



समाचार Newsletter

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CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY

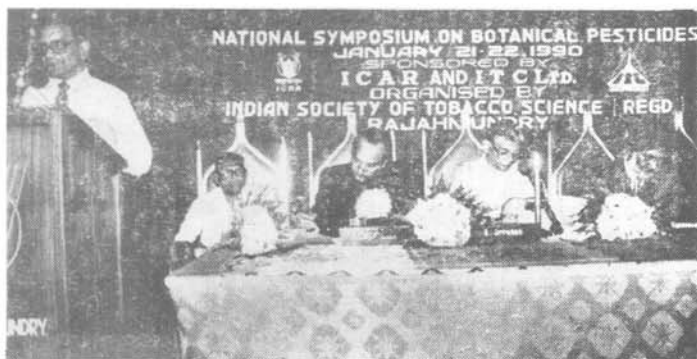
MAJOR EVENTS

SYMPOSIUM ON BOTANICAL PESTICIDES

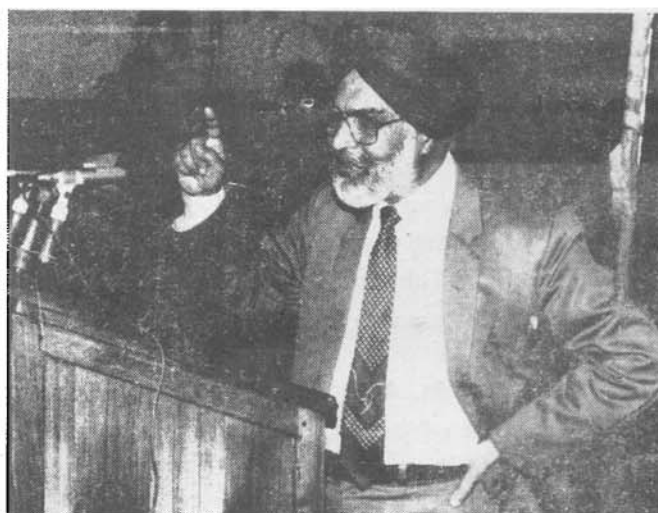
National symposium on "Problems and prospects of Botanical Pesticides in Integrated Pest Management" was organised by Indian Society of Tobacco Science on 21st & 22nd Jan, 1990 with the collaboration of Indian Council of Agricultural Research, New Delhi & ITC Ltd, Calcutta at the New CTRI building complex, Rajahmundry.

The main theme of the symposium was to popularise botanical pesticides for control of pests & diseases on crops instead of synthetic pesticides which lead to environmental pollution, toxicity to predators and parasites and pesticide residual problems on crops. Scientists from all over the country participated and contributed 62 research papers. Dr. M. S. Chari, Director opined that the deliberations and recommendations from this symposium will go a long way in opening a new chapter in the use of botanical pesticides in pest &

disease management, which will prove as a low cost technology to Indian farmers. Officers-in-charge of CTRI Research Stations and Scientists of CTRI & CTRI Research Stations attended the symposium.



Dr. M. S. Chari welcoming the delegates.

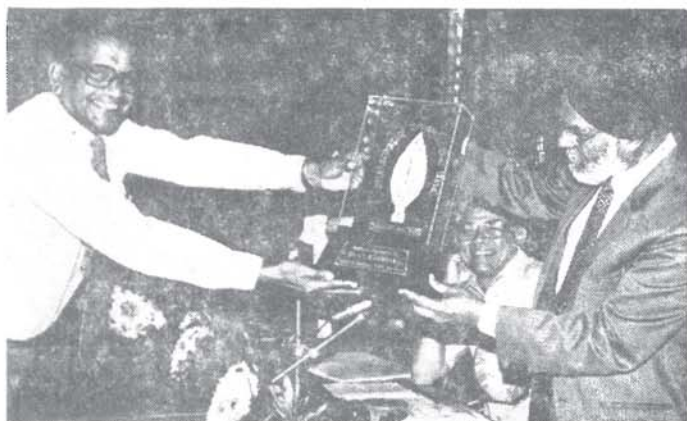


Dr. N. S. Randhawa addressing the gathering.



Dr. N. S. Randhawa lighting the lamp.

Padma Bhushan Dr. N. S. Randhawa, Director General, ICAR and Secretary to Govt. of India inaugurated the symposium and Dr. A. Appa Rao, Vice Chancellor, APAU presided over the function. On this occasion Padma Bhushan Dr. N. S. Randhawa was felicitated by ISTS. Sri B. G. Joshi, Emeritus Scientist of CTRI was honoured by Sri J. Narayana, Vice President of ITC Ltd, for his excellent work on neem seed products for the control of tobacco pests.



Dr. M. S. Chari presenting a memento to Dr. N. S. Randhawa,

STAFF RESEARCH COUNCIL MEETING

Staff Research Council Meeting was held at Agricultural Research Station, Navile, Shimoga, from 13th to 14th March, 1990. The meeting was attended by Dr. R. Lakshminarayana, Project Co-ordinator (Tobacco), Sri S. Kori, Director, Directorate of Tobacco Development, Madras, Dr. B. V. Ramakrishnaya, Director (Tech), Tobacco Board, Guntur, Dr. T. S. Subrahmanyam of M/s. ILTD Ltd., Sri S. S. Adkoli of M/s. Rallis India Ltd., Bangalore, Dr. K. L. Wagray of M/s. VST Industries, Hyderabad and Sri C. Chandran I. A. S. Director (Auctions) Tobacco Board, Bangalore, Scientists of CTRI and CTRI Research Station, Hunsur.

Dr B. S. Naidu, Associated Director of Research, Regional Research Station, Shimoga welcomed the gathering. Dr. M. S. Chari, Director, CTRI, in his inau-

gural address mentioned that FCV Tobacco from Karnataka light soils is in good demand and there is good potential to expand the area to about 20,000 hectares. He explained the new production technologies introduced in Karnataka viz., Ridomil for the control of damping-off and blackshank; Durofume technology for the control of root-knot and the steps taken to combat the anti smoking campaign. In this context he observed that the programmes on alternate crops to tobacco have been well appreciated by the International Conference on 'Tobacco and Tobacco related Cancer' held at Tata Institute of Fundamental Research. He mentioned that hybrid tobacco was found to perform better under adverse conditions and should be tried in the Shimoga and Hunsur belts where the rain fall pattern is erratic. He also informed the house that two new cultivars K-346 and K-149 developed by North-up King seed Co. of USA are resistant to root-knot nematode and blackshank and gave higher yields of 52% over the cultivars in vogue. These varieties are to be obtained and tried to improve productivity.

Dr. R. Lakshminarayana, Project Co-ordinator (Tobacco) suggested that varieties with higher photosynthetic efficiency and lower photorespiration, disease and pest resistance should be developed to improve the productivity and quality.

Dr. B. V. Ramakrishnaya, Director (Technical) Tobacco Board, requested the Scientists to pay attention on evaluating the production targets, extension of FCV Tobacco cultivation to new light soil areas in Karnataka and other states to improve production and exports.

Sri Chandran, Director (Auctions) Tobacco Board, requested the Scientists to pay attention to identify varieties suitable to each micro-zone, purity of seed and fuel economy. He suggested that insulation of barn which was reported to give 30% fuel economy may be popularised at the earliest.

RESEARCH HIGHLIGHTS

CTRI, RAJAHMUNDRY

Performance of pipe line selections L-1158, L-1037 and V-3189 was better and the grower of the trial plot at Katheru expected about 2000 kg/ha from the promising selections.

CTRI RESEARCH STATION, VEDASANDUR

* The Natu genotype D. G. 4 Karravithanam and Korripadu Vithanam performed well compared to local cultivar L-137 and were preferred by the farmers of Bhavani area.

* In the out-reach trials conducted, the advanced breeding lines HV. 80-4 and mutant line HV. 86-2 showed promise recording an increase of 18 and 23 percent more yield than the control variety Bhagyalakshmi.

* The advanced breeding lines of cigar tobacco HV. 85-5 and HV. 85-6 exhibited impressive performance over KV. 1 and Krishna in farmer's fields.

* A trial on the effect of sublethal doses of herbicides on sucker control showed that pendemethalin (STOMP) at 0.05% and 0.75% ai or Decanol at 6% were as effective as 35% neem oil emulsion.

* Thiobencarb (Saturn) at 0.5 to 0.75 kg ai/ha was found to be promising for weed control in seedbeds.

CTRI RESEARCH STATION, PUSA

The newly evolved chewing tobacco variety HP. 76-1 showed improvement in leaf size, spangling, puckering over the local variety 'Sona' was well accepted by cultivators.

OTHER ACTIVITIES

SILVER JUBILEE CELEBRATIONS

Silver Jubilee celebrations of CTRI Employee's Co-operative Credit Society and the Annual day of Tobacco Institute Club were held 25th February, 1990. Sri C. Gudavalayya, Supdt. Central Jail, Rajahmundry was the Chief Guest. Dr. M. S. Chari, Director presided over the function and Smt. M. Lakshmi Chari distributed the prizes.

* Sister Miss. Veronica, Head Mistress, R. C. M. High School, Rajahmundry and recipient of National award for Best Teacher was felicitated at this function. Two playlets were enacted by club members and the staff children actively participated in the fancy dress competition. Veena recital and folk dances were also performed. Sri S. K. Naidu, Vice-president of the club proposed vote of thanks.



A scene in playlet enacted by CTRI employees



Sister Miss, Veronica, Dr. M. S. Chari and Mrs. Lakshmi chari

TRANSFER OF TECHNOLOGY

DEMONSTRATIONS

Two demonstrations on NPV were conducted at Doddukur and Gopalapuram on FCV Tobacco under biological control of tobacco caterpillar. Very negligible incidence of spodoptera was found in NPV sprayed plots as compared to control plots.

Two demonstrations on "Control of Suckers" on Natu Tobacco at Yagavaram, W. G. District and on Lanka Tobacco at Kedarlanka, E.G. District were conducted with Decanol 4% and farmers witnessed the successful control of suckers.

ted with Decanol 4% and farmers witnessed the successful control of suckers.

ON-FARM TRIALS

Two on-farm trials were conducted with mustard crop as an alternative to FCV Tobacco in black soils at Katheru and Vadisileru Villages in E. G. District and yields to the extent of 1060 kg/ha and 1200 kg/ha respectively were obtained.



On - Farm trials visit of Dr. N. S. Randhawa.

REMARKS ON ON-FARM TRIALS

Dr. N. S. Randhawa, Director General, ICAR and Secretary to Govt. of India visited the on-farm trial on 21-1-90 and offered his remarks as follows.

"I am extremely happy to visit the CTRI experimental station and oil research activities at the farmers field. I would complement the dynamic Director for the excellence in spheres of their research endeavour".

FARMERS DAY

The Tobacco Sub Centre, Venkataramannagudem, celebrated Farmer's Day on 25th June, 1990 and CTRI, Rajahmundry conducted an exhibition at Venkataramannagudem, Agricultural Research farm (APAU). Dr. M. S. Chari was the chief guest and Dr. R. Lakshminarayana, project Co-ordinator (Tobacco) presided over the function. Dr. M. S. Chari advised the farmers to adopt latest technologies of various crops and especially Natu Tobacco. Dr. R. Lakshminarayana advised the farmers to adopt need based plant protection measures for control of pests & diseases. Dr. R. Sinha, Dr. K. V. Satyanarayana, Sri. G. Ramprasad, Dr. B. V. Kameswara Rao, Sri M. Sannibabu and Sri G. V. G. Krishnamurthy also participated.

EXHIBITIONS

CTRI, Rajahmundry exhibited its research achievements to the farmers at Yedavolu field day celebrations organised by Canara Bank on 20th February, 1990.

TRAINING PROGRAMMES

* Training was imparted to 25 Nepali farmers on FCV Tobacco and Natu tobacco at CTRI, Rajahmundry during February, 12-17,1990.

* One day training programme for men on tobacco production technology was conducted on 17th January, 1990 in collaboration with KVK of Agricultural College and Research Institute, Madurai.

* One day training programme for women on tobacco production technology was conducted on 14th February, 1990 in collaboration with KVK of Gandhigram Rural University.

RADIO & TV

* "Pogaku curingulo lopalavalana nastalu" (Losses due to defective curing of tobacco) by Sri M. Sannibabu was broadcasted by AIR Visakhapatnam on 19-1-1990.

* "Training programme on tobacco for women" was broadcasted by AIR, Madurai on 6th and 8th March, 1990.

SEMINARS AT INSTITUTE

* Dr. D. V. Subhashini, Scientist S-1 gave a seminar on The role of Mycorrhiza in controlling certain root diseases of tobacco on 6-2-90.

* Dr. D. J. Das Gupta, Tata Research Development and Design Centre, Pune gave a seminar talk of "Curing barn design and fuel economy" on 7-2-90.

CONFERENCES/SYMPOSIA/SEMINARS/WORKSHOPS/TRAINING COURSES

* Dr. P. Harishu Kumar, Scientist (SG) participated in the course on Extension management for farming systems development at National Centre for Management of Agricultural Extension from 5th to 10th March, 1990.

* Dr. C. V. Raghavaiah, Scientist (SG) attended the zonal workshop at Periakulam on 6-2-90.

* Dr. C. V. Raghavaiah, Scientist (SG) and Dr. R. V. S. Rao Scientist (SG) attended the farmer's day celebrations at ACRI, Madurai on 23-3-90.

* Dr. R. Sinha, Principal Scientist and Dr. K. D. Singh Principal Scientist attended the International symposium on Natural resources management for a sustainable agriculture "at New Delhi from 6th to 10th February, 1990 and Dr. K. D. Singh presented a paper entitled "Tobacco based crop production system for better resource utilisation".

* Dr. G. A. Raju Scientist (SG) attended National symposium on "Molecular biology of plant diseases" at Sri Venkateswara University, Tirupati during 3-5 January, 1990.

* Sri R. P. Srivastava, Scientist (SG) attended the 77th Indian Science Congress held at Cochin University of Science and Technology, Cochin during 4-9 February 1990 and presented a paper entitled "Synthesis of Nicotine and its accumulation during growth cycle of chewing tobacco (*Nicotiana tabacum* L).

* Dr. S. S. Hussaini and M. M. Shenoj, Scientists (SG) attended a meeting at Mysore on 25-1-90 organised by Tobacco Board to discuss plans for fumigation of nursery beds during 1990.

VISITORS

CTRI RAJAHMUNDRY

— Dr. N. S. Randhawa, Director General, ICAR and Secretary to Govt. of India visited CTRI on 21-1-90 and offered the following remarks.

"Very impressive display of the achievements of the Institute. I have no doubt that showing these research results with target groups, will make the tobacco farmers more safe".

— Sri V. N. Vishnu, Director, DRDA, Eluru, Sri G. V. Sivarao, Sr. Manager, Canara Bank and Sri S. Murali Krishna, Divisional Manager, Canara Bank, Vizag, visited on 20-2-90.

— Sri M. J. M. Quadri, M/s ILTD/ITC Ltd, along with trinees on 20-2-90.

— Sri B. K. Patel and Sri V. P. Agrawal, G. T. C. India Ltd, on 5-3-90.

— Dr. C. Ravi Sankar, Assoc. Prof. Horticulture, Agric. college, Bapatla along with 45 B. Sc (Ag) students on 10-3-90.

— Sri A. Lachanna, Assoc. Prof. and Head Agronomy, Agricultural College, Aswaraopeta along with 22 B. Sc (Ag) students on 7-1-90.

— Sri Marnix Van Hyfte of Nitrate sales International, Belgium, visited the chilean nitrate field trials conducted by CTRI in collaboration with Tobacco Board and I. T. C/ILTD in Northern light soils and appreciated the way in which the trials were conducted.



Sri Marnix Van Hyfte visit to chilean nitrate field trials.

CTRI RESEARCH STATION, KANDUKUR

Hon'ble Minister for Information and Broadcasting and Parliamentary Affairs, Govt. of India, Sri P. Upendra Visited CTRI Research Station, Kandukur and made the remarks "Happy to visit this Research Station. This should be developed further".

CTRI RESEARCH STATION, HUNSUR

Smt. Vatsala, Watsa, IAS, Secretary, Dept. of Co-operation, Govt. of Karnataka and Sri Chikkanath, IAS, Managing Director, Karnataka Warehousing Corporation, Bangalore, Sri R. Kuppu Rao, IAS, Vice-Chairman and M. D., A.P. State Ware Housing Corporation, Hyderabad, Sri NKH Jhala, Chairman and R. S. Ryed, M. D.,

Gujarat State Warehousing Corporation, Sri Nambiar M.D. and Sri Menon, G. M, Kerala State Warehousing Corporation, Sri M. M. Ahmed, IAS, Chairman & M.D. and General Managers, Regional Managers & Assistant

Managers of State Warehousing Corporations of different states on 17-3-90.

CTRI RESEARCH STATION, VEDASANDUR

— 40 Farmers from the states of Haryana, Bihar and Orissa on 19-1-90.

NEW APPOINTMENTS

S. No.	Name	Grade	Place of duty	Date of appointment
1.	Sri Ch. Jayaram	Jr. Clerk	Rajahmundry	18-1-1990
2.	Sri M. Vijaya Kumar	Jr. Clerk	Rajahmundry	28-2-1990

RETIREMENTS

S. No.	Name	Designation	Place	Reason	Date
1.	Sri Sheoji Mahto	S.S. Gr. III	Pusa	Superannuation	31-1-1990
2.	Sri N. Balaji Rao	S.S. Gr. IV	Vedasandur	Superannuation	31-1-1990

TRANSFERS

S. No.	Name	From	To	Date
1.	Sri M. Appa Rao Tech. Officer-T 5	IIHR, Bangalore	CTRI, Rajahmundry	19-2-90

PAPERS PUBLISHED

1. CHARI. M. S; S. R. PRABHU and G. RAMAPRASAD. Role of botanicals in pest management of tobacco in India. (In National Symposium on 'Problems and Prospects of Botanical Pesticides in Integrated Pest Management, Jan. 21-22, 1990, Souvenir. pp 1-4.)
2. CHARI. M. S; and G. RAMAPRASAD. Integrated control of pests on tobacco. In National symposium on Integrated pest control-Progress and perspectives Oct. 15-17, 1987 Proceedings- 1988. pp 42-52.
3. CHARI. M. S; R. S. N. RAO; S. R. PRABHU and S. GUNNESWARA RAO. Nicotine sulphate: An effective botanical pesticide. Indian Farming 39 (11): 28-9, 1990.
4. CHATURVEDI. VK. Studies on optimum harvesting schedule in Cigar wrapper tobacco (*Nicotiana tabacum L*). Int. J. Trop. Agric. 7 (3-4): 216-22, 1989
5. SURYANARAYANA. Y. V. Botanical pesticides at a glance. (In National Symposium on 'Problems and Prospects of Botanical Pesticides in Integrated Pest Management, Jan. 21-22, 1990. Souvenir. pp 15-73.)

One month skill oriented training programme to twenty one trainees under Training of Rural youth for self Employment (TRYSEM) was conducted from 14-3-90 to 13-4-90 on "Fibre and Palmyrah products" with the co-operation of District Rural Development Agency, Kakinada. Besides the training they were also taught embroidery works and fruit preservation.

TRAINING PROGRAMME

Seventy six training programmes were conducted under Crop production, Live stock production, Horticulture, Home science and Rural crafts covering 1705 farmers, both men and women.

संक्षिप्त समाचार

प्रमुख घटनाएँ

पादपजन्य रोग व जीवनाशी के संबंध में राष्ट्रीय संगोष्ठी

भारतीय तम्बाकू विज्ञान समिति ने केन्द्रीय तम्बाकू अनुसंधान संस्थान राजमंद्री में दिनांक 21-1-90 से दिनांक 22-1-90 तक, भारतीय कृषि अनुसंधान परिषद, नई दिल्ली, भारतीय तम्बाकू कंपनी कलकत्ता के सहयोग से पादप जन्य रोग व जीव नाशियों के संबंध में राष्ट्रीय संगोष्ठी का आयोजन किया गया।

इस संगोष्ठी का उद्घाटन, भारतीय कृषि अनुसंधान परिषद के महानिदेशक, पद्मभूषण डा. एन. एस. रणधावा ने किया और आन्ध्रप्रदेश कृषि विश्वविद्यालय के उप-कुलपति डा. ए. अप्पाराव ने इस समारोह की अध्यक्षता ग्रहण की। इस अवसर पर पद्मभूषण डा. एन. एस. रणधावा का भारतीय तम्बाकू विज्ञान समिति द्वारा सम्मान किया गया। भारतीय तम्बाकू कंपनी के उपाध्यक्ष श्री जे. नारायण ने सेवा मुक्त वैज्ञानिक श्री बी. जी. जोशी को सम्मानित किया।

अनुसंधान कर्मचारी समिति की बैठक :

अनुसंधान कर्मचारी समिति की बैठक कृषि अनुसंधान केन्द्र, नवली शिमोगा में दिनांक 13-3-90 से 14-03-90 तक आयोजित की गयी। केन्द्रीय तम्बाकू अनुसंधान संस्थान के निदेशक डा. एम. एस. चारी ने अपने उद्घाटन भाषण में सूचित किया कि कर्नाटक की हल्की मिट्टियों में उत्पादित वर्जीनिया तम्बाकू की अच्छी मांग है और इसके क्षेत्रफल को करीब 20,000 हेक्टेयर तक बढ़ाने के लिए अच्छी सम्भावना है। उन्होंने निम्नलिखित नये उत्पादन प्रौद्योगिकी के बारे में स्पष्ट किया।

1) डेम्पिंग आफ/पौध गलन और ब्लैक शांक के नियंत्रण में रेडोमिल का प्रयोग।

Edited & Compiled by Y. V. Suryanarayana & M. Ramam.

2) रूट नाट नियंत्रण में ड्युरोफ्यूम तकनीकी का प्रयोग।
3) धूम्रपान के प्रति आन्दोलन का सामना करने के लिए उठाये गये कदम

अनुसंधान की विशिष्टताएँ

कातेरु फार्म पर विश्वसनीय प्रतिपादों में से एल-1158, एल-1037 तथा बी 3189 अच्छे साबित हुए तथा उनसे 2000 किलो प्रति हेक्टेयर पैदावर की आशा की गयी।

नाटु जीनोटाइप डी. जी. 4 करैबिसनम और कोरिपाडु वित्तनम का कार्य निष्पादन अच्छा हुआ और वे भवानो क्षेत्र के कृषकों द्वारा ज्यादा पसन्द किये गये।

अन्तः भूस्तरियों के नियंत्रण में 0.05 प्रतिशत पेनडेमेटालिन/स्टोम्प और 0.75 प्रतिशत ए. ऐ. या डेकानोल 6 प्रतिशत, 35 प्रतिशत नीम तेल की तरह से बराबर कारगर सिद्ध हुए।

पौध व्याारियों में घासपात के नियंत्रण में 0.5 प्रतिशत से 0.75 कि. ग्रा. थियोनेनकार्ब (सावर्न) आशा-जनक सिद्ध हुआ।

नयी विकसित तम्बाकू किस्म एल. पी. 76-1 के पत्तों का परिमाण स्पिंग्लिंग तथा पक्करिंग में स्थानिक किस्म चमक सोना से अच्छा पाया गया। तथा कृषकों द्वारा पसन्द किया गया।

अन्य कार्यक्रमलाप

तारीख 25-2-1990 को सी. टी. आर. आई एम्प्लोयीस को-लापरेटिव क्रेडिट सोसाइटी का रजस जयन्ति समारोह और तम्बाकू संस्थान क्लब का वार्षिकोत्सव आयोजित किया गया।

उत्तम अध्यापक की राष्ट्रीय पुरस्कार प्रहीता राजमंद्री आर. सी. एम. हाई स्कूल को प्रधान अध्यापिका सिस्टर मिस. वेरोनिका को इन समाराह में बधायी दी गयी। क्लब के सदस्यों द्वारा दो नाटक प्रदर्शित किये गये और कर्मचारियों के बालबालिकाओं ने विचित्र वेष भूषा प्रतियोगिताओं में सक्रिय भाग लिया।

Hindi Version by C.H. Srirama Rao