



CTRI News Letter

CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY-5 (A.P.)

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No. 4

MAJOR EVENTS



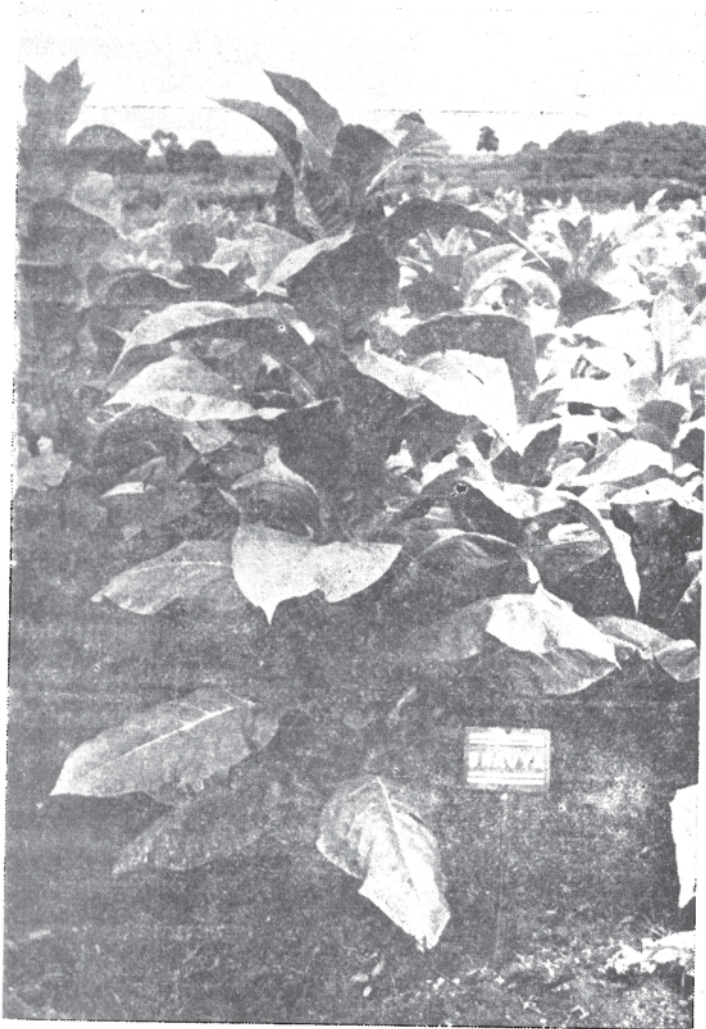
Dr. R. Sinha, Scientist S-3, delivering a lecture

NEHRU CENTENERY YEAR CELEBRATIONS

'Nehru Centenary Year' was celebrated in CTRI Rajahmundry, on 26-11-88. A seminar was organised on 'Special focus on the role of Nehru in modernising agriculture and initiating land reforms'. Director, Scientists and other staff members delivered lectures on this topic.

NEW VARIETY RELEASED

A black shank resistant and nematode tolerant flue cured tobacco variety 'Bhavya' developed at CTRI Research Station, Hunsur was approved for cultivation all along Southern transitional belt of Karnataka by the Central Sub Committee on Crop Standards at its 11th meeting held on 11-10-88 in New Delhi. It is a medium variety with about 1800 Kg/ha of cured leaf production. Cures to bright orange colour and produces about 75% bright grades.



BHAVYA

RESEARCH HIGHLIGHTS

CTRI, RAJAHMUNDRY

- 1) In alfisols application of DAP (18.46.0) @ 30 Kg N as basal dressing to tobacco nurseries followed by potassium nitrate (16.0-14.5) @ 50 kg N/ ha in five equal splits as top dressing increased the transplatable seedling production by 38% when compared to ammonium sulphate (20.5.0.0) both as basal dose and top dressings (control) .

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- 2) Among the 50 genetic stock material screened for black shank resistance (*Phytophthora parasitica* F. *nicotianae*) race-0, four cultivars viz., 1) R 76-8MR, 2) No. 303 B.S Resistant, 3) No. 304 TMV B. S. Resistant, 4) Matsukwa Bacterial Wilt Resistant were found free while three varieties viz., Mc Nair 373, 2) PBG-2 Black-shank Resistant, 3) Matsukwa TMV resistant, showed very light infection.
- 3) Under TMV screening 17 varieties were found resistant to TMV, showing resistance of *glutinosa* type.
- 4) During the nursery season damping-off and leaf blight diseases were controlled with two sprays of Ridomil MZ 72 W. P. @ 0.2% concentration at 30 and 45 days after sowing. This new fungicide gave 85 to 90% control of these diseases. Bavistin @ 0.05% gave good control of anthracnose and frog-eye spot diseases.
- 5) Namacur 5 G @ 5 kg ai/ha; Rugby 10 G @ 10 kg ai/ha and Hoe 388 5 G @ 10 kg ai/ha gave 50 to 80% control of root knot of nematode disease in the seed beds.

CTRI RESEARCH STATION, GUNTUR

- 1) Leaf curl was less in early date of planting i.e 20th October and 5th October compared to the late planting dates.
- 2) Seven varieties viz.1) Candel, 2) Oxford, 3) Florclde-22, 4) Hicks S. F. mutant, 5) Hicks 103, 6) HE-22 and 7) Hirae, have showed negligible incidence of leaf curl.

CTRI RESEARCH STATION, VEDASANDUR

- 1) In a feeler trial on the effect of Bio-fertiliser in tobacco nursery, application of night soil compost alone @ 50 t/ha as basal produced 1,335 transplants/m² on par with application of "Azospirillum" alone (1,041-transplants/m²).
- 2) Application of pre-emergence herbicide "Thiobencarb" at 0.5 kg ai/ha effectively controlled the weeds and resulted in production of 371 transplants/m² comparable to those produced in the case of hand weeded plots (380/m²).
- 3) About 90% mortality of caterpillars was observed on the selection. HV. 84-5.

CTRI RESEARCH STATION, PUSA

- 1) In the multilocational trial of advanced breeding lines, HP 76-1 appeared the most promising at all the locations.
- 2) Neem Oil Emulsion (NOE) 35% applied at 10 days after topping and again at 20 days after first application appeared to be more promising in control of suckers.

OTHER ACTIVITIES

GROUP DISCUSSIONS

- 1) A group discussion on 'Status of white burley tobacco in East Godavari Agency area' was held under the Chairmanship of Dr. M. S. Charl, Director, CTRI on 22-10-88, Mr. Pratap Reddy, ITC, Mr. S. Kori, Director, Directorate of Tobacco Development, Dr. R. Lakshminarayana, Project Co-ordinator (Tobacco) Mr. P. Khajana, Tobacco Board, Officials from Nationalised Banks and Progressive farmers and Scientists from CTRI have participated and discussed the various problems on production and marketing of burley tobacco.

- 2) Sri K. Appa Rao, Scientist S-3 and Head, Division of Genetics & Plant Breeding and Sri M. Someswara-Rao, Scientist S-2, Agronomy participated in the group discussions arranged by Auction Superintendent, Tobacco Board at Kapavaram on 5-11-88. Under R&D programme potassium sulphate was distributed to the adopted farmers by Tobacco Board. The discussion centered around varieties and plant row plough furrow manuring.
- 3) Sri M. Umamaheswara Rao, Scientist S-2 and Dr. B. Sarat Babu, Scientist S-1 of CTRI Res. Station, Guntur have attended the group discussions with farmers and visited fields in Bhadrachalam area under yield and quality improvement programme, on 18-11-88 and 19-11-88.

SEED DISTRIBUTION

CTRI Research Station, Hunsur has produced and supplied pure seed of the varieties viz, i) FCV Special, 550 kg, ii) Bhavya, 300 kg and iii) Swarna, 18 kg to Karnataka farmers for the season 1989-90.

KRISHI VIGYANA KENDRA ACTIVITIES

- 1) Eighty one training courses were conducted to 1,208 farmers and rural youth and 799 farm women and School dropouts in Crop Production, Animal Science Production, Home Science, Rural Crafts and Horticulture.
- 2) Forty six method demonstrations and 2 result demonstrations were conducted on Pulses, Oilseeds, Tobacco, Horticultural Crops, Animal Science production, Home Science and Rural Crafts aspects. A total of 652 farmers and 389 farm women and school dropouts have participated. An increased yield of 1,852 kg/ha of paddy and 143 kg/ha groundnut was recorded in the demonstration plots.

3) One Field day and World Food Day were conducted in the adopted village Velugubanda on 21-10-88. An exhibition was arranged with all disciplines and demonstrations were conducted on low cost nutritious recipes with locally available cereals, pulses

and oil-seeds. Four hundred farmers and rural youth were benefitted. A total of 19 slide shows and 5 video shows were screened benefitting 1,435 farmers, farm women and school dropouts.

APPOINTMENTS

No.	Name	Grade	Place of Duty	Date of appointment
1.	Sri C. Nehru	Jr. Clerk	CTRI Res. Station, Vendasandur	21-9-88
2.	" Kamlesh Mahto	S S.Gr. I	" Pusa	10-10-88
3.	" Y.V. Suryanarayana	Tech-T-6	CTRI, Rajahmundry	26-10-88
4.	" M.B S.V.V. Satyanarayana Murthy	Senior Res Fellow	CTRI Res. Station, Kandukur	27-10-88
5.	Smt. Nanjamma	S.S.Gr.I	CTRI Res. Station, Hunsur	31-10-88
6.	" R. Lakshamma	"	" "	31-10-88
7.	Sri B. Narasimha Rao	Tech. T-6	K.V.K. Rajahmundry	4-11-88
8.	" C.V. Narasimha Rao	Scientist -S2	CTRI, Rajahmundry	25-11-88
9.	" V. Annadurai	Tech. T-1	CTRI Res. Station, Kandukur	19-12-88
10.	" Dharam Das	Accounts Officer	CTRI, Rajahmundry	24-12-88

PROMOTIONS

No.	Name	GRADE		Place of Duty	Date of promotion
		From	To		
1.	Dr K. Nagarajan	Scientist S-3	S-3 (S-4 Personal)	CTRI, Rajahmundry	1-1-1985
2.	Dr. B.V Kameswara Rao	" S-2	S-3	CTRI, Rajahmundry	1-1-1985
3.	" R. G Pandey	" S-2	S-3	CTRI, Res. Station. Pusa	"
4.	" P.S.N Murthy	" S-2	S-3	CTRI, Rajahmundry	1-7-1985
5.	" J A.V. Prasada Rao	" S-1	S-2	"	1-1-1985
6.	Sri R.P. Srivastava	" S-1	S-2	CTRI Res. Station, Pusa	1-1-1985
7.	" M. Sannibabu	" S-1	S-2	CTRI, Rajahmundry	1-1-1985
8.	" R. Srinivasulu	" S-1	S-2	CTRI Res. Station, Kandukur	1-7-1985
9.	" B. Nageswara Rao	Tech T-7	T-8	CTRI, Rajahmundry	1-1-1987
10.	" M.V.S Sarma	Sr. Clerk	Asst.	"	30-12-1988
11.	" M. Ramamohana Rao	Jr. Clerk	Sr. Clerk	"	"
12.	Kum J.V.R. Satyavani	Jr. Clerk	Sr. Clerk	"	"
13.	Sri J Sarangapani	Supdt.	AAO (B)	"	31-12-88

TRANSFERS

No	Name	From	To	Date
1.	Sri N. Srinivasa Rao, Jr. Steno	CIAE, Bhopal	CTRI, Rajahmundry	2-9-88
2.	" K. Venugopala Rao, T-I-3	CTRI, Rajahmundry	CTRI Res. Stn., Jeelugumilli	5-10-88
3.	Dr. V. Krishna Murty, S-2	" "	" Dinhata	24-10-88
4.	Sri K Ramu, T-2	NDRI, Karnal	CTRI, Rajahmundry	7-12-88
5.	" K. Raman, AAO (E)	CTRI, Rajahmundry	NRC for Soyabean, Indore	12-12-88
6.	" I.V. Subba Rao, T-5	CTRI Res. Stn. Kandukur	CTRI, Rajahmundry (Farm)	14-12-88
7.	" N. Ayyappa Naidu, Jeep Driver	CTRI Res. Stn , Guntur	CTRI, Rajahmundry	15-12-88
8.	" V. Guruswamy, Jeep Driver	CTRI Res. Stn., Kandukur	CTRI, Res. Stn., Guntur	3-12-88
9.	" G. Narasimha Reddy, Asst.	CTRI, Rajahmundry	NAARM, Hyderabad	26-12-88

RETIREMENTS

No.	Name	Designation	Place	Retirement Reason	Date
1.	Sri V. Soundara Rajan,	Tech. T-5,	CTRI Rajahmundry	Superannuation	30-11-88
2.	" V. Nageswara Rao,	Tech. T-I-3	" "	Voluntarily	1-12-88
3.	" Y. Hayagreevudu,	A A O.,	" "	Superannuation	31-12-88
4.	" S.K. Mazumdar,	Asst ,	CTRI Res. Station, Dinhata	"	31-12-88
5.	" P C. Chakraborty,	S.S. Gr. III,	CTRI Res. Station, Dinhata	"	31-12-88

CONFERENCES / SYMPOSIA / SEMINARS / WORKSHOPS/TRAINING COURSES

- 1) Dr. R. G. Pandey, Scientist S-3, Srivastava, Scientist S-2, and S. Amarnath, Scientist S-1 CTRI Research Station, Pusa have attended a seminar organised by IFFCO at Bhagwanpur, Vaishali Dt , on 17th October, 1988 and delivered lectures on tobacco cultivation, curing, handling etc.
- 2) Dr. Dilip Monga, Scientist S-1, CTRI Research Station, Dinhata attended a conference organized by BC Krishi Vidyalaya, Mohanpur on 12-11-88. and presented a paper on 'Chemical control of brown spot on Mutinari tobacco'.
- 3) Sri M Sannibabu, Scientist S-2 and Mrs. V. V. Laxmi Kumari, Tech T-6 (KVK) have attended the International Conference on 'Appropriate Agricultural Technologies for farm women' during 30th Nov - 6th Dec., 1988 in New Delhi and presented a paper entitled "Participation of women in FCV tobacco cultivation and its implications for research and development" by V. V. Laxmi Kumari and M.S. Chari.
- 4) Sri C. V. Raghavaiah, Scientist S-2 & Officer-in-Charge, Dr. R.V.S. Rao, Scientist S-2 and Sri S. Aruisamy, Tech. T-4 of CTRI Res. Station, Vedasandur attended the Pre-season Rabi training to Agricultural Staff organised by Dept. Agriculture (T&V) Erode at Agricultural Research Station, Bhavanisagar on 2-12-88, and explained about the latest tobacco technology.

- 5) Sri C. V. Raghavalah, Scientist S-2 attended Zonal workshop conducted by Dept. Agriculture (T&V) at Agri: College, Madurai on 14-12-88.
- 6) Sri T.S.N. Reddy, Scientist S-2 (Pathology) attended the first training course on "Sereodiagnosis of plant virus diseases" from 19-12-88 to 24-12-88 at Advance Centre for Virology, Div. of Mycology and Plant Pathology, I.A.R.I., New Delhi.
- 7) Sri R. Athinarayanan, Technician T-4 attended the "Pre-season Rabi training to Agricultural Staff" organised by Department of Agriculture (T&V) Tanjore at farmers' training centre Aduthurai and explained about Tobacco cultivation on 21-12-88.
- 8) Sri Y.V. Suryanarayana, Documetation Officer has attended All India Seminar on Agricultural Library & Information Sciences held at Pantnagar during Dec. 26-29, 1988 and presented a paper on 'Physical Stock Verification in CTRI Library' .
- 9) Sri M. Mohan, Tech. T-5 and Sri S. Arulsamy, Tech T-4 attended the farmer's meet at Mettupalayam organised by the Asst. Director of Agric. (T&V) and gave a seminar talk on "Tobacco crop production technology including seed bed management".
- 4) Sri G V G. Krishna Murthy gave a radio talk from AIR, Visakhapatnam on 'Fungal' diseases of FCV tobacco and their control' on 5-11-88.
- 5) Dr. M.S. Chari, Director gave a radio talk from AIR, Visakhapatnam on "Production practices of FCV tobacco in Andhra Pradesh" on 1-12-88.
- 6) A documentary feature on CTRI was broadcasted by AIR, Vijayawada on 25-12-88.

VISITORS

CTRI, RAJAHMUNDRY

- Mr. Kabede Woldu, Mr. Madefro Gebru and Mr. Teye Bekela Besta of National Tobacco of Matches Corporation, Addis Ababa, Ethiopia on 13-10-88.
- Miss Mary Underwood, Overseas Development Agency, UK, and Dr. N.P. Singh, Scientist, ICAR, New Delhi on 9-12-88.
- Mr. Samera wera from Sri Lanka on 11-11-88.

RADIO and TV

- 1) Dooradarshan Kendra, Hyderabad has telecasted a programme on 'Black soil tobacco production technologies' on 12-10-88.
- 2) Dr. P.R.S. Reddy, Scientist S-2, gave a radio talk from AIR, Visakhapatnam on 'Effect of soil chlorides and water quality of FCV tobacco' on 6-10-88.
- 3) Sri R.S.N. Rao, Scientist S-2, gave a radio talk from AIR, Visakhapatnam on "Integrated approach in control of pests with special reference to Nuclear Polyhedral virus and neem seed kernal suspension" on 31-10-88.



Dr. S. R. Prabhu, Scientist S-2 explaining the research activities to Ethiopia delegates.

CTRI RESEARCH STATION, PUSA

- Dr. R. Lakshminarayana, Project Co-ordinator (Tobacco), Dr. B.N. Patel, Pathologist, AICRP (T) on 25-12-88.
- Dr. Ambika Singh, Ex-ADG, ICAR on 26-12-88.

CTRI RESEARCH STATION, HUNSUR

- Forty farmers from Punjab, Haryana, Bihar and Gujarat visited under 'Farmers Integration programme, organised by IFFCO on 16-12-88.

CTRI RESEARCH STATION, KANDUKUR

- Sri Markus Loffler and Sri Jurgen Schulz, Ecological Engineers from West Germany on 27-10-88 and 16-11-88.
- Sri B. Subrahmanya Sastry, Asst. Director of Agriculture, Ongole, Sri R. Rama Mohana Rao, Asst. Director of Agriculture, Sri G. Sambasiva Rao, Asst. Director of Agriculture (Plant Protection, Kandukur) on 3-11-88.

PAPERS PUBLISHED

1. AMARNATH, S, Genetic variability in chewing tobacco (*N. tabacum L.*). Madras Agric. J. 74 (10-11) : 421-5, Oct-Nov., 1987.
2. ANJANEYULU, C; NAGARAJAN, K. and RAMJILAL. Evaluation of fungicides against frog-eye spot (*Cercospora nicotianae*) disease in transplanted burley tobacco. Indian Phytopath. 41 (2) : 233-5, June, 1988.
3. CHARI, MS Improved technologies for increasing productivity and quality in FCV tobacco. Seminar on Tob. Exports, held at New Delhi Feb. 20, 1988.
4. CHARI, MS; RAMAPRASAD, G. and S. SITARAMAIAH. Integrated pest control measures for tobacco caterpillar, *Spodoptera litura* F in tobacco nurseries. (In Telugu) Annadata 20 (11) : 30-1 Nov. 1988.
5. KRISHNAMURTHY, V; RAMAKRISHNAYYA B.V. and K.S.N. MURTHY. Fertility status of flue-cured tobacco soils of Mysore District in Karnataka. Indian Tob. J. 20 (1) : 9-11, 1988.
6. RAGHAVAI AH, CV and T. KRISHNAMURTHY. Studies on weed control in tobacco seedbeds in India. Indian J. weed Sci. 18 (4) : 210-5, 1986.
7. SRIVASTAVA, R.P and BHASKAR A.B. Physical and chemical changes occurring during fermentation and aging of chewing tobacco (*N. tabacum L.*) Indian Tob. J. 20 (1) : 12-4. 1988.
8. SUBHASHINI, U; VENKATESWARLU T. and G. S. R. PRASAD. Cytogenetics of *Nicotiana debneyi* X *Nicotiana tabacum* hybrid produced by tissue culture. (In Cytogenetics of higher plants : Chromosome structure and behaviour. Ed. by V.R. Reddi and M.K. Rao, Waltair, Andhra Univ., 1985. pp. 99-105).

**OBITUARY**

Sri K. Nagaraj, Tech. T-1, C. T. R. I., Rajahmundry passed away on 9-11-88. Born on 25-4-50. Joined as S.S.Gr. I on 26-9-77.

