



समाचार Newsletter

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Central Tobacco Research Institute

RESERACH HIGHLIGHTS

CTRI, Rajahmundry

For the first time, inter subgeneric direct hybrids have been produced from the following crosses to transfer aphid resistance from wild *Nicotiana* species to *N. tabacum* cultivars.

- [*N. tabacum* x (*N. x umbratica - nesophila*)]
- [*N. tabacum* x (*N. x benthamiana - repanda*)]
- [*N. tabacum* x (*N. gossei* x *N. excelsior*)]
- [*N. tabacum* x (*N. gossei* x *N. glutinosa*)]

CTRI Research Station, Hunsur

NLS-4 variety with spacing of 100 x 55 cm was significantly superior over 90 x 60 cm. It gave maximum cured leaf yield (2014 kg/ha) which is 11.8% higher than the other varieties. The nitrogen level of 50 kg/ha produced

significantly higher cured leaf yield (2097 kg/ha) and TGE (1529 kg/ha) over the lower levels of 30 and 40 kg nitrogen/ha.

Experiments conducted at this Station revealed that pressmud @ 6 tonnes/ha gave maximum cured leaf (1595 kg) and top grade equivalent (1251 kg/ha).

Newly released integrated nursery management schedule comprising soil amendment with neem cake and soil solarization for 4 to 6 weeks prior to sowing has been successfully demonstrated in farmer's fields through collaborative efforts.

CTRI Research Station, Vendasalur

Preliminary evaluation of exotic (Cuban) cigar binder wrapper varieties at Pachalur Hills in Tamil Nadu revealed

that varieties Habana-92, Corojo, Corojo Especial MS, Habana-2000 and Habana Giant possessed desirable smoking quality attributes. They will be exploited for further study.

Pre-release agronomic evaluation of chewing tobacco for coastal belt of Tamil Nadu was initiated. The variety HV.92-4 with a spacing of 100 x 75 cm was found to be highly significant (3344 kg/ha) and N had no discernible effect on yield. Topping at 12 leaves gave significantly higher cured leaf yield (3377 kg/ha).

CTRI Research Station, Dinhat

Selection 8-4-1, a promising Motihari tobacco (*N. rustica*) line yielded 3016 kg/ha cured leaf and 1909 kg/ha 1st grade leaf which are superior to DD 437 (control) by 20% and 10%, respectively.

TRANSFER OF TECHNOLOGY

CTRI, Rajahmundry

FARMERS MEET AND GROUP DISCUSSIONS

Date	Scientists participated	Place & Organiser
23.5.98	Dr.V. Krishnamurthy Sri M. Sannibabu	Achayyapalem, W.G.Dt. ABIRD, Rajahmundry
29.5.98 to 30.5.98	Sri S. Sitaramaiah Sri M. Sannibabu	Kovvur, W.G.Dt. Agric Marketing Committee, Kovvur
30.5.98	Sri R. Subba Rao Sri S.K. Naidu Sri S.V.V. Satyanarayana	Goneda, E.G.Dt. M/s FACT Co. Ltd., Rajahmundry
3.6.98	Sri S. Sitaramaiah Sri S.K. Naidu	Gopalapuram, W.G.Dt. Agric. Marketing Committee
5.6.98	Dr. R.V.S. Rao Sri S.V.V. Satyanarayana	Chintalapudi, W.G.Dt. Agric. Marketing Committee
5.6.98	Sri G.S.B. Prasannasimha Rao Sri R. Subba Rao	Bimadole, E.G.Dt. Agric. Marketing Committee

CTRI Research Station, Jeelugumilli

Dr. A.V.S.R. Swamy and Dr. S.V. Krishna Reddy attended "Karshak Sadassulu" organised by State Agric. Dept., at Agric. Marketing Yard at Jangareddygudem on 20th and 21st June, 1998 and imparted training to the tobacco farmers.

Dr. A.V.S.R. Swamy and Dr. S.V. Krishna Reddy attended "Karshak Programme" at Jangareddygudem on 3.6.98 organised by Agric. Marketing Committee.

CTRI Research Station, Kandukur

Dr. R. Sreenivasulu, Sr. Scientist and Head attended farmers training programmes organised by Agric. Marketing Committee at Kandukur and Singarayakonda on 24.5.98 and 25.5.98, respectively.

SYMPOSIUM/WORKSHOPS

- Sri G. Rama Prasad, Principal Scientist and Head, Crop Protection attended a workshop on "Dynamics of labour management" from 21-24th April, 1998 at NAARM, Hyderabad.
- Dr. U. Sreedhar, Scientist (SS) presented a research paper on "Evaluation of a novel moult accelerating compound, Methofenozide against *Spodoptera litura* on tobacco" at National seminar on **Entomology in 21st century** from April 30 - May 2, 1998, organised by Entomological Society of India at Rajasthan College of Agric., Udaipur.
- Dr. T. Venkateswarlu, Senior Scientist, attended a training course on "Agricultural Research: a vision for 21st century" organised by the Academy of Agric. Research and Education Management (AAREM), Chowdhary Charansingh Haryana Agricultural University, Hisar during 18-27 June, 1998.

RADIO TALKS

- వేనవి పానీయాలు. By Smt. V.V. Lakshmi Kumari on AIR, Visakhapatnam, 8.4.98.
- తీరిక వేళల్లో గృహాలంకరణ. By Sri R. Sudhakar on AIR, Vijayawada, 17.4.98.
- గ్రామీణ మహిళాభివృద్ధికి కుటీర పరిశ్రమ. By Sri R. Sudhakar on AIR, Visakhapatnam, 22.4.98.
- వర్షనియా పొగాకు గ్రేడింగు విధానము - ఆవశ్యకత. By Sri M. Sannibabu on AIR, Visakhapatnam, 27.6.98.

T.V. TELECAST

- మల్లె తోటలలో మొగ్గతూగ నివారణ చర్యలు. By Dr. B. Narasimha Rao on ETV - Annadata Programme on 2.5.98.
- బత్తాయిలో పిందె రాటుట - నివారణ చర్యలు. By Dr. B. Narasimha Rao on ETV - Annadata Programme on 9.5.98.

PAPERS PUBLISHED

- SANNIBABU, M., R. SUBBARAO, J.A.V. PRASAD RAO and M. UMAMAHESWARA RAO. పొగాకు భూములకు అనువైన తొలకరి పంటలు. Rytē Raju, Eenadu, 28.6.98.
- PRASAD RAO, J.A.V. and K. NAGARAJAN. వర్షనియా పొగాకు సాగులో సత్రజని యాజమాన్యము. మనరైతువాణి. May/June:47-48, 1998.
- RAMA PRASAD, G., U. SREEDHAR, S. SITARAMAIAH, S. NAGESWARA RAO and S.V.V. SATYANARAYANA. Efficacy of imidacloprid, a new insecticide for controlling *Myzus nicotianae* on flue-cured virginia tobacco (*Nicotiana tabacum*). Indian J. Agric. Sci. 68(3):165-7, March 1998.
- CHARI, M.S. and B.V. RAMAKRISHNAYYA. Suitability of red and lateritic soil landscapes for flue-cured virginia tobacco. Red & Lateritic Soils, Vol.I: Managing red and lateritic soils for sustainable agriculture, Ed. by Sehgal, J. et al., 1998. pp.217-226.
- CHANDRASEKHARA RAO, C. and P.R.S. REDDY. Leaching losses of nitrogen in Northern light soils of A.P. II: Influence of different amounts and sources of nitrogen. Tob. Res. 23 : 27-35, 1997.
- NAGARAJAN, K., P.S.N. MURTHY, G. RAMAPRASAD, S. SITARAMAIAH, C.V.N. RAO, S.R. PRABHU, U. SREEDHAR, S. NAGESWARA RAO, D. GNANA KUMAR and SAROJINI SINHA.

Vision on natural pesticides for tobacco pests. In *Neem applications in Agriculture, health care and environment* (Proceedings and extended summaries of Int. Conf. on **Neem - setting goals for a global vision**, Dec. 20-22, 1996). Mumbai, Neem Foundation, 1996. pp.20-26.

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

NAGARAJAN, K., B. NAGESWARA RAO and J.A.V. PRASAD RAO. Production and distribution of tobacco seed. In Proceedings of National Seminar on **Seed production and supply system for sustainable agricultural development**, held at UAS, Dharwad, Oct. 8-9, 1997. pp.113-115.

AMARNATH, S. and A.B. PRASAD. Induced variability in homozygous and heterozygous genotypes of tobacco. Indian J. Genetic 58(1):69-77, 1998.

AMARNATH, S. and N.S. MURTHY. Diallel analysis for combining ability over environments in chewing tobacco. Tob. Res. 23:36-40, 1997.

AMARNATH, S. and K.D. SINGH. Performance of advanced breeding lines of chewing tobacco. Tob. Res. 23:51-4, 1997.

AMARNATH, S. and N.S. MURTHY. Nature and magnitude of heterosis in intra-type crosses of chewing tobacco (*Nicotiana tabacum* L.). Tob. Res. 23: 68-73, 1997.

Institute Joint Staff Council Meeting

4th Meeting of 7th Institute Joint Staff Council was held at CTRI Research Station, Veda sandur on 28.4.98. The Council discussed various matters relating to staff problems.





Dr. K.C. Jain, ADG(CS) discussing with CTRI Scientists in Smoking Machine room



Dr.M.Mahadevappa, Vice-Chancellor, UAS, Dharwad visiting CTRI Res. Stn., Hunsur

OTHER ACTIVITIES

Visit to IARI Library and DESIDOC

Sri Y.V. Suryanarayana, Documentation Officer of this Institute visited IARI Library from 1.5.98 to 6.5.98 to acquaint with library modernization activities and CD Rom networking facility. He also visited DESIDOC, to gain information on the computerization of library functions and services, usage of multimedia in library services, printing works and other CAS and SDI services of DESIDOC.

High receipts at CTRI Farm, Katheru

A total quantity of 49,892 kg of FCV tobacco produced at CTRI Farm, Katheru was sold on the auction platform of Tobacco Board at Torredu and an amount of Rs.19,15,203/- was realized. Average rate of cured leaf workedout to Rs.43/kg and scrap and bits Rs.38/ kg. Productivity and receipts of the Farm during this year are highest since inception of CTRI Farm, Katheru.

Cash Award for Hindi

Sri P.E. Jemmy, Technical Officer T-5 and Smt. P. Mariamma, Sr. Clerk were granted a cash award of Rs.200/- each on 24.4.98 for passing Hindi Praveen and Pragya exams, respectively conducted by Hindi Teaching Scheme, Dept. of Official Language, Ministry of Home Affairs, during Nov., 1997.

APPOINTMENT

Sri Akshoy Kumar Chisim has been appointed to the post of SS Gr.I (Watchman) w.e.f. 28.2.98

New Scientist Joins CTRI

Dr. (Mrs.) M. Anuradha, Scientist (Plant Physiology) joined ARS on 13th Feb., 1995. She did her Ph.D. at IARI. Her first place of posting was at IGRI, Jhansi. She got transferred from Jhansi to CTRI, Rajahmundry and joined on 5.6.98.

INTER-INSTITUTIONAL TRANSFER

Sri P. Bala Brahmaiah, FACO, CTRI has been transferred to CRRI, Cuttack and relieved on 4.5.98.

RETIREMENTS

Name	Grade	Reason	Date
Sri S.V.S. Prakasa Rao	Steno	Superannuation	30.04.98
Sri K.L. Narasaiah	Tech. Officer T-6	Superannuation	31.05.98
Sri M. Ramam	Tech. Officer T-5	Superannuation	30.06.98
Sri M. Sathi Raju	Tech. T-II-3	Superannuation	30.06.98
Sri K. Rama Rao	SS Gr.III	Superannuation	30.06.98

ICAR INTER ZONAL MEET

CTRI participated in ICAR Inter Zonal Meet at Kasargod from 2-5 May, 1998 and secured the following places.

Item	Place	Name of the player
Gents		
1. Disc throw	First	Sri D. Balarama Reddy
2. Shotput	Second	Sri D. Balarama Reddy
3. High Jump	Second	Dr.P.V.V. Siva Rao
Ladies		
1. High Jump	First	Smt. V. Bhagyalakshmi
2. Disc throw	Third	Smt. P.V.S. Bharathi



Sri D. Balarama Reddy participating in disk throw

KRISHI VIGYAN KENDRA

Valedictory function

A valedictory function was organised on 6.5.98 for the successful completion of training programmes on Palmyrah Products, Fibre Products, Crochet Wirebag making and Quiltbag making by DRDA Trysem Trainees at Krishi Vigyan



Trainee receiving Tool kit from Dr. K. Nagarajan

Kendra. Dr. K. Nagarajan, Director, CTRI distributed Stipend of Rs.1,000/-, Certificates and tool kits worth of Rs.800/- to each of the 103 trainees from Mallampudi, Gadarada, Tamarada, ST Rajapuram and Perijellipeta of W.G.Dt., A.P.

Tribal Welfare Activity

The Integrated Tribal Development Agency, Rampachodavaram ordered 20 Palmyrah Fibre Separator machines through this KVK for tribal people involved in Palmyrah Fibre labour work. This machine was developed by this KVK to remove drudgery of the workers.

Training Programmes

Two weeks programme on "Repairs of sprayers and dusters" was conducted for two trainees from Kothapeta village of E.G.Dt. from 13.4.98 to 27.4.98.

Demonstrations

Demonstration of Palmyrah Fibre Separator was conducted to 150 farmers and farm women of Rampachodavaram on 20.5.98.

अनुसंधान उपलब्धियाँ

सी.टी.आर.आई., राजमंड्री

जंगली निकोटियाना जातियों से पहली बार प्रत्यक्ष अंतर उपजननिक संकर उत्पादित किये गये।

सी.टी.आर.आई. अनुसंधान केन्द्र, हुणसूर

100 x 55 सें. मी. के अंतराल में एन.एल.एस. - 4 किस्म ने संसाधित पत्तों का अत्याधिक उपज (2014 कि.ग्रा./प्रति हेक्टेयर) दिया जो अन्य किस्मों से 11.8 प्रतिशत अधिक रहा।

सी.टी.आर.आई. अनुसंधान केन्द्र, वेदसंदूर

तमिलनाडु के तटीय क्षेत्र के लिए खैनी तम्बाकू के विमोचन के पूर्व सस्य संबंधी मूल्यांकन की शुरुआत किया गया।

सी.टी.आर.आई. अनुसंधान केन्द्र, दिनहाटा

आशाजनक मोतीहारी तम्बाकू का किस्म सेलेक्शन 8-4-1 ने 3016 कि.ग्रा./हेक्टेयर संसाधित पत्तों का और 1909 कि.ग्रा./हेक्टेयर प्रथम श्रेणी पत्तों का पैदावर के साथ डी.डी.-437 (नियंत्रण) से क्रमशः 20% और 10% बेहतर पाया गया।

तकनोलोजी का स्थानांतरण

सी.टी.आर.आई. के कुछ वैज्ञानिकों ने पूर्व तथा पश्चिम गोदावरी जिलों में कृषि विषयन समिति द्वारा विभिन्न गाँवों में आयोजित कृषक बैठकों में और सामूहिक चर्चाओं में भाग लिया।

सी.टी.आर.आई. अनुसंधान केन्द्र, जिलुगुमिल्ली के वैज्ञानिकों ने कृषि विषयन समिति द्वारा जंगरेड्डीगूडेम में आयोजित कृषक सम्मेलन में भाग लिया।

सी.टी.आर.आई. अनुसंधान केन्द्र, कन्दुकूर के वैज्ञानिकों ने कृषि विषयन समितियों द्वारा आयोजित कृषक बैठक कार्यक्रमों में भाग लिया।

भा.कृ.अनु.प. अंतर आंचलिक भेंट

दिनांक 2 से 5 मई, 1998 के दौरान कासरगोड में आयोजित भा.कृ.अनु.प. अंतर आंचलिक भेंट (आइ.सी.ए.आर. इण्टर जोलन मीट) में भाग लिया और निम्न स्थान प्राप्त किया।

पुरुष: 1. डिस्क थ्रो, प्रथम; 2. शाटपुट, द्वितीय;
3. हाई जम्प, द्वितीय

महिलाएँ: 1. हाई जम्प, प्रथम; 2. डिस्क थ्रो, तृतीय

हिन्दी के नकद पुरस्कार

हिन्दी प्रवीण परीक्षा में उत्तीर्ण होने के उपलक्ष्य में श्री.पी.ई.जिम्मी, तकनीकी अधिकारी टी-5 को 200 रूपयों का नकद पुरस्कार स्वीकृत किया गया। हिन्दी प्राज्ञ परीक्षा उत्तीर्ण होने के उपलक्ष्य में श्रीमती पी. मरियम्मा, वरिष्ठ श्रेणी लिपिक को 200 रूपयों का नकद पुरस्कार स्वीकृत किया गया।

सी.टी.आर.आई. में नये वैज्ञानिक का कार्यग्रहण

डा. (श्रीमती) एम.अनूराधा, वैज्ञानिक (पादप शरीर क्रिया विज्ञान) आई.जी.एफ.आर.आई., झाँसी से स्थानांतरण पर सी.टी.आर.आई., राजमंड्री में दिनांक 05.06.1998 को कार्यग्रहण कर ली।

कृषि विज्ञान केन्द्र

कृषि विज्ञान केन्द्र में डी.आर.डी.ए. ट्राईसेम प्रशिक्षणार्थियों द्वारा पालमिरा उत्पादन, रेशे उत्पादन, क्रोचेट बैग तैयारी और क्विल्ट बैग तैयारी में आयोजित प्रशिक्षण कार्यक्रमों को सफलता पूर्वक पूरा करने के उपलक्ष्य में दिनांक 06.05.1998 को एक समापन समारोह आयोजित किया गया।

गहन जनजातीय विकास एजेंसी, रम्पचोडावरम ने पालमिरा रेशों की मजदूरी काम में लगे जनजातीय लोगों के लिए कृषि विज्ञान केन्द्र द्वारा 20 पालमिरा रेशों का पृथक्कारक यंत्रों के लिए माँग की।

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