalore from 26-7-1991 to 14-8-91.

### TRAINING ABROAD

Dr. T. Venkateswarlu, Scientist (SG) has left for UK on 27-9-91 for an advanced training on 'Biotechnology' for six months at University of Nottingham under British Council's TCT Programme.

### Ph.D. AWARD



Sri A. S. Krishna Murthy, Scientist was awarded Doctorate degree for his thesis on "Inheritance of total alkaloids yield and yield components in Flue-cured tobacco (*N. tabacum* L.)" from Andhra University, Waltair. **Congratulations.**



## VISITORS

### CTRI, RAJAHMUNDRY

- 5-7-91 Sri N. Krishna Rao, Chief Officer, Andhra Bank Rural Planning and Development, Central Office, Hyderabad.
- 23-7-91 Sri K. V. Dharmapuri, Regional Marketing Manager, M/s. Coromandal Fertilizer Ltd, Visakhapatnam.
- 17-8-91 Dr. N.G.P.Rao, Chairman, ASRB, New Delhi.



Sri Y.V. Suryanarayana, Doc. Officer, explaining Library products to Dr. N.G.P. Rao.

- 4-9-91 Dr. Kirti Singh, V. C. HPKV, Dr. N. P. Singh, Dean Veterinary Science, G. B. Pantnagar (UP) Dr. (Mrs) P.Sundaram, Dean, Home Science, Udaipur and Dr. R.N.Singh, Senior Scientist (Education), ICAR, New Delhi.

### CTRI RESEARCH STATION, DINHATA

- 24-7-91 Sri Ismail Hossain, Hon'ble Minister of State Agriculture, Assam with his dignitaries

#### APPRECIATION

Today on 24th July 91 myself with my colleague and Dist. Agril. Officer, Dhubri, SMS (DL) Dhubri, visited Central Tobacco Research Station, Dinhata(WB). The Officers and Staff of the CTRI detailed us the research and extension programme they are undertaking for extension and development of the crop. The Institute has facilities to give training to interested farmers. I propose to send some young farmers from Assam in near future to have training on tobacco cultivation there as the crop has not been taken up in scientific way by the farmers in Assam.

I am grateful for the help extended by the staff of the CTRI in getting enough information about the station, its aims and objective in matter of important of the crop in the N.E.region. I expect to get more help in further from this station.

**Ismail Hossain,**  
Hon'ble Minister, State Agric.  
**ASSAM**

### CTRI RESEARCH STATION, HUNSUR

- 2-7-91 Sarvasri, R. P. Sapkota, A. K.Singh, Misra, J. Yadav. and Scientists of National Tob. Res. Project, Nepal.

### CTRI RESEARCH STATION, VEDASANDUR

- 4-7-91 Dr. S. Nagarajan, Assistant Director General (Plant Pathology), ICAR, New Delhi.

## PAPERS PUBLISHED

1. RAO, R.S.N., M. S.CHARI and S. G.RAO. Further record of natural enemies on the insect pest of tobacco in Andhra Pradesh. **J. Biol. Control** 4(1): 65-6,1990.
2. KRISHNAMURTHY, G. V. G and NAGARAJAN. K. Post-emergence control of *Orobanche Cernua* on tobacco with oils. **Tropical Pest Management** 37(2) : 149-51,1991.
3. KRISHNAMURTHY, V.P.R.S.REDDY and B.V.RAMA KRISHNAYYA. Effect of K-fertilization of tobacco seedlings production in Alfisols with 'medium' K-status. **Tob. Res.** 16(2) : 131-3, 1990.
4. PRABHU, S. R., B. V. KAMESWARA RAO and K.P. S. N. MURTHY. Reduction of total particulate matter and nicotine in cigarette tobacco blends. **Tob. Res.** 16(2) : 141-2,1990.
5. KRISHNAMURTHY, S. C. V. RAGHAVAIHAH, C. B. SARMA and R.ATHINARAYANA. A profitable innovation in curing cigar filler tobacco. **Tob. Res.** 16 (2) : 95-8, 1990.
6. SRIVASTAVA, R.P. and N. CHAUDARY. Qualitative changes in the polyphenolic constituents of Dixie Shade Wrapper tobacco from harvesting to ageing. **Tob. Res.** 16(2) : 99-102, 1990.
7. SRIVASTAVA, R.P. and N. CHAUDARY. Changes in higher fatty acids during air-curing of Dixie Shade Wrapper tobacco. **Tob. Res.** 16(2) : 139-40, 1990.
8. MONGA, D. Brown spot disease incidence of tobacco as influenced by different varieties and their planting dates. **Tob. Res.** 16 (2) : 83-8, 1990.
9. SUBHASHINI, DV. పాగాకు ప్రత్యామ్నాయ సాంకేతికతలో జీవన ఎరువుల ఆవశ్యకత (Role of biofertilizers in kharif crops rotated with tobacco). **Annadata** 23(9) : 23-4,1991.
10. PRASADARAO, J.A.V. and A. HANUMANTHA RAO పాగాకు నాణ్యతను ప్రభావితం చేయు ముఖ్యంశాలు (Factors influencing tobacco Quality). **Annadata** 23(7) : 33-5,1991.

#### NECROLOGY

Sri P. Moses, Tech T-1-3, CTRI, Rajahmundry  
expired on 15-8-1991.



## RETIREMENTS

S.No.	Name	Designation	Place	Reason	Date
1.	Sri. C.V.V. Satyanarayana Murthy	T-5	Rajahmundry	Voluntary	31-8-91
2.	Sri V.L.N. Rao	T-5	Rajahmundry	Superannuation	31-8-91

## RESIGNATIONS

S.No.	Name	Designation	Place	Date
1.	Sri K.Bullabai	S.S.Gr.I	Kalavacherla	26-7-1991
2.	Sri D. Ramakrishna	S.S.Gr.I	Rajahmundry	30-9-1991

## KRISHI VIGYAN KENDRA

Thirty Seven training programmes were conducted and a total of 627 farmers, farm-women, school-dropouts were trained in different disciplines.

Special training programmes were conducted in collaboration with Andhra Bank Rural Development Institute, Alkotgardens under Rural Crafts Section, Animal Science Production and Home Science Sec-

tions on 1. Preparation of household and decorative articles with bamboo 2. Management of dairy animals to increase milk production. 3. Decorative and household lace making articles with different designs of lace. A total of 110 Rural artisans, farmers, farm-women and dropouts were participated respectively in these programmes.



Mr. R. Sudhakar demonstrating Mat making



Mrs. V.V. Lakshmikumari & Mrs. Arunakumari demonstrating Recipe making

## संक्षिप्त समाचार

### मुख्य गतिविधियाँ

#### अनुसंधान कर्मचारी परिषद की बैठकें

- अनुसंधान कर्मचारी परिषद की बैठकें दिनांक 25 से 29 जुलाई 1991 तक आयोजित की गयी। अखिल भारतीय समन्वित अनुसंधान परियोजना (तम्बाकू) के केंद्रों तथा केन्द्रीय तम्बाकू अनुसंधान संस्थान और इसके अनुसंधान केन्द्रों के वैज्ञानिकों तथा तम्बाकू बोर्ड के अन्य अधिकारियों ने इन बैठकों में भाग लिया।
- श्री के.एस.एन. मूर्ति, सचिव, अनुसंधान कर्मचारी परिषद, ने प्रतिनिधियों का स्वागत किया। डा.एम.एस.चारी, निदेशक ने अपने उद्घाटन भाषणमें पहले एक वर्ष में शोध उपलब्धियों एवं अन्य गतिविधियों के बारे में विवरण दिया। बैठकों में वार्तालाप के आधार पर वैज्ञानिकों और कृषक समुदाय के लाभ के लिए सिफारिशें जारी की गयी।

### अनुसंधान झलकियाँ

#### के.त.अ.स., राजमन्दी

प्रयोगशाला में किये गये परिक्षण के अनुसार रुट नाट नेमेटोड के लारवा तथा अंडों के समूहों को तम्बाकू की संशोधित पलियों के 0.25 % और 1.0% घोल में एक सप्ताह तक रखने पर वे मरे पाये गये।

#### के.त.अ.स., अनुसंधान केन्द्र गुण्टूर

अखिल भारतीय समन्वित अनुसंधान परियोजना में अग्रिम किस्म परीक्षण में वी.3189 सर्वाधिक हरी, संशोधित तथा चमकीली पालियों की उपज तथा अत्याधिक वर्ग सूचकांक देने में उपयोगी सिद्ध हुई।

#### के.त.अ.स., अनुसंधान केन्द्र कन्दुकूर

रिडोमिल एम. जैड. 72 डब्ल्यू. पी. का 0.2% का छिडकाव जमाव के 20 और 30 दिन के बाद, करने पर पौधशाला में पौध गलन रोग को नियंत्रण करने में उपयोगी रहा।

#### के.त.अ.स. अनुसंधान केन्द्र हुनसूर

ऐसा महसूस किया गया कि 50 गेज की एलकाथीन शीट का नीम की खली के साथ भूतपन 'रुट नाट' को नियंत्रण करने में नीम की खली के प्रयोग की तुलना में अधिक उपयोगी रहा।

### अन्य गतिविधियाँ

संस्थान की संयुक्त परिषद की बैठक दिनांक 5-7-91 को मुख्य संस्थान में आयोजित की गयी। दिनांक 10-9-91 से 16-9-91 तक हिन्दी सप्ताह मनाया गया। हिन्दी में पत्र लेखन, निबन्ध लेखन

कार्यालय शब्दावली का अनुवाद भाषण और काविता व गायन में प्रतियोगिताएं आयोजित की गयी। समापन समारोह का आयोजन दिनांक 16-9-91 को हुआ। प्रतियोगिताओं में विजयी हुए। व्यक्तियों को डा. एम.एस. चारी, निदेशक, ने पारितोषिक वितरित किये। भारतीय कृषि अनुसंधान परिषद की क्षेत्र 4 को अंतरसंस्थानीय खेल कूद प्रतियोगिता राष्ट्रीय कृषि अनुसंधान प्रबन्ध एकादमी द्वारा दिनांक 24 से 28 सितम्बर 1991 तक लाल बहादूर स्टेडियम, हैदराबाद में आयोजित की गयी। इसमें केन्द्रीय तम्बाकू अनुसंधान संस्थान ने 29 खिलाड़ियों का दल भेजा।

### टैकनोलजी का स्थानंतरण

- कोरोमंडल फर्टीलाइजर्स, मद्रास के सहयोग से दिनांक 22-7-91 को नाटु तम्बाकू पर एक प्रशिक्षण का आयोजन किया गया। इससे पश्चिम गोदावरी जिले के 16 किसान लाभान्वित हुए।
- केन्द्रीय तम्बाकू अनुसंधान संस्थान अनुसंधान केन्द्र गुण्टूर द्वारा तम्बाकू बोर्ड के नीलामी अधीक्षकों तथा वरिष्ठ वर्गीकरण निरीक्षकों के लिए दिनांक 20 से 21 अगस्त 1991 तक 'तम्बाकू पौधशाला प्रबन्ध' पर एक प्रशिक्षण का आयोजन किया गया।
- स्पोजोपेटरा लिटुरा तथा हीलियोथिस आरमीजैरा के नियंत्रण में एन.पी.वी. के प्रयोग पर एक प्रशिक्षण कार्यक्रम पौध संरक्षण प्रभाग तथा कृषि विज्ञान केन्द्र के द्वारा संयुक्त रूप से दिनांक 16 सितम्बर से 19 सितम्बर 1991 तक राजमन्दी में आयोजित किया गया।
- 'तम्बाकू पैधशाला प्रबन्ध' विषय पर आन्ध्र बैंक ग्रामीण विकास संस्थान राजमन्दी में दिनांक 23-9-91 से 25-9-91 तक इस संस्थान द्वारा एक प्रशिक्षण का आयोजन किया गया। जिसमें 18 कृषकों ने भाग लिया।
- प्रकासम जिले के 50 कृषकों के लिए तम्बाकू पैधशाला तथा फसल प्रबन्ध पर 2 दिवसीय, दिनांक 26-9-91 से 27-9-91 तक, प्रशिक्षण का आयोजन किया गया।
- केन्द्रीय तम्बाकू अनुसंधान संस्थान ने गोदावरी पुष्करम प्रदर्शनी-1991 में भाग लिया।
- वैज्ञानिकों तथा तकनीशयनों द्वारा आकाशवाणी, विजयवाडा, विशाखपट्टणम, मदुरई, तथा मैसूर केन्द्रों पर 12 वार्ताएं दी गयी। प्रान्तीय भाषाओं के समाचार पत्रों में प्रकाशन के लिए 6 लेख दिये गये। एक तकनीकी अधिकारि ने सिम्पोजियम/कान्फेरन्स में भाग लिया। हमारे शोध कार्यकर्ताओं के द्वारा 10 पत्र विभिन्न पत्रिकाओं में प्रकाशित हुए। 2 व्यक्ति सेवा मुक्त हुए, दो व्यक्तियों ने त्यागपत्र दे दिया तथा एक व्यक्ति का निधन हो गया।

### कृषि विज्ञान केन्द्र

विभिन्न विषयोंमें 37 प्रशिक्षण कार्यक्रमों का आयोजन किया गया। जिसमें 627 कृषकों, कृषक महिलाओं और संस्था छोडे हुए यूवाओं ने भाग लिया।

