



समाचार Newsletter

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1991

CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY

RESEARCH HIGHLIGHTS

CTRI, RAJAHMUNDRY

- Solarisation of soil by plastic tarping for one week considerably reduced the germinability of orobanche seed and also killed superficial growth of weeds both in black and light soils.
- A fungus isolated from diseased Burley tobacco of Jeddangi area was identified as *Rhizoctonia microsclerotia* and observed to be a weak pathogen on tobacco seedlings in pot-culture.
- Out of the 63 germplasm entries tested against brown spot *Alternaria alternata*, variable intensity of disease was recorded ranging from 3-80%. Eighteen lines showed less than 5% disease incidence.

- The growth of *Trichoderma* Sp. was suppressed by Bavistin @ 2 ppm in the culture media.

CTRI RESEARCH STATION, HUNSUR

- Application of chopped leaves of *Lantana*, *Parthenium*, *Ipomea*, *azadirachta* (Neem), and *Leucaena* (Su-Babul) to soil has beneficial nematicidal effect on root-knot nematode in bidi and flue-cured tobacco nurseries. Germination and better growth of seedlings was observed particularly in Su-Babul applied beds.
- In trial on crop loss assessment planted at Hunsur, Sollepura farm and Halsor village in Karnataka, growth of tobacco plants was very good when treated with Phenamiphos at 0.5 and 1.0 kg/a.i/ha

TRANSFER OF TECHNOLOGY

CTRI, RAJAHMUNDRY

TRAINING PROGRAMMES

- A training programme on **Chemical analysis of tobacco leaf and smoke** was conducted to the officers of Janakpur Cigarette Factory, Nepal from 30th November, 1991 to 16th December, 1991.
- Training programme on **Tobacco Production Technology** was given to 33 trainees from Rangers College, Angal, Orissa on 30.10.1991.

FIELD VISITS

- Sarvasri K. Apparao, G. Ramaprasad, T.S.N.Reddy, S. Sitaramaiah and Dr. P.R.S.Reddy visited NLS area of Devarapalli and Jangareddygudem on 4th and 5th December '91 along with ITC and Tobacco Board officials to observe the tobacco crop and suggested suitable plant protection measures to the farmers.
- Shri G. Ramaprasad and Shri T.S.N.Reddy participated in **Rytu Sadassu** at Katavaram village organised

by Superintendent, Torredu Auction platform, on 10.10.1991.

- On 26.12.1991 a team of four scientists: Sri G.V.G. Krishna Murty, Dr. J.A.V. Prasad Rao, Dr. P. Harishu Kumar and Sri U.Sridhar along with Auction Superintendent, Tobacco Board, Rangampet visited tobacco fields of Vadisaleru, Gandepalli and Kalavacherla villages under Rangampet Auction platform, and had group discussions with tobacco farmers and suggested remedial measures to the problems faced by them.

SALE OF SEEDLINGS

About 1.12 crores seedlings of released FCV varieties were supplied to the tobacco farmers and an amount of Rs.1.52 lakhs was realised.

CTRI RESEARCH STATION, GUNTUR

- Shri M. Umamaheswararao participated in

farmers' meetings along with Tobacco Board officials held at Kanchikacherla on 10.12.1991 and suggested them to follow improved package of practices developed by CTRI.

- Sarva Sri P.V. Venugopalarao, A.V. Sekhara Babu and G. Radhakrishnamurthy along with Tobacco Board officials interacted with the farmers at Kammarivaripalem and Nagabhiruvaripalem villages on 17.12.1991 and briefed them on pest management and nursery management.

CTRI RESEARCH STATION, KANDUKUR

- Sarva Sri A.I. Narayanan, R.Srinivasulu and V. Venkateswarlu attended training programme to Tobacco Board Staff and also participation Farmers' group discussions held at Auction Platforms of Kanigiri, Kandukur, Ongole on 27th 28th and 30th December, 1991 respectively.

CTRI RESEARCH STATION, VEDASANDUR

- Shri M. Mohan attended the season Rabi training to agricultural staff at ACRI, Madurai on 7.10.1991 and explained latest Tobacco Production Technology.

CTRI RESEARCH STATION, DINHATA

- Dr. A.G.K. Murty and Shri P.K. Ghosh visited farmers fields at Dinhat area and advised suitable plant protection measures and farmers were benefited by the timely advise. Application of "Decanol" as suckericide after topping both for Jati and Motihari tobacco was advocated to the farmers.

RADIO TALKS

1. (Cultivation of Burley tobacco and precautions to be taken in harvesting and curing) by Sri R. Subbarao on AIR, Visakhapatnam 17.10.1991.
2. "Fertilizer and weed management" in tobacco by Sri A. C. Rajasekharan on AIR, Madurai 5.11.1991.
3. "Quality and new FCV tobacco varieties and their characters" by Sri G.S.B. Prasannasimharao on AIR, Visakhapatnam, 8.11.1991.
5. Radio interview on "Implementation of KVK training programmes for rural women of Singavaram village" by Smt. V.V. Lakshmikumari, Sri R. Sudhakar with women beneficiaries on AIR, Vijayawada 14.11.1991.
6. "Hints to tobacco growers" by Sri K. Devappa on AIR Bangalore, 20.11.1991.
7. "Topping and desuckering in tobacco" by Dr. K. Palanichamy on AIR, Madurai, 28.11.1991.
8. Radio Interview on "Grameena Mahilalaku Cheti

Vruthulu" by Sri R. Sudhakar on AIR, Vijayawada 16.12.1991.

CONFERENCES/SYMPOSIA/SEMINARS/WORK-SHOPS/TRAINING COURSES

- Shri S. Sitaramaiah, Scientist (SG) attended first meeting of Pesticides Selection Committee at Commissionerate of Agriculture, Hyderabad to finalise policy issues in distribution of pesticides during 1991-92 as Director's nominee on 7.10.1991.
- Shri S. Sitaramaiah, Scientist (SG) attended training course on "Agricultural Research Project Management" at NAARAM, Hyderabad from 8th to 19th October, 1991.
- Shri U. Sreedhar, Scientist attended group meeting on Pesticide Resistance Management sponsored jointly by ICAR, IRPM and FERRO (USDA) held at Hyderabad on 16th and 17th October, 1991.
- Smt. N. Arunakumari, Technician T-4 attended the National Seminar on "Strategies for prevention of vitamin 'A' and Iron deficiencies at Avinashilingam Deemed University, Coimbatore from 28.10.1991 to 31.10.1991.
- Shri A. James, Tech.T-4 attended the rural development programme organised by AIR, Madurai on 20.11.1991.
- Dr. J.A.V. Prasada Rao, Scientist (SG) and Dr. C.Chandrasekhara Rao Scientist attended **USDA type leaf grading** course at ITC Ltd/ILTD Division, Rajahmundry from 6th to 13th November, 1991.
- Shri A.I. Narayanan and Scientists of CTRI Res. Station, Kandukur attended a seminar on "**Tobacco**" arranged by FACT - EEC AID Project at Mallavara ppadu in Tangutur Mandal on 30.12. 1991.
- Dr. K.D. Singh, Principal Scientist attended the All India Vice-Chancellors convention at Rajendra Agricultural University, Pusa during 29-31, October '91 and presented a paper entitled "Diversification and Employment generation in Agriculture through tobacco based cropping system."

INVITED LECTURE

- Dr. K.D.Singh, Principal Scientist delivered a lecture under refresher's course for Professors/Teachers/Scientists of R.A.U. on "Indian Tobacco Scenario" on 7.12.91.

VISITED ABROAD

Dr. M.S.Chari, Director visited Cuba, from 23rd November, 1991 to 3rd December, 1991 along with the other team Shri M.G.Menon, Dy.Secretary, ICAR and Dr. P.V.Dehadrai DDG (Fisheries), ICAR to finalise the Indo-Cuban Work programme for the years 1992 and

1993 in the field of Agricultural Research and Education.

VISITORS

CTRI, RAJAHMUNDRY

- 28.10.1991 Shri Y.A. Sathaya, IAS, (Retd.), Additional Commissioner and Revenue Tribunal Member, Bombay.
- 14.11.1991 Shri G. Raghuvardhan Reddy and S.A. Nabi, V.S.T. Industries Ltd., Hyderabad.
- 14.11.1991 Shri R.J. Yadav, T.D.C. Ltd., Nepal.
- 15.11.1991 Sarvasri Wannay, and Shaha Abo Jani, Malaysian Tobacco Ltd., HJ Noor Ciro Awas, and S.B. Mohozian, National Tobacco Board, Malaysia.
- 10.12.1991 Shri M. Sasidhar and Shri R.D. Kapur, Bayer India Ltd., Bombay and Hyderabad respectively.
- 30.12.1991 Sri P.S.B.R. James, Director, CMFRI, Cochin.

CTRI RESEARCH STATION, KANDUKUR

- 26.11.1991 Shri K. Rosaiah, Hon'ble Minister for Medical and Health, Govt. of Andhra Pradesh, Sri M. Subbareddy, Member of Parliament and Sri Maheedara Reddy, Member of Legislative Assembly.

CTRI RESEARCH STATION, PUSA

- 31.10.1991 Dr. Kirti Singh, Vice-chancellor, Himachal Pradesh Krishi Vishwa Vidyalaya, Dr. Sharma, Vice-Chancellor, H.P. Agricultural University, Solan, Dr. A.S. Warsi,

Director Research, CSAUAT, Kanpur along with other dignitaries. 30.10.1991 Dr. M.V. Rao, Vice-Chancellor, Andhra Pradesh Agricultural University, Hyderabad offered the following appreciation.

"I am very happy to visit the centre and interact with the Scientists. It is satisfying to know that by intercropping of tobacco with papaya, garlic, sugarcane etc., significantly increasing the income to the farmer. The new technologies and varieties shall be popularised as quickly as possible. Stabilisation of yields by selecting varieties resistant to mosaic, leaf curl and other pests and diseases is a major area of research. I am sure scientists will come to the expectations of the users i.e. the farmer, trade and industry. My best wishes for continued success".

M.V.Rao,
Vice-Chancellor, APAU.

- 6.12.1991 Dr. H.P. Singh, Project Co-ordinator (Horticulture) Indian Institute of Horticulture, Bangalore and offered the following remarks. **"Visited this station along with Dr. Sharma, Dr. P.K. Rai and Dr. Yadav had detailed discussion on cropping system. Tobacco may be tried in fruit based cropping system viz., papaya, banana etc.,"**

PAPERS PUBLISHED

1. Tripathi, SN; B.L. Singh and P.G. Ghose. Influence of mulching, topping, and intercropping on Motihari tobacco (*N. Rustica* L) Indian J. Agron. 36 (2): 194-6, 1991.

APPOINTMENTS

S.No.	Name	Grade	Place of duty	Date
1.	Sri K. Nagasubbaiah	Driver	Kandukur	9.10.91
2.	Sri C. Kuppayee	SS Gr. I	Vedasandur	26.10.91

RETIREMENTS

S.No.	Name	Designation	Place	Reason	Date
1.	Shri J. Kurmarao	Tech. T-4	Rajahmundry	Voluntary	1.11.91
2.	Sri D. Biswas	SSGr. III	Dinhata	Superannuation	31.12.91

RESIGNATION

S.No.	Name	Designation	Place	Date
1.	Smt. M. Satyavathi	Jr. Clerk	CTRI, Rajahmundry	24.6.91

KRISHI VIGYAN KENDRA

Twenty one Training programmes were conducted and a total of 517 farmers, farm women, school dropouts and in-service personnel were trained in different disciplines.

Five co-ordinated training programmes were conducted with a duration of one to ten days in collaboration with Andhra Bank Rural Development Institute, Alcot Gardens, Rajahmundry under Home Science, Agronomy and Rural Crafts Sections. in 1. Preservation of fruits 2. Drafting; cutting and stitching

of different models of smoking frocks 3. Preparation of house hold and decoratives with Banana and Mesta fibres. 4. Oil seeds and pulse production 5. Preservation of vegetables. A total of 140 farmers, house wives, and school dropouts were participated in these training programmes.

The two veterinary surgeons Dr. B. John Babu and Dr. P.V.V.S. Sivarao of KVK conducted a Caesarian operation upon a cow and the mummified two day old calf was removed. Post operative care was attended to. Eventually the cow has recovered fast.

संक्षिप्त समाचार

अनुसंधान उपलब्धियों

केन्द्रीय तम्बाकू अनुसंधान संस्थान, राजमन्दी

- काली और हल्की मिट्टियों में प्लास्टिक टारपोलिन से एक सप्ताह तक भूतपन करने से और बैची परजीवी के बीज की अंकुरण शक्ति काफी सीमा तक कम हो गयी और खरपतवार की ऊपरी वृद्धि को भी रोका गया।
- जेड्डंगी क्षेत्र में बली तम्बाकू के मृत पौधों से पृथक किये गये कवक को राइजोक्टोनिया माइक्रोस्कलेरोटिया के नाम से पहचाना गया तथा गमलों में उगाने वाले तम्बाकू के पौधों पर कमजोर रोगजनक के रूप में महसूस किया गया।
- भूरा धब्बा के विरुद्ध परीक्षित प्रोटोप्लासम की 63 प्रविष्टियों में बीमारी की गहनता 4 से 80% तक आँकी गयी। 18 लाइन्स में बीमारी का प्रभाव 5% से कम पाया गया।

- बैविस्टिन के 2 पी. पी. एम संवर्धन के माध्यम में ट्रीगोडमो जातिकी वृद्धि कम हो गयी।

सी. टी. आर. आइ. अनुसंधान केन्द्र, हुनसूर

भूमि में लैटाना, पारथीनियम, आइपोमिया, नीम, ग्लाइसीरिडिया तथा सुबाबुल को समान स्तर से प्रयोग करने से एफ.सी.वी तथा बीडी तम्बाकू की पौधशालाओं में रुट नाट नीमेटोड पर इनका अच्छा नीमेटोडरोधी असर रहा। सुबाबुल उपयोग की गयीक्यारियों में अच्छा अंकुरण तथा वृद्धि महसूस कीगयी।

तीन स्थानों पर किये गये फसल नुकसान अभिनिर्धारण परीक्षणों में जोकि कर्नाटक में हुनसूर, शोलेपुरा तथा हलसोर गाव में किये गये थे, फैनमिपोस 0.5 तथा 1.0 कि.ग्रा.प्रति हैक्टेयर की दर से प्रयोग करने पर पौधों की वृद्धि बहुत अच्छी पायी गयी।

टेक्नोलोजी का स्थानांतरण

केन्द्रीय तम्बाकू अनुसंधान संस्थान, राजमन्दी

प्रशिक्षण कार्यक्रम: दिनांक 30-11-1991 से 11-12-1991 के दौरान नेपाल के जनकपुर सिगरेट फैक्टरी के अधिकारियों के लिए "तम्बाकू पत्तियों तथा धूम्र के रासायनिक विश्लेषण" पर एक प्रशिक्षण कार्यक्रम आयोजित किया गया।

दिनांक 30-10-1991 को उडीसा राज्य के रेजर्स कालेज अंगुल के 33 प्रशिक्षणार्थियों के लिए "तम्बाकू उत्पादन टेक्नोलोजी" पर एक प्रशिक्षण कार्यक्रम आयोजित किया गया।

पौध की बिक्री: एफ. सी. वी. तम्बाकू की जारी की गयी किस्मों के लगभग 1.12 करोड पौधे किसानों को वितरित किये गये तथा इससे 1.52 लाख रुपये अर्जित किये गये।

विदेश भ्रमण: कृषि अनुसंधान एवं शिक्षा के क्षेत्र में 1992 और 1993 वर्षों का भारत-क्यूबा की कार्यप्रणाली से सम्बन्धित कार्यक्रम निर्धारित करने के लिए डा.एम.एस. चारी निदेशक ने दिनांक 23 नवम्बर 1991 से 3 दिसम्बर, 1991 तक श्री एम. जी. मैनन, उप सचिव, भा.कू.अ.प तथा डा.पी. वी.डीहाडराय, उप महानिदेशक मत्स्य भा.कू.अ.प के साथ क्यूबा का भ्रमण किया।

कृषि विज्ञान केन्द्र

कुल मिलाकर विभिन्न विषयों में 21 प्रशिक्षण कार्यक्रम आयोजित किये गये और उनमें 517 कृषकों, प्रक्षेत्र महिलाओं, पाठशाला छोडे हुए युवक, युवतियों तथा नौकरियों में लगे कर्मचारियों ने भाग लिया।

सस्य विज्ञान, गृह विज्ञान तथा ग्रामीण दस्तकारी अनुभागों में एक से दस दिन की अवधि के 5 समन्वित प्रशिक्षण कार्यक्रम आन्ध्र बैंक ग्रामीण विकास संस्थान, राजमन्दी के सहयोग से आयोजित किये गये। इनमें कुल 140 किसानों, प्रक्षेत्र महिलाओं तथा पाठशाला छोडे हुए प्रशिक्षणार्थियों ने भाग लिया।

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