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Newsletter

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RESEARCH HIGHLIGHTS

- Seventeen advanced derivatives of interspecific cross *N. tabacum* x *N. gossei*, showing resistance to tobacco aphid were identified. Also, 18 derivatives of interspecific crosses (*N. gossei* x *N. tabacum*) and (*N. umbratica* x *N. tabacum*) with resistance to leaf curl, were identified.
- Thirty four tobacco caterpillar resistant lines were identified among 239 advanced derivatives of interspecific cross *N. tabacum* x *N. gossei*.
- The CMS hybrid, 6-6 ms x JS 78 recorded significantly higher yield over better check, Kanchan with an increase of 48% in green leaf, 50% in cured leaf and 43% in grade index in the replicated trial at CTRI Research Station, Jeelugumilli.
- At CTRI Research Station, Hunsur it was observed that the fungicide, "Companion" containing carbendazim and mancozeb reduced anthracnose disease in FCV tobacco nursery and was on par with the schedule involving triazole (Tilt 25% EC).

TRANSFER OF TECHNOLOGY

TRAININGS/ LECTURES

- Dr. S. Sivarama Krishna, Head, Department of Biotechnology, Acharya NG Ranga Agricultural University, Hyderabad gave a talk on 'Application of Biotechnology in Agriculture' to CTRI Seminar Group on 18th January, 2005.
- CTRI Research Station, Hunsur conducted training programme to new recruits of M/s. GPI Ltd. on 'Introduction to FCV tobacco in KLS' on 8th February, 2005 with Sri K.N. Subrahmanya, Scientist (SG) as the resource person
- A training programme was organized on 'Computer applications in Agriculture' at CTRI, Rajahmundry to eight scientists from AINRP on Tobacco Centres at Shimoga, Nipani, Anand, Berhampur

and Nandyal from 14 - 19 March, 2005. Dr. T.G.K. Murthy, Sri H. Ravisankar, Sri Y. V. S. Narayana, Sri M.N.P. Kumar and Md. Bajuddin were the resource persons for different topics such as MS Office, Internet Accessing and browsing online literature searches, CD-ROM literature searches, software and hardware maintenance, statistical analysis, etc.

- Dr. M.M. Shenoi, Principal Scientist and Head, Sri K.N. Subrahmanya, Scientist (SG) and Dr. M. Mahadevaswamy, Sr. Scientist from CTRI Research Station, Hunsur imparted training to members of Self Help Society for Women on 'Vermicompost production' organized by Nehru Youth Centre, Mysore and Parivarthana, Hunsur at Hunsur on 30th March, 2005.



Trainees with resource persons

CONFERENCES/ TRAININGS/ WORKSHOPS

- ◆ Dr. S. Roy, Sr. Scientist (Plant Pathology), CTRI Research Station, Dinhata attended Indian Phytopathological Society Annual Meet (National Symposium on Crop disease management in dryland agriculture) held at Marathwada Agricultural University during 12-14 January, 2005.
- ◆ Sri S. Jitendranath, Technical Officer, T6 and Dr. P.V.V.S. Siva Rao, Technical Officer, T5 from KVK, Kalavacherla attended the Training Organizers meeting at CRIDA, Hyderabad on 24th January, 2005.
- ◆ Dr. M.M. Shenoi, Principal Scientist & Head, Dr. M. Mahadevaswamy, Sr. Scientist of CTRI Research Station, Hunsur and Smt. T. Aruna Kumari, Technical Officer T6, KVK, Kalavacherla attended the National Seminar on 'Vermitechnology and Waste Management' at Mangalore from 28 - 29 January, 2005.
- ◆ Dr. S. Ramakrishnan, Sr. Scientist, CTRI Research Station, Hunsur attended the Refresher Course on 'Information Technology in Agriculture' at NAARM, Hyderabad from 3 - 23 February, 2005.
- ◆ Sri R. Sudhakar, Technical Officer, T6 from KVK attended 'National youth festival' at L.B. Stadium, Hyderabad on 21st February, 2005.
- ◆ Dr. R.V.S. Rao, Pr. Scientist and Dr. T.G.K. Murthy, Sr. Scientist attended a Training Programme on National Information Sharing Mechanism for Establishment of Global Plan of Action for PGRFA in India (Region III - Southern Zone) from 7-8 March, 2005 at NBPGR Regional Station, Hyderabad.

◆ Dr. S. Amarnath, Principal Scientist and Head, CTRI Research Station, Dinhata and Dr. S. Roy, Sr. Scientist (Plant Pathology) participated in the UGC sponsored 'National Seminar on Changing face of Indian Women' organized by Dinhata College, Dinhata during 21-22 March, 2005.

◆ Dr. B. John Babu, Technical Officer, T8 and Dr. P.V.V.S. Siva Rao, Technical Officer, T5 attended the seminar on 'Improved methods in animal sciences production' at Kerala Agricultural University from 21 - 26 March, 2005

RADIO TALKS

- వర్షీనియా పొగాకు సాగులో సమగ్ర ఎరువుల యాజమాన్యము ప్రాముఖ్యత Dr. P.R.S. Reddy on AIR, Visakhapatnam on 14th January, 2005.
- సోయా చిక్కుడు పోషకములు by Smt. N. Aruna Kumari on AIR, Visakhapatnam on 21st January, 2005.
- పెరటితోటల పెంపకములో మెళకువలు by Sri E. Vijaya Prasad on, AIR, Visakhapatnam on 26th January, 2005.
- అరటి వ్యర్థములతో అడనపు అదాయము by Sri R. Sudhakar on AIR, Visakhapatnam on 4th February, 2005.
- మహిళలకు పోషకాహార కార్యక్రమములు by Smt. Dr. K. Suman Kalyani on AIR, Vijayawada on 17th February, 2005.
- పొగాకులో తెల్లదోమ ఆకుముడుత నివారణ by Dr. J.V. Prasad on AIR, Visakhapatnam on 18th February, 2005
- కొబ్బరి పీచు-స్వయం ఉపాధి by Sri R. Sudhakar on AIR, Vijayawada on 11th March, 2005.

TV SHOWS

◆ Five TV Programmes on 'Disease and insect/ pest problems of tobacco and their control in North Bengal region by Dr. S. Roy on E-TV (Bangla) Annadata during January - March, 2005.

◆ Thirteen TV programmes on different topics were given by Training Organiser & Technical Officers of KVK, Kalavacherla during January - March, 2005 on E-TV (Telugu) Annadata for the benefit of farmers and school dropouts.

PUBLICATIONS

- ★ Amarnath, S., K. Deo Singh and A.K. Pandey. Response of advanced breeding lines of chewing tobacco to varying fertility levels under rainfed and irrigated conditions. Tob. Res. 30(1): 22-6, 2004.
- ★ Deo Singh, K., A.K. Pandey and J.A.V. Prasada Rao. Influence of different proportions of urea, ammonium sulphate and castor cake on yield and physical quality characteristics of chewing tobacco grown in Bihar. Tob. Res. 30(1): 11-5, 2004.
- ★ Kasturi Krishna, S. and S.V. Krishna Reddy. Study on irrigated FCV tobacco based cropping system in Northern light soils of Andhra Pradesh. Tob. Res. 30(1): 90-4, 2004.
- ★ Kasturi Krishna, S., S.V. Krishna Reddy and P.R.S. Reddy. Performance of flue-cured Virginia tobacco (*Nicotiana tabacum*) based cropping systems under irrigated alfisols of Andhra Pradesh.
- ★ Murthy, T.G.K. and I.V. Subba Rao. Some new interspecific hybrids in the genus *Nicotiana*: Characterization and utilization. Tob. Res. 30(1); 33-41, 2004.
- ★ Nageswara Rao, K. and B.V. Kameswara Rao. Effect of potash levels and topping on leaf potassium, yield and quality in flue-cured tobacco. Indian. J. Plant Physiol. 9(3): 288-93, 2004.
- ★ Nageswara Rao, K., D.P. Babu and D. Ramachandram. Maturity and its relation to leaf yield and chemical composition

in FCV tobacco. Tob. Res. 30(1): 52-60, 2004.

- ★ Prasad, J.V. Comparative life table studies of *Spodoptera litura* and *S. exigua* on FCV tobacco seedlings under Southern light soil conditions. Tob. Res. 30(1): 42-7, 2004.
- ★ Prasada Rao, J.A.V., K.S.N. Murthy and S.S. Prasad. Micronutrient status of FCV tobacco grown in traditional black soils (vertisols) of Andhra Pradesh. Tob. Res. 30(1): 104-9, 2004.
- ★ Ravisankar, H., K. Sarala, T.G.K. Murthy, R.V.S. Rao and N. Srinivas Rao. Tobacco germplasm information system. Tob. Res. 30(1): 48-51, 2004.
- ★ Shenoi, M.M., S.S. Sreenivas and K.N. Subrahmanya. Studies on fusarium wilt in FCV tobacco crop of Karnataka light soils. Tob. Res. 30(1): 27-32, 2004.
- ★ Sreedhar, U., G. Ramaprasad and S. Sitaramaiah. Bioefficacy of methofenozide, a novel moult concentrating compound against tobacco caterpillar, *Spodoptera litura* in tobacco nurseries. Tob. Res. 30(1): 72-7, 2004.
- ★ Sreenivas, S.S. and M.M. Shenoi. Tilt 25% EC, atriazole for the management of anthracnose in FCV tobacco nurseries. Tob. Res. 30(1): 99-103, 2004.

MEETINGS HELD AT CTRI

- 'National Science Day' was celebrated on 28th February, 2005 at this Institute with the theme 'Celebration of Physics.' Students from different colleges in Rajahmundry visited the Institute and Laboratories and a meeting was organized to create scientific awareness among students. In his inaugural address, Dr. K. Deo Singh said that the fruits of scientific research and development should reach the gross-roots and requested students and youth to develop scientific temperament.
- The Research Advisory Committee of CTRI met on 8th February, 2005 at CTRI, Rajahmundry under the Chairmanship of Padmasri Dr. M. Mahadevappa, Ex. Chairman, ASRB, New Delhi and discussed the progress of tobacco research at CTRI.
- The Institute Biosafety Committee of CTRI met on 18th January, 2005 at this Institute and discussed the proposal on evaluation of Bt.-transplastomic tobacco lines, to be obtained from CPRI, Shimla against *Spodoptera litura* and also maintenance of available transgenic Bt. lines.
- Forty first Institute Management Committee (IMC) of CTRI meeting was held on 10th January, 2005 at CTRI. Dr. S.A. Patil, Vice Chancellor, UAS, Dharwad and Chairman, QRT presented the QRT recommendations relating to CTRI, AINRPT and KVK in the meeting and IMC approved the recommendations.



Dr.B. Rosaiah, Dr. K. Deo Singh, Dr. M. Mahadevappa, Dr. R. Laximnarayana, Dr. B.K. Patel

FARMERS DAY

Farmers' Day was celebrated at CTRI Research Station, Jeelugumilli on 4.2.2005. Dr. K. Deo Singh, Director, CTRI presided over the function. Dr. P. Gopal Singh, Associate Dean, Agri. College, Aswaraopet, Sri Khajana, Regional Manager, Tobacco Board, Project Director, DWDA, Eluru, Marketing Manager, ITC, Leaf Manager, GPI, farmers' leaders and 500 farmers attended the function. Important tobacco production technologies in NLS were exhibited for the benefit of farmers. Four progressive farmers from different zones were felicitated by the Director. A brochure on "Package of Practices for Kanchan variety for NLS area" was released by Dr. K.Deo Singh.



H.V. Chandrayya, Dr. C.C.S. Rao, Dr. P. Gopal Singh, Dr. K.Deo Singh, Sri P. Khajana and G. Lakshmana Rao

ICAR ZONE III INTER INSTITUTIONAL TOURNAMENTS

The Sports and Games Contingent of CTRI, comprising 41 players together with Sri S.K. Naidu, Principal Scientist as Chief-de-Mission and Sri S.S. Prasad as Team Manager participated in the ICAR Inter Institutional Sports meet in Hyderabad from 3 - 9 January, 2005. CTRI contingent secured winner position in Volley Ball (Shooting); Second place in Pole-Vault and Short Put. Ladies secured Runner-up in Table Tennis (Single) and second place in High jump.



DEPUTY DIRECTOR GENERAL VISIT TO CTRI

Dr. G. Kalloo, Deputy Director General (Crop Science & Horticulture), ICAR visited CTRI, Rajahmundry during 19 - 20 February, 2005. He interacted with the scientists and others about their research programmes and progress and suggested to undertake various experiments on microorganisms that effect tobacco crop.



Dr. G. Kalloo with Scientists in Tobacco field

AWARDS AND RECOGNITIONS

- ❖ The paper entitled 'Information system for FCV tobacco production and marketing trends in India' by H. Ravi Sankar, C. Chandra Sekhara Rao and K. Deo Singh received the Best Paper Award in the section, 'Information and Communication Science and Technology' in the 92nd Indian Science Congress held at Ahmedabad from 3 - 7 January, 2005.
- ❖ Dr. V. Krishna Murthy, Principal Scientist & Head, Division of Crop Chemistry & Soil Science and Dr. U. Sreedhar, Sr. Scientist, Div. of Crop Protection of the Institute were recognized as External Research

Supervisors of Acharya Nagarjuna University, Nagarjuna Nagar, A.P. to guide M. Phil. and Ph.D scholars in the discipline of Environmental Sciences.

RETIREMENTS

- ❑ Sri Gajendra Barman, SS. Gr. II, CTRI Research Station, Dinhatā retired from Council's service on 31st January, 2005.
- ❑ Sri N. Arumugam, SS. Gr. II, CTRI Research Station, Vedasandur retired from Council's service on 31st March, 2005.
- ❑ Sri S. Barman, SS. Gr. II, CTRI Research Station, Dinhatā retired from Council's service on 31st March, 2005.

KRISHI VIGYAN KENDRA

Sixty nine training programmes were conducted in agriculture and allied aspects. A total of 2130 farmers, farm women, rural youth and extension functionaries were trained. Thirteen long duration training programmes were taken up on different subjects ie. rural crafts and horticulture in villages for farm women and rural youth. Three training programmes were conducted for extension func-

tionaries on veterinary subjects. Eight news items on different topics were covered in different regional newspapers such as Eenadu, Vartha and Andhra Jyothi for the benefit of farmers and village women.

Five 'Rytu Sadassu' camps and two Animal Vaccination camps were conducted in different villages.

International Women's Day was celebrated on 8th March, 2005 at KVK Instructional Farm, Kalavacherla. A total of 962 rural women participated in the programme. They were explained about the development activities and also women entrepreneurship development camp was organized to make women self sufficient and improve their living standards.

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