



# समाचार Newsletter

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## Central Tobacco Research Institute

### RESEARCH HIGHLIGHTS

#### CTRI, RAJAHMUNDRY

Seedlings of FCV pipe line varieties (1099/2/4 and V-3569) were supplied for on-farm trials in NBS & CBS. Performance of these entries is relatively better in terms of establishment and growth vigor compared to local checks. Line 1099/2/4 is resistant to TMV.

#### CTRI RES. STATION, HUNSUR

□ Different fungicides were evaluated for control of brown spot disease. Foltaf (captafol) @ 0.5% was more effective compared to Indofil M45, Score and Tilt. Score @ 0.2% was better than Tilt @ 0.2% and Indofil M45 @ 0.3%.

□ Among 100 germplasm lines evaluated under epiphytotic conditions Beinhart, 1000-1, L-1128 and HR 65-35 are resistant to brown spot disease caused by *Alternaria alternata*.

□ *In vitro* evaluation indicated that the crude leaf extract of *Ocimum sanctum* and *Aegle marmelos* inhibit mycelial growth of *Alternaria alternata*.

### TRANSFER OF TECHNOLOGY

#### CTRI, RAJAHMUNDRY

##### Farmer's Day under IVLP Project

Farmers day was organized under Institute Village Linkage Project at Kotikesavaram on 14.11.96. Dr. K. Nagarajan, Director, CTRI was the Chief guest. Scientists from Paddy Res. Stn., APAU, Maruteru participated. Nearly 100 farmers attended the programme and interacted with the Scientists.

##### Exhibition

Dr. U. Sreedhar participated in the exhibition organised during 2nd International Crop Science Congress held at Vigyan Bhavan, New Delhi from 17-24th November, 1996. Significant achievements of DBT R&D Project and Mission Mode Project at CTRI were displayed in the exhibition.

#### CTRI RES. STATION, HUNSUR

□ A training programme was conducted to trainees from M/s. Godfrey Phillips India Ltd., on "FCV Tobacco Production Technology" from 7.10.96 to 10.10.96.

□ Dr. M.M. Sheno, Sri K.N. Subrahmanya and Sri S. Ramesh participated in farmers training programme on plant position grading of tobacco at Bheemanahalli village organized by State Dept. of Agriculture on 16.10.96.

#### CTRI RES. STATION, PUSA

##### Farmers Day

□ Farmers day was celebrated on 16.10.96 on the eve of World Food Day in Ratanpur Village in collaboration with Rajendra Agricultural University, Bihar, Pusa. Dr. Rambahadur Singh, Ex-Director of Horticulture, Govt. of Bihar presided over the function. Dr. N.K. Roy, Director of Extension Education, RAU, Bihar was the Chief guest. About one thousand farmers attended the function.

□ Dr. K.D. Singh, Head, CTRI Res. Stn. welcomed the gathering and introduced the theme of the World Food Day. Dr. N.K. Roy, emphasized the role of farmers in increasing the food production to meet the increasing demand.



Sri S.K. Naidu, Dr. M.K. Nair, Dr. K.V.K. Nampoothri, Dr. K. Nagarajan, Dr. P.K. Koshy and Sri M. Umamaheswara Rao in the CTRI Museum



Dr. K.D. Singh welcoming the farmers and officials on farmers day



## TRAINING PROGRAMMES

Date	Scientists participation	Programme details	Trainees	Training place and organiser
17.10.96	Sri M. U. Rao Sri S.K. Naidu Sri S.S. Srinivas	Nursery management Land preparation and Fertilizer dosages	Farmers and Tobacco Board Officials	Mirthipadu
25.10.96	Sri S.K. Naidu Sri R. Subba Rao Dr. U. Sreedhar	- do -	Farmers of Chandredu, Kalavacherla, Vadisaleru	ABIRD, Rajahmundry
12.11.96	Sri S. G.Rao	Integrated Pest Management on Pulse crops	Farmers	Prathipadu Organized by FACT Ltd.
18.11.96	Dr. P.R.S. Reddy Sri S. Sitaramaiah	Fertilizer Management, Irrigation and Pest & Disease Management	Farmers	Devarapalli; Organized by Tob. Board
20.11.96	Dr. C.A. Raju Sri M. Sannibabu Sri S.K. Naidu	- do -	Farmers and Tobacco Board field staff	Koyalagudem Organized by Tob. Board
29.11.96	Sri R. Subba Rao Sri S. Sitaramaiah Dr. T.G.K. Murthy	Pest & Disease Management and Harvesting technology	- do -	Vadisaleru Organized by Tob. Board
21.12.96	Sri R. Subbarao Sri S.K. Naidu Dr. U. Sreedhar	Pest & Disease Mana- gement, Harvesting and curing technology	- do -	Seethanagaram Organized by FACT Ltd.

### Chinese Scholar Completed Training

Mr. Sun Yu He, Asst. Professor, Tobacco Research Institute, China who has come for training in "Tobacco Crop Improvement, Biotechnology etc. under Indo-China CEP 1995-96 programme has successfully completed his training on 31.12.96. On the last day he gave a seminar to the seminar group of CTRI about the knowledge acquired at CTRI and appraised the group about Tobacco Research in China.

### Best Student Award for Scientist's Daughter

Miss. V.K. Jyothirmai, D/o. Dr. V. Krishnamurthy, Sr. Scientist (Soil Chemistry) has been selected for admission to M.Sc (Home Science) in the Department of Family Resource Management at the College of Home Science, Saifabad in Acharya N.G. Ranga Agricultural University, Hyderabad on the basis of CET-1996. She was the recipient of "Letter of appreciation" from the Vice-Chancellor and the Dean (Students Affairs) for her BEST PERFORMANCE IN THE COLLEGE DAY and RHWE programmes -1996. Recently, she has been chosen for THE BEST PARTICIPANT AWARD - 1997 of the University.

### Inter-Institutional Tournaments

A contingent of 30 players from CTRI and Research Stations including four lady players have participated in ICAR Inter-Institutional tournaments (Zone IV) held at Railway Stadium, organised by CRIDA, Hyderabad from 2-6th Dec., 1996. The team was led by Dr. C.A. Raju, Sr. Scientist. CTRI secured runners up trophy in Volleyball Shooting, Volleyball, Volley, High Jump and Ladies Shuttle. Dr. K.Nagarajan, Director CTRI complimented the team and presented mementoes to the team members.





**PAPERS PUBLISHED**

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U. SREEDHAR. సాగువర్ణకుల ద్వారా చీడ పురుగుల నివారణ. *Eenadu*, 31.10.96. E.G.Dt.

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SEKHARARAO and B.V. RAMA-KRISHNAYYA. Changes in N and K concentrations of FCV tobacco midrib as affected by N and K fertilization. *Tob. Res.* 22:54-7, 1996.

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K. NAGARAJAN and J.A.V. PRASADA - RAO. క్యూరింగులో మెలకువలు పాటిస్తే నాణ్యమైన పాగాకు దిగుబడి. *Eenadu* 17.12.96.

**RADIO TALKS**

□ తేలిక నేలలో పాగాకు సాగు. by Dr. A.V.R. Swamy on AIR, Vijayawada, 17.10.96

□ పాగాకు నాణ్యతకు చీడ, పీడల నివారణ. by Sri S. Gunneswara Rao on AIR, Vijayawada, 23.10.96

□ పాగాకు పంటకు సస్యరక్షణ. by Dr. C.A. Raju on AIR, Visakhapatnam, 28.10.96

□ Disease and pest management in tobacco by Sri V. Annadurai on AIR, Madurai, 12.11.96

□ Sri K. Manoharan attended a discussion on harvesting and curing technologies of tobacco at AIR, Madurai, 2.12.96

**CYCLONE DAMAGE IN A.P.**

Two successive cyclones hit the coastal districts of AP during Nov.96 and caused severe damage to crops and property. Several official and non-official teams from State and Central Govt. visited the cyclone affected areas. CTRI has extended all the facilities to these teams by providing accommodation and transport. ICAR has sanctioned Rs.10 lakhs to CTRI as special cyclone relief fund to repair the structures damaged during cyclone in Kandukur, Guntur, Jeelugumilli and Rajahmundry.

**Cyclone relief fund**

All the staff members of CTRI and Regional Stations have donated 1% of gross salary towards cyclone relief fund. An amount of Rs.22,656 has been sent to Chief Minister, Andhra Pradesh Cyclone Relief Fund.

**Survey of SLS Tobacco Area by CTRI Scientists**

A team of Scientists consisting of Sri G.S.B. Prasanna Simha Rao, Sri M. Umamaheswara Rao, Dr. P.R.S. Reddy and Sri S.K. Naidu surveyed the SLS tobacco areas in Guntur, Prakasam, Nellore districts during December 1996 as these were damaged due to cyclone during 1st week of November. They reviewed the tobacco situation and advised the farmers to take up necessary corrective measures for tobacco cultivation in these areas.

**APPOINTMENTS**

Name	Grade	Place of Duty	Date
Sri G. Venkata Ramana	S.S.Gr.I	CTRI RS, Jeelugumilli	23.09.96
Sri T. Vidya Sagar	Jr. Steno	CTRI, Rajahmundry	09.10.96
Smt. Suman Kalyani	Scientist (HS)	K. V. K., Kalavacherla	16.12.96
Sri C. Muruganantham	Tech. T-II-3	CTRI RS. Vedasandur	11.11.96
Sri V. Annadurai	Tech. T-II-3	CTRI RS. Vedasandur	11.11.96

**RETIREMENTS**

Name	Grade	Reason	Date
Sri K.V. Ramanamurthy	A.A.O.	Superannuation	31.10.96
Sri V.V. Ramana Rao	Princ. Sci.	Superannuation	31.10.96

**INTER-INSTITUTIONAL TRANSFER**

Sri Rambir, Scientist (SG), Crop Production, CTRI, Rajahmundry has been transferred to CPRI RS, Modipuram, U.P., and relieved on 31.11.96 AN.



## KRISHI VIGYAN KENDRA

### Vocational Training programmes

\* Three TRYSEM training programmes of two months duration each to 21 rural youth of Pallakadiyam village on Soft Toy making, 25 trainees of Kalavacherla village on Lace making, 24 trainees of Turpugonagudem village on palmyrah products were conducted from 1.11.96 to 31.12.96.

\* A trainers training programme was conducted to VRO (Village Reconstruction Organisation) instructors on different activities of KVK from 16.10.96 to 20.10.96.

### Valedictory function

Valedictory function of the TRYSEM programmes was conducted on 10.10.96. Dr. K. Nagarajan, Director presided over the function. Tool kits, stipend were distributed among 58 trainees of Pallakadium, Korukonda, Mukundavaram and Suryapeta villages.

### Farmers Day

Farmers day was conducted on 18.10.96 and about 200 farmers and

farm women of Parijellapeta, Kalavacherla, Sitarampuram and Pallakadium villages were participated. Dr. K. Nagarajan presided over the function. Sri Jayanandam, Joint Director of Agriculture, was the Chief guest. Scientists of CTRI participated and answered the queries of the farmers. On this occasion the following publications were released:

1. Integrated pest management in FCV tobacco
2. Fertiliser application in paddy

### अनुसंधान के झलक

#### सी.टी.आर.आई., राजमंद्री

उत्तरी काली मिट्टियों और मध्य काली मिट्टियों में क्षेत्रीय परीक्षणों के लिए एफ.सी.वी. पाइप लाइन किस्मों के (1099/2/4 एम वी-3569) पौधे आर्पित किये गये। स्थानिक जांच में इनका निष्पादन स्थापना और वृद्धि की जोर में अच्छा पाये गये। लाइन 1099/2/4 टीएमवी से प्रतिरोधी है।

**सी.टी.आर.आई. अनुसंधान केन्द्र, हुणसुर**  
ब्राउन स्पॉट रोग (भूरा धब्बा रोग) के नियंत्रण में विविध कवक नाशियों का मूल्यांकन किया गया। इण्डोफिल एम 45 स्कोर और टिल्ट की तुलना में 0.5 प्रतिशत की दर में फोलटाफ (केण्टाफोल) अधिक प्रभावी पायी गयी। 0.2 प्रतिशत की दर में टिल्ट एम 0.3 प्रतिशत की दर में एम-45 इण्डोफिल से 0.2 प्रतिशत की दर में स्कोर बेहतर साबित हुआ।

बहु क्षेत्रीय पादप महामारी परिस्थितियों में 100 जेर्मप्लाजम लाइनो के मूल्यांकन में, आलटरनेरिया आलटरनेटा द्वारा उत्पन्न होनेवाला ब्राउन स्पॉट रोग से बेइनहार्ड 1000-1, एल-1128 एम एच.आर.

65-35 प्रतिरोधी पालये गये।

विद्वो मूल्यांकन में यह सूचित किया गया कि ओसीमम सेक्टम एम एगिल मारमेलोस के कडे पत्तों का सार आलटरनेरिया आलटरनेटा में कवकजाल वृद्धि को निरोध करता है।

#### आंध्र प्रदेश में चक्रवात से क्षति :

नवंबर, 1996 में आनुक्रमिक रूप से दो चक्रवातों की वजह से आंध्रप्रदेश के तटवर्ती जिलों को धक्का पड़ गया और फसल एम संपत्ति को भारी क्षति हुई। राज्य एम केन्द्र सरकार के कई सरकारी एम गैर सरकारी दलों ने चक्रवात से क्षति प्राप्त इलाकों का भ्रमण किया। सी.टी.आर.आई. ने इन दलों को आवास एम परिवहन आदि कई सुविधाएँ प्रदान की। भारतीय कृषि अनुसंधान परिषद ने सी.टी.आर.आई. को कन्दुकूर, गुण्टूर, जीलुगुमिल्ली और राजमंद्री में क्षतिग्रस्त इमारतों को मरम्मत करवाने के लिए विशेष चक्रवात राहत निधि के रूप में 10 लाख रुपये मजूर की।

#### चक्रवात राहत निधि

सी.टी.आर.आई. एम इसके अनुसंधान केन्द्रों से सभी कर्मचारियों ने अपने कुल वेतन में एक प्रतिशत राशि चक्रवात राहत निधि

के लिए चन्दा के रूप में प्रदान किये। 22,656 रूपयों की राशि मुख्य मंत्री, आंध्रप्रदेश चक्रवात राहत निधि को भेजी गयी।

#### कृषक दिवस

दिनांक 18.10.1996 को कृषक दिवस आयोजित किया गया और परिजेल्लापेटा कलवचर्ला, सीतानगरम और पल्लाकडियम गाँवों से करीब 200 कृषक एम क्षेत्रीय महिलाओं ने भाग लिया। डा. के. नागराजन, निदेशक ने इस समारोह की अध्यक्षता की। श्री जयानंदम, संयुक्त निदेशक (कृषि) मुख्य अतिथि थे। सी.टी.आर.आई. के वैज्ञानिकों ने इस में भाग लेकर कृषकों के सवालियों के उत्तर दिये। इस अवसर पर निम्न प्रकाशनों का विमोचन हुआ।

#### 1. इन्टिग्रेटेड पेस्ट मैनेजमेंट

इन एफ.सी.वी टुबैको (एफ.सी.वी. तम्बाकू में एकीकृत नाशी जीव प्रबंध)

#### 2. फर्टीलाइजर अप्लीकेशन इन पेडी

(चावल में उर्वरक पयोग)