



CTRI News Letter

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MAJOR EVENTS

The newly built Lab-cum-Office Building of CTRI Research Station, Vendasandur (Tamil Nadu) was inaugurated by Dr. N. C. Gopalachari, Director and the museum by Sri V. P. Balasubramanian, Dy. Speaker of Tamil Nadu State Assembly on 4th October, 1985.

Dr. N. C. Gopalachari, Director retired from the Council's service on the A. N. of 31st October, 1985. Shri B. G. Joshi, Scientist S-3 & Head of the Division, Entomology has taken charge as Director in-charge.



Inaugural address by Dr. N. C. Gopalachari after inauguration of the building at CTRI Research Station, Vendasandur.



Dr. N. C. GOPALACHARI
Director (Retd)



Shri B. G. JOSHI
Director (Incharge)

RESEARCH HIGHLIGHTS

CTRI, Rajahmundry :

A nursery trial conducted on rabbing and mixing of ash in the beds showed that rabbing controlled the weeds compared to no rabbing. Mixing of ash had

improved germination, growth, yield of transplants and total seedlings compared to no mixing of ash. Application of nitrogen in the first 30 days increased the growth of the seedlings but did not have any effect on the yield of transplants or total seedlings. Thus the main beneficial effect of rabbing is due to mixing of ash in the beds, in addition, the weeds were also controlled.

Octanol and Dodecanol (both fatty alcohols) at different concentrations were compared with neem oil emulsions and hand suckering for control of suckers. The results showed that when yield, quality factors and economics were taken into consideration, application of Dodecanol at 4% applied once, is the best followed by Octanol at 2% applied twice compared to hand suckering.

In vitro hybridization is being tried to get new interspecific hybrids of economic importance. Irradiated pollen of tobacco (γ -rays of doses 5 KR, 10 KR and 15 KR) was utilized to pollinate wild species of *Nicotiana* viz., *N. nesophila* and *N. repanda*. Fertilized ovules from these crosses were inoculated on to Nitsch (1960). These crosses will be repeated.

CTRI Research Station, Guntur :

Turkish tobacco varieties Samsun, Xanthi, Soluky and Smyrna were transplanted at Vinukonda as well as at the Research Station's farm to study their performance in black cotton soils of Guntur district.

CTRI Research Station, Veda sandur :

In a nursery experiment on the effect of various seed bed covers and watering schedules on the production of transplants in tobacco nursery, trends show that 5 waterings per day gave more transplants (3,391/bed of 2.5 m²) followed by 6 waterings per day (3,374 Nos) and 4 waterings per day (3,131 Nos.). Regarding seed bed covers, palmyrah fibre cover gave the highest number of transplants (4,383 Nos.) while *Sanchrus*

cillares cover had given only 3,957 Nos. The combination of 6 waterings per day + Palmyrah fibre cover gave maximum transplants (4,687 Nos.) followed by 5. waterings per day with the same cover (4,445 Nos.).

CTRI Research Station, Dinhat a :

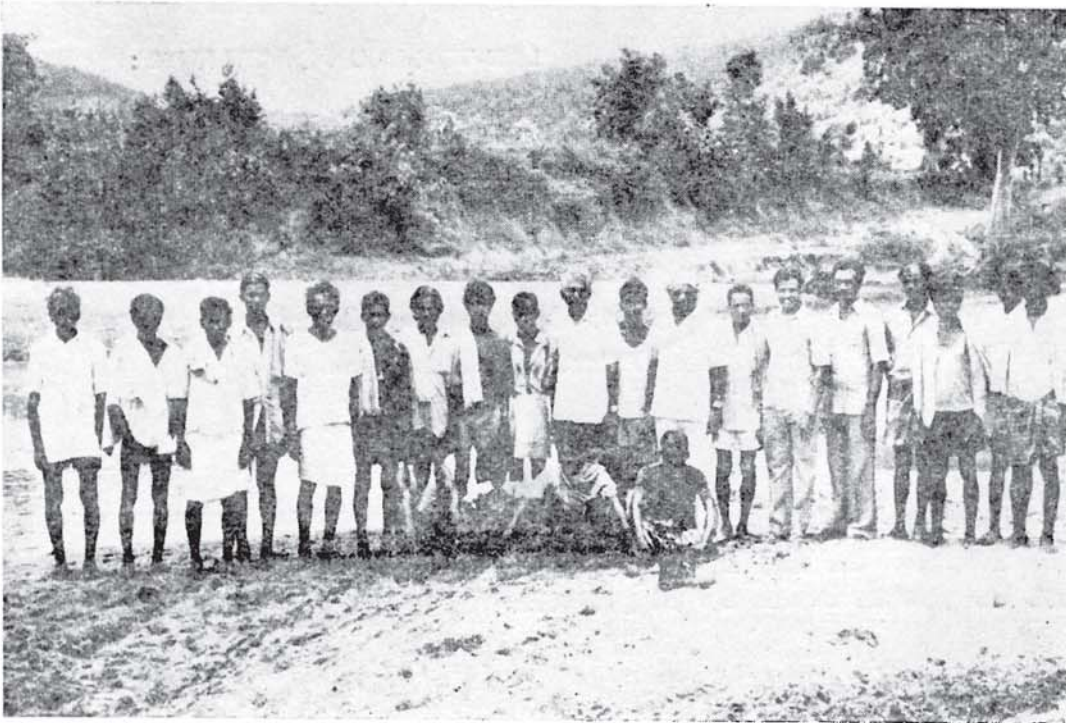
The improved Motihari (*N. rustica*) line HDM-1, performed very well at different locations and proved to be superior to the existing local varieties.

Use of Diammonium phosphate was as effective as single superphosphate and triple superphosphate, but significantly superior to Puruliaphos and Mussooriephos.

LAB-TO-LAND PROGRAMME :

The number of families selected in this district are 50 at 25 families each in Gundlapalli and Venkatapuram. Under this programme 40 kg. DAP, 100 Kg. Superphosphate and Metasystox at one lt. were distributed to each farm family.

Critical inputs for tobacco cultivation were distributed to 200 farm families adopted by the CTRI Research Station, Pusa.



1. Inauguration of Lab to Land Programme at Kalavarpatti, in Tamil Nadu. Sri S Krishnamurty, Officer-in-charge, CTRI Research Station, Vedasandur addressing the gathering

2. Dr. N. K Sanghi, Zonal Coordinator (Lab to Land Programme) with the Lab to Land farmers of Chintapalli.

Conferences, Seminars & Training :

Dr. R. Lakshminarayana, Scientist S-2, Plant Breeding, CTRI Research Station, Vendasandur addressed a seminar on chewing tobacco cultivation at Pithalaipatti (Tamil Nadu) organised by M/s. Madras Fertilizers Limited and addressed a seminar meeting at Vennaimalai, (Tamil Nadu) sponsored by T & V Wing of the State Agricultural Department.

Sri S. Krishnamurthy, Scientist S-3 & Officer-in-Charge, CTRI Research Station, Vendasandur delivered a lecture on tobacco cultivation at Tamil Nadu Agricultural University, Coimbatore on 29-10-1985 and attended a seminar on 20-11-1985 at Gandhigram Rural University and addressed the State Agricultural Officers on tobacco cultivation in Tamil Nadu.

Dr R. Sinha, Scientist S-3 and Officer-in-Charge, CTRI Research Station, Pusa, participated in the symposium on Agricultural Education and Research in India organised by the Indian Society of Agriculture at IARI, New Delhi from October 27-29, 1985.

A course on the introduction to Computers TDC, 316. has been initiated by the Statistical Wing of the Institute to impart knowledge about the Computer system and its peripherals and data feeding on key to floppy techniques. The following scientists have been trained so far: Sri V. V. Ramana Rao, Scientist S-2, Genetics & Plant Breeding; Dr. S. R. Prabhu, Scientist S-1, Biochemistry & Plant Physiology; Sri G. V. G. Krishnamurthy, Scientist S-2, Plant Pathology and Shri S. K. Naidu, Scientist S-1, Ag. Extension.

An exhibition covering important achievements of Tobacco Research was displayed by the Ag. Extension

Division at Andhra Christian College, Guntur from 23-31 November, 1985.

T. V. Shooting on package of practices for F. C. V. tobacco has been covered by the Doordarshan Kendra, Hyderabad from 9-12 October, 1985.

Visitors :**CTRI, Rajahmundry :**

Mr. G. M. Shou, Research Officer, Rural Development, Chingu, S. Korea (Rep.)

Mr. Robert C. D. Bowles, International Forest Science Consultancy, Edinburgh, U. K.

Sri G. Sridhar, Department of Mechanical Engineering, University of Pennsylvania, Philadelphia, U. S. A.

Sri V. V. S. Murthy, Senior Rice Breeder, AICRRIP, Hyderabad.

Sri S. N. Panikar, Deputy Director, Tobacco Development, Madras.

Sri S. N. Pathak, Agricultural Engineer, CPPTI, Rajendranagar, Hyderabad.

Sri A. S. Suryanarayana Murthy, Deputy Executive Engineer, Irrigation Department, Srisailem Project.

Mr. Rymond Peter, IAS., Assistant Collector, Hyderabad.

Mr. D. Johnson, Assistant Personnel, ILTD, Rajahmundry.

Capt. E. Jayaraman, Area Manager, FACT, Hyderabad.

Sri P. Rajendran, Asst. Prof. of Agronomy (NARP). Regional Research Station, Paiyur (Tamil Nadu) visited the CTRI Research Station, Veda sandur (Tamil Nadu).

Prof. B. B. Dutta, Vice-Chancellor, North Bengal University and Prof. B. K. Bajpai, Registrar, North Bengal University, Siliguri visited the CTRI Research Station, Dinhat a (West Bengal)

APPOINTMENTS & PROMOTIONS

Appointments :

Shri D. Ramachandram has been appointed to the post of Scientist S-1 (Agronomy) w. e. f. 1-1-1983 on Five Yearly Assessment.

Shri G. Raghupathi Rao has joined the post of Scientist S-1 (Ag. Entomology) w. e. f. 3-10-1985 at CTRI Research Station, Kandukur.

The following persons have been absorbed into regular establishment and appointed to the post (s) of S. S. Gr. I (Beldar) :

Sri P. Aravaraju, CTRI, Rajahmundry w. e. f. 20-11-1985.

Sri K. Nagaraju, CTRI, Rajahmundry w. e. f. 20-11-1985.

Sri S. Anjaneyulu, CTRI Research Station, Guntur w. e. f. 22-11-1985.

Sri P. Janakiramayya, CTRI Research Centre, Chintapalli w. e. f. 29-11-1985.

Sri M. Satyanarayanamurty, CTRI Research Centre, Chintapalli w. e. f. 29-11-1985.

Sri Ambika Barman, CTRI Research Station, Dinhat a w. e. f. 25-11-1985.

Sri Lalit Barman, CTRI, Research Station, Dinhat a w. e. f. 25-11-1985.

Sri Mahendra Barman, CTRI Research Station, Dinhat a w. e. f. 25-11-1985.

Sri Ramprit Sah, CTRI Research Station, Pusa w. e. f. 26-11-1985.

Sri Nathuni Sah, CTRI Research Station, Pusa w. e. f. 26-11-1985.

Sri Md. Ganni, CTRI Research Station, Pusa w. e. f. 26-11-1985.

Promotions :

The following persons have been promoted to the next higher post with effect from the dates noted against each.

Sri A. Surya Sarma, CTRI Rajahmundry promoted as Superintendent w. e. f. 18-11-1985.

Sri D. N. Ray, CTRI Research Station, Dinhat a promoted as Assistant, w. e. f. 9-12-1985.

Sri K. Satyanarayana, CTRI, Rajahmundry promoted as Tech. T-1 at CTRI Research Station, Hunsur w. e. f. 30-10-1985.

Sri P. C Chakraborty, CTRI Research Station, Din-hata promoted as S. S. Gr. III w. e. f. 1-10-1985.

Sri N. Muthan, CTRI Research Station, Veda-sandur promoted as S. S. Gr. III w. e. f. 1-10-1985.

Sri D Biswas, CTRI Research Station, Din-hata pro-moted as S. S. Gr. III w. e. f. 13-12-1985.

Sri S. Rajeswara Rao, CTRI, Rajahmundry promoted as S. S. Gr. II w. e. f. 18-10-1985.

Sri P. S. Gopalakrishna, CTRI, Rajahmundry promo-ted as S. S. Gr. II w. e. f. 18-10-1985.

Sri B. Raja Rao, CTRI, Rajahmundry promoted as S. S. Gr. II w. e. f. 16-12-1985.

Transfers :

Dr. C. A Raju, Scientist S-2, has been transferred from CTRI Research Station, Pusa to CTRI, Rajahmundry w. e. f. 8-11-1985.

Sri J. Sarangapani, Superintendent has been trans-ferred from CTRI Research Station, Kandukur to CTRI, Rajahmundry w. e. f. 4-12-1985.

Sri C. V. V. Satyanarayana Murthy, Tech. T-4 has been transferred from CTRI Research Station, Hunsur to CTRI, Rajahmundry w. e. f. 28-10-1985.

Sri R. Athinarayanan, Tech. T. II-3 has been trans-ferred from CTRI, Rajahmundry to CTRI Research Station Veda-sandur w. e. f. 4-11-1985.

Sri V. V. Krishnamacharyulu, S. S. Gr. I has been transferred from Research Station, Kandukur to CTRI, Rajahmundry w. e. f. 7-12-1985.

Retirements :

Sri B. R. John, Sr. Clerk has retired from Council's service on superannuation w. e. f. 31-10-1985.

Sri.K Ramalinga Reddy, S. S. Gr. III CTRI Research Station, Guntur has retired from Council's service w.e.f. 30-11-1985.

PAPERS PUBLISHED

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Theor. Appl. Genet. 79(3) : 225-226, 1985.

Stock position-Factor influencing Nicotine in diffe-rent tobacco genotypes.

Krishna Murty, A. S. and Hanumantha Rao, A.
Tob. News 8(3) : 5-6, 1985.

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Raghavaiah, C. V; Sannibabu, M; Satyanarayana murty, B. V. V. and Ramamohana Rao, I. B.
Indian J. Agric. Sci 55(9) : 590-5, Sept. 1985.

Glossary of terms used in plant position, grading in Andhra and Karnataka states.

Sanni Babu, M. and Kameswara Rao, B. V.
Tob. News 8(3) : 7-10, 1985.

Impact of some cultural practices on grade outturn on flue-cured tobacco under Northern light soil conditions of Andhra Pradesh.

Sanni Babu, M.
Tob. News 8 (3) : 12-9, 1985.

Biological control of *Myzus persicae* Sulz.

Rao, R. S. N. and Jagadishchandra, I.
Indian J. Agric-Sci. 55(10) : 654-6, 1985.

Note on more additions to the natural enemy complex of *Spodoptera litura* F. and *Myzus persicae* Sulz on tobacco in Andhra Pradesh.

Rao, R. S. N. and Satyanarayana, S. V. V.
Curr. Science, 53 (4) : 201-2, 1984.

Yield, quality and economics of 'Jati' tobacco as influenced by levels and methods of manurial application.

Singh, B. L. and Tripathi, S. N.
Indian J Agric. Sci 55 : 739-42, 1985.

Combining ability analysis in cigar-filler tobacco.

Naskar, S. K. and Rao R. V. S.
Indian J. Agric, Sci. 54(8) : 651-4, 1984.

Myo-inositol induced growth in ethyl methane sulphonate treated tobacco.

Rao, S. V.
Theor. Appl. Genet. 67(2/3) : 203-5. 1984.

Yield improvement in Indian flue-cured tobacco.

Satyanarayana, K. V; Lakshminarayana, R. and Narayanarao, R. B.
Indian J. Agric Sci. 55(11) : 674-9, 1985.

Edited & Compiled by M. C. M. Reddy & A. Haranath