

Newsletter

CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY-533 105

RESEARCH ADVISORY COMMITTEE

The Research Advisory Committee meeting was conducted on 15th March, 2000 under the chairmanship of Dr. I.V. Subba Rao, Vice-chancellor, ANGRAU, Hyderabad. The other members, Dr. A. Satyanarayana, Associated Director of Research, ANGRAU, Hyderabad, Dr. T.S. Subramaniam, Chief Scientist, ITC-ILTD, Rajahmundry, Dr. S. Kori, Director, Directorate of Tobacco Development, Chennai and Heads of Divisions and Research Stations participated and reviewed all aspects of tobacco research and finalised the future programme of work.



RESEARCH HIGHLIGHTS

CTRI, Rajahmundry

Biointensive IPM (BIPM) studies revealed that with different components viz. growing two rows of tagetes as trap crop around tobacco a week before transplanting tobacco, erection of bird perches @ 20/ha at 30 days after planting (DAP), one spray of Ha NPV @ 250 LE/ha at 40 DAP, not only effectively controlled the bud worm, *Heliothis armigera* but also recorded a higher C:B ratio of 1:2.56 as against 1:2.41 in chemical control.

CTRI RS, Hunsur

The application of manures and nitrogen caused significant differences in green leaf and cured leaf yields. FYM @ 8 t/ha produced maximum green leaf (10,181 kg/ha), cured leaf (1521 kg/ha) and TGE (1216 kg/ha) yield. Among N levels 50 kg N/ha gave maximum values of all the yield parameters.

INTERNATIONAL WOMEN'S DAY CELEBRATION

International Women's Day was celebrated at CTRI, Rajahmundry on 8th March, 2000. Dr. K. Nagarajan, Director, CTRI presided over the function. Smt. Sridevi Nagarajan, Head, Department of Chemistry, CGTM College, Rajahmundry was the chief guest. Sri I.K. Sharma, SAO and Chairman, CTRI women's cell welcomed the gathering. Dr. (Mrs) K. Sarala, Heads of Divisions and Sri N.A. Rao, AFS spoke on this occasion. Vote of thanks was proposed by Smt. P.V.S. Bharathi, AFACO and member of women's cell of CTRI, Rajahmundry.



Acc. No. _____
Date 20

TRANSFER OF TECHNOLOGY

Farmers Meet and group discussions

Date	Scientists	Programme	Place and Organiser
CTRI, Rajahmundry			
21-1-2000	Dr.V.Krishnamurthy Sri M. Sannibabu	Tobacco pest management, topping, sucker control, harvesting, curing and grading for Tobacco Board staff	Rythapuram Tob. Board, Torredu
22-1-2000	Dr. T. Venkateswarlu Sri M. Sannibabu Sri S.K. Naidu	NLS crop production technology to the farmers	Gopalapuram, ADA, Kovvur and AMC, Gopalapuram
25-1-2000	Sri R. Subba Rao Dr. Y. Subbaiah	NBS crop production to the farmers of Torredu	Rajahmundry, AMC, Rajahmundry
27-1-2000	Dr. A.V.S.R. Swamy Dr. S.V. Krishna Reddy	Harvesting, curing and grading to the farmers and Tobacco Board officials	Devarapalli, Tobacco Board, Devarapalli
10-2-2000	Sri R. Srinivasulu Sri V. Venkateswarlu Dr. J.V. Prasad	Topping and sucker control, curing and grading	Mallavarappadu, Prakasam Dt. Tob. Board, Kandukur
03-2-2000	Dr. A.V.S.R. Swamy Dr. S.V. Krishna Reddy	Field Day	Makkinavarigudem, Tobacco Board, Jangareddigudem
04-2-2000	Sri M. Sannibabu Dr. C.A. Raju	Tobacco crop production	Chinnaigudem, Canara Bank, Yadavole
10-2-2000	Sri M. Sannibabu	Exhibition and farmers meet	Eluru, JAD, Eluru
20-2-2000	Dr. A.V.S.R Swamy Dr. S.V. Krishna Reddy Dr. C.A. Raju Dr. U. Sreedhar	Field Day	Devarapalli, Tobacco Board
16-2-2000	Sri S.V.V. Satyanarayana Sri N. Prabhakara Rao Sri M. Nageswara Rao Sri D. Gnanakumar	Field Day	CTRI Farm at Katheru, CTRI, Rajahmundry
02-3-2000	Sri M. Sannibabu Sri S.K. Naidu Sri S. Gunneswara Rao	Rythu Sadassu	Chityala, W.G.Dt. SBI, Chityala

CTRI RS, VEDASANDUR

□ A farmers meet on tobacco cultivation was organised jointly by CTRI, RS, Vedasandur, SPIC India Ltd. and Department of Agriculture, Nagapattanam on 28-1-2000 at Ayakaranpulam in Vedaranyam taluk. About 350 farmers/traders participated in the seminar. Dr. M. Kumaresan and Sri M. Mohan from Research Station addressed the participants on agrotechniques for chewing tobacco. Farmers and traders stressed the need to open a location/centre at Vedaranyam for coastal chewing tobacco. On this occasion Dr. K. Palanichamy, Head, Dr. M. Kumaresan, Scientist, Sri M. Mohan, Technical Officer, Sri A.C. Rajasekharan visited the tobacco fields in Mudalai and suggested the control measures to the disease infected fields.



Scientists and Technical personnel of CTRI RS, Vedasandur in the field

CTRI RS, Hunsur

Exhibitions

CTRI RS, Hunsur arranged a stall in the exhibition organised by Suttur Mutt, Hunsur from 4th to 10th Jan., 2000. All the staff members of Research Station participated and explained the research highlights of the Institute to the farmers and others who visited the stall. His Holiness Jagatguru Sri Sri Shivaratrishvara Deshikendra Swamiji of Sri Suttur Mutt, Mysore who visited the stall well appreciated the research findings of the Station and their services to the farmers.



Dr. M.M. Shenoi, Head, CTRI RS, Hunsur explaining about tobacco cultivation to His Holiness Jagatguru Sri Sri Shivaratrishvara Deshikendra Swamiji

CTRI, RAJAHMUNDRY

Survey of NLS Tobacco Areas

Dr. C.A. Raju and Dr. U. Sreedhar, Sr. Scientists of this Institute surveyed the tobacco fields at Pedavegi mandal of W.G.Dt. on 5-1-2000 to study diseases and insect pests on the crop and advised the control measures to the farmers.

A team consisting of Sri S. Sitaramaiah, Sri M. Sannibabu, Sri R. Subba Rao, Dr. K. Nageswara Rao, Dr. C.A. Raju, Dr. C. Chandrasekhara Rao, Dr. Siva Raju, Dr. T.G.K. Murthy, Dr. U. Sreedhar, Sri S.K. Naidu, Sri Y.V. Suryanarayana and Sri Seshu Madhav visited different villages in NLS area from 10th to 11th Feb. 2000 to study the varietal performance of different varieties and quality of leaf.

A team consisting of Sri S. Sitaramaiah, Dr. S.R. Prabhu, Sri M. Sannibabu, Sri A.I. Narayanan, Sri R. Subba Rao, Dr. V. Krishnamurthy, Dr. T. Venkateswarlu, Dr. C.V. Narasimha Rao, Dr. C.A. Raju, Dr. K. Nageswara Rao, Dr. C. Chandrasekhara Rao, Dr. T.G.K. Murthy, Dr. K. Sarala and Sri S.K. Naidu visited different villages in

Chinnayagudem (NLS) area and studied the crop performance and suggested remedial measures for the control of insect pests and diseases of tobacco crop to the farmers.

TRAINING PROGRAMMES

CTRI, Rajahmundry

A training programme was organised from 24th to 27th & 29th Jan. 2000 to the newly recruited Tobacco Board field officers on tobacco production technology at CTRI, Rajahmundry.

CTRI RS, Hunsur

A training programme on nursery management in KLS was conducted on 3-2-2000 for the field staff of M/s BASF India Ltd. All the scientists and technical officers participated in the programme.

A batch of 50 students from Agricultural College, Mandya were given training on 14-3-2000 by the scientists and technical officers of the station as part of "Pesticides orientation programme" sponsored by M/s BASF India Ltd.

RADIO TALKS

మొగాకు తోటలనాశించు తెగుళ్ళు-నివారణ. by Dr. C.A. Raju on AIR, Visakhapatnam on 29-1-2000.

అహారపదార్థాలలో కల్పినివారణ. by Smt. V.V. Lakshmikumari on AIR, Visakhapatnam on 25-2-2000.

గ్రామీణ మహిళలకు స్వయం ఉపాధి రాజ్యకరమాలు. by Sri R. Sudhakar on AIR, Visakhapatnam on 1-3-2000.

కృత్రిమ గండ్లొత్పత్తి ద్వారా పశువులలో సత్ఫలితాలు. by Dr. B. John Babu on AIR, Visakhapatnam on 7-3-2000.

వేసవిలో వేరుశనగ అధిక దిగుబడలకు యాజమాన్య పద్ధతులు. by Sri S. Jitendranath on AIR, Visakhapatnam on 30-3-2000.

Package of practices in tobacco cultivation, by Dr. K. Palanichamy on AIR, Madurai on 24-1-2000.

CTRI Research Station, Vendasandur activities on AIR, Madurai on 31-3-2000.

CONFERENCES/SYMPOSIUMS/TRAININGS

Sl. No.	Participant(s)	Programme attended	Date & Place
1.	Sri A. James, Technical Officer-T5	Training programme on utilization of improved agricultural implements and machinery for increasing production & productivity.	4-13th, Jan, 2000 at CIAE, Bhopal
2.	Sri E. Vijayaprasad, Technical Officer-T5	Training programme on selection and maintenance of audio-visual equipment design and preparation of AV-aids for technology transfer.	18-22th, Jan., 2000 at CIAE, Bhopal
3.	Sri. S. Ramesh, Technical Officer-T6	7th CAS training programme on advances in chemical weed control and residue estimation and management.	18-27th Jan., 2000 at TNAU, Coimbatore
4.	Dr. S. Ramakrishnan, Scientist	International symposium on Tropical root and tuber crops and presented a paper	19-22nd Jan., 2000 at Trivandrum
5.	Dr. T. Venkateswarlu, Sr. Scientist	One day seminar on Comprehensive agenda for the New Millennium	6th, Feb., 2000 at Vysya Seva Sadanam Community Hall, Rajahmundry
6.	Dr. K.D. Singh, Principal Scientist	Conference on Managing Natural Resources for sustainable agricultural production in the 21st Century.	14-18th, Feb. 2000 at IARI, New Delhi
7.	Dr. V. Krishnamurthy, Sr. Scientist	Conference on Managing Natural Resources for sustainable agricultural production in the 21st Century and presented a paper	-do-
8.	Dr. Y. Subbaiah, Scientist	Training on Project Management using microsoft project.	21-26th Feb.2000 at NAARM, Hyderabad
9.	Sri K.N.Subramanya, Sci. Sr. Scale	Training under CAS on Plant genetic resources collection, conservations, maintenance & database management	6-16th March, 2000 at CPBG, TNAU, Coimbatore
10.	Dr. C.V.Narasimha Rao Sr. Scientist	Meeting on WHO's Frame work convention on tobacco control (FCTC) : Tobacco Growers perspective presentation by ITGA	14th, March, 2000 at Welcome Group Grand Kakatiya Hotels & Towers, Hyderabad

LECTURES GIVEN

↓ Dr. V. Krishnamurthy, Sr. Scientist delivered a talk on "Fertility status of FCV tobacco soils of India and their management for sustainable crop production" at CTRI, Rajahmundry on 9-2-2000.

↓ Smt. N. Aruna Kumari, Tech. Officer, KVK gave a guest lecture on "Vermicompost making" at SBRK College, Ambajipet on 7-2-2000.

PAPERS PUBLISHED

SUMAN KALYANI, K., K. NAGARAJAN and V.V. LAKSHMI KUMARI. పృథ్వీసాయంలో శ్రమను తగ్గించే పరికరాలు. **Annadata**, Jan, 2000. p.20.

SREEDHAR, U., G. RAMA PRASAD and S. SITARAMAIAH. పొగాకు తోటలలో మొవ్వు పురుగు బెడద. **Eenadu**, Ryte Raju, E.G.Dt., Jan. 19, 2000.

HONOURS AND AWARDS



Dr. K. Nagarajan receiving memento from Sri S.B.P.B.K. Satyanarayana Rao



Sri Y.C. Deveswar honouring Dr. B.V. Ramakrishnayya and Dr. K.V. Satyanarayana

CTRI Scientists honoured by ITC

Dr. K. Nagarajan, Director CTRI, Dr. B.V. Ramakrishnayya and Dr. K.V. Satyanarayana, Retd. Principal Scientists were honoured for their outstanding contributions in their respective fields during the Golden Jubilee Celebrations of ILTD Research Dept. on 19-2-2000. Sri S.B.P.B.K. Satyanarayana Rao, Hon'ble Union Agricultural Minister of State gave mementos in the presence of Sri Y.C. Deveswar, Chairman, ITC Ltd. and Sri V. Sobanadriswara Rao, Minister for Agriculture, Government of A.P.

Director, CTRI felicitated by IVLP farmers

A function was arranged for honouring Sri S.B.P.B.K. Satyanarayana Rao, Hon'ble Union Agricultural Minister of State by the farmers on 21-1-2000 at Kotikesavaram, a village selected for Institution Village Linkage Programme. Dr. K. Nagarajan, Director, CTRI, Rajahmundry was also felicitated for his valuable services to the farming community.



Dr. Nagarajan felicitated by IVLP farmer, Sri M. Veerabhadra Rao



Dr. Nagarajan with Sri S.B.P.B.K. Satyanarayana Rao

Dr. M.K. CHAKRABORTHY REMEMBERED

Late Dr. M.K. Chakraborty, who started his career in CTRI, Rajahmundry as Technologist and retired as Head, Division of Chemistry was felicitated posthumously by the ISTS in a function held at CTRI on 18-2-2000. Dr. K. Nagarajan, Director, CTRI presided over the function and honoured Mrs. Chakraborty on behalf of ISTS in recognition of Dr. Chakraborty's outstanding services to ISTS as a founder member, editor and donor of Nirmal Award and for his significant contributions in tobacco chemistry and technology. All the staff of CTRI remembered him and recollected his services on this occasion. A photo album depicting life and achievements of Dr. Chakraborty at CTRI was presented to Mrs. Chakraborty.



Dr. K. Nagarajan, Mrs. Chakraborty and daughter of Dr. Chakraborty

OTHER ITEMS

Net House inauguration

A Net house constructed in the CTRI laboratory campus at a cost of Rs 1,35,000/- under ICAR ad-hoc scheme on 'Implications of tritrophic interactions in IPM of some important crop pests' was inaugurated by Dr. K. Nagarajan, Director, CTRI on 8th March, 2000. The scheme was sanctioned from 1st December, 1998 for three years.



Dr. Nagarajan unveiling the plaque of Net House

New equipment added

A new sophisticated tobacco cutting machine valued at Rs 7 lakhs imported from Germany for making cut tobacco for production of experimental cigarettes for the analysis of smoke constituents like tar, nicotine and CO was added to the Division of Chemistry. The machine was inaugurated by Dr. K. Nagarajan, Director, CTRI on 15-2-2000.



Dr. Nagarajan inaugurating the Tobacco Cutting Machine

VISITORS

CTRI, Rajahmundry

7-2-2000 Dr. Ahmed Abaal, Information and Research Unit, Ministry of Health, Republic of Maldives

CTRI RS, Veda sandur

16-2-2000 Prof. M.A. Malik, Govt. Arts College, Mannargudi, Tanjore District.

12th to 30th Jan. 2000 Students from Agricultural Colleges of Madurai and Kallikulam

CTRI RS, Hunsur

23-3-2000 Dr. K.V.K. Namboothiri, Director, CPCRI, Kasargod visited CTRI RS, Hunsur

"I was greatly benefited by the visit to the station as a layman in tobacco cultivation. The CTRJ Research Station has extended full co-operation for our work on cocoa disease in the region. I wish to thank Dr. M.M. Shenoi and his colleagues for their kind gesture and wish them good luck".

-- Dr. K.V.K. Namboothiri

I J S C MEETING

Third meeting of 8th Institute Joint Staff Council was conducted at CTRI RS, Dinahata, West Bengal on 22nd March, 2000. All IJSC members of official side as well as staff side from CTRI, Rajahmundry participated in the meeting. Some of the problems pertaining to staff were discussed at length.

SCIENTIST APPOINTED



Dr. Satyajit Roy joined as Sr. Scientist in CTRI, Rajahmundry on 10-3-2000 from C R I J A F, Barrackpore on selection to the post in the discipline of Plant Pathology. Earlier he served at Central Potato Research Institute, Shimla.

INTER-INSTITUTIONAL TRANSFER

Name	Designation	From	To	Date
Dr. Lalit Kumar	Scientist	CTRI, Rajahmundry	Indian Institute of Pulses Research, Kanpur	13-1-2000
Sri N.D. Suresh	T-II-3	IISR, Lucknow	CTRI, Rajahmundry	11-2-2000
Sri Y.J.E. Samuel	Jr. Clerk	CTRI RS, Kandukur	DRR, Hyderabad	26-2-2000

APPOINTMENTS

The following Scientists were appointed as Sr. Scientists at CTRI.

Name	Date
Dr. T.G.K. Murthy	24-12-1999
Dr. K. Siva Raju	24-12-1999
Dr. A.V.S.R. Swamy	24-12-1999
Dr. C.C.S. Rao	24-12-1999
Dr.(Mrs.) K. Sarala	25-12-1999

RETIREMENT

Sri Kannemu Subba Rao, SS Gr.III retired on medical grounds w.e.f. 1-1-2000.

OBITUARY

Name	Designation	Place	Expired on
Sri K. Kondaiah	SS Gr.II	CTRI RS, Kandukur	11-1-2000
Sri Ch. Jesuratnam	Techn. T-2	CTRI, Rajahmundry	05-1-2000

KRISHI VIGYAN KENDRA

Long duration training programme

Three long duration training programmes were started on 'Jute cloth bag making' from 1-3-2000 to 30-6-2000 in three villages viz. Korukonda, Gummaladoddi, Gadala. Nearly 60 rural youth are undergoing training.

Rythu sadassulu

KVK staff participated in Rythu sadassulu at Mukkamala on 7th, 9th Jan, 6th and 28th February, 2000 and at Peddapuram on 1st, 2nd March, 2000. A total of 1000 participants were benefited.

Exhibitions

* KVK participated in DWCR, exhibition at Hyderabad from 3-2-2000 to 16-2-2000. A stall was arranged with all the products of KVK trainees.

* KVK arranged a stall in the exhibition arranged at RARS, Peddapuram from 1-3-2000 to 2-3-2000. KVK activities were displayed and demonstrations were conducted on i) Urea treated paddy straw and application of Bordeaux paste and ii) Vermicompost making.



Smt. N. Aruna Kumari demonstrating vermi compost making



Sri Satish Chandra, Collector, E.G.Dt. visiting KVK stall

TAR - IVLP PROGRAMME

The following technological interventions were implemented at Kotikesavaram, Nagampalli and Chipurupalli villages of East Godavari District.

- Assessment of the integrated management of *Heliothis armigera* and *Spodoptera litura* on the yield of blackgram and greengram after *kharif* paddy in uplands of East Godavari district.
- Assessment of the management of tea mosquito bug by chemical control methods in cashew under rainfed conditions in the upland region of East Godavari district.
- Assessment of insect pest (mango hopper, fruit borer, thrips, leaf

webber) and disease (powdery mildew) management by application of insecticides in rainfed mango in upland regions of East Godavari.

- Assessment of the impact of hormone application on the control of fruit drop in rainfed mango in uplands of East Godavari district.
- Assessment of impact of Uromin bricks on milk production of cows and buffaloes and reproductive performance of heifers.
- Assessment of performance of *rabi* paddy with biofertilisers and balanced dose of fertilizers under irrigated conditions in uplands of East Godavari district.

□ Assessment of performance of high yielding blackgram varieties, LBG 648, LBG 402 and LBG 17 and greengram varieties, LGG 410, LGG 407 and LGG 450 as relay crops under residual soil moisture and residual fertility situation in rice fallows.

□ Evaluation of performance of Vanaraja (poultry) breed in backyard poultry for income improvement.

A Research Project Proposal on Institution - Village Linkage Programme (IVLP) for Technology Assessment and Refinement (TAR) in coastal agro-ecosystem of the West Godavari District was prepared for the period 2000-2003.

संक्षिप्त समाचार

अनुसंधान सलाहकार समिति

□ दिनांक 15 मार्च, 2000 को डा. आई.वी. सुब्बाराव, उप-कुलपति, आचार्य एन.जी. रंगा कृषि विश्व विद्यालय, हैदराबाद की अध्यक्षता में अनुसंधान सलाहकार समिति की बैठक आयोजित की गयी। अन्य सदस्य डा. ए. सत्यनारायण, सहयोजित निदेशक (अनुसंधान) ए.एन.जी.आर.ए.यू., हैदराबाद, डा. टी.एस. सुब्रमनियम, मुख्य वैज्ञानिक, आई.टी.सी.-आई.एल.टी.डी., राजमंद्री, डा. एस. कोरी, निदेशक, तम्बाकू विकास निदेशालय, चेन्नई और सी.टी.आर.आई. के प्रभाग-प्रमुखों और अनुसंधान केन्द्रों के प्रधानों ने भी इस बैठक में भाग लिया और तम्बाकू अनुसंधान के सभी पहलुओं की समीक्षा की और भविष्य कार्यक्रम को अंतिम रूप दिया।

अनुसंधान उपलब्धियाँ

सी.टी.आर.आई., राजमंद्री

□ जैव-सघन आई.पी.एम. (बी.आर.पी.एम) अध्ययनों से यह दिखाया गया कि विभिन्न अंगभूतों यानी तम्बाकू रोपण के एक सप्ताह पहले तम्बाकू के परितः ट्रेप क्राप के रूप में दो कतारों में टेगेरिस को उगाना, रोपण के 30 दिनों के बाद प्रति हेक्टेयर में 20 चिड़ियों के अड्डों को खड़ा करना, रोपण के 40 दिनों के बाद 250 एल.ई. हेक्टेयर की दर में एच.ए.एन.पी.वी. का एक छिड़काव और रोपण के 50 दिनों के बाद लार्वा को हाथों द्वारा निकालने के द्वारा बड वार्म, एच आर्मिजेरा का अच्छा नियंत्रण के साथ साथ रासायनिक नियंत्रण में 1:2.41 के विरुद्ध अच्छा

सी.बी. अनुपात 1:2.56 दर्ज किया गया। यह बी.आई.पी.एम. रासायनिक नियंत्रण की तुलना में परिस्थितियों के अनुसार आर्थिकतया प्रभावी और सुरक्षित है।

सी.टी.आर.आई. आर.एस., हुण्णूर

□ खाद और नाइट्रोजन के प्रयोग द्वारा हरे पत्तों और संसाधित पत्तों के पैदावर में महत्वपूर्ण अंतर पाया गया। 8 टन हेक्टेयर की दर में एफ.वाई.एम. द्वारा अधिकतम हरे पत्तों का पैदावर (10, 181 कि.ग्रा प्रति हेक्टेयर) संसाधित पत्तों का पैदावर (1521 कि.ग्रा प्रति हेक्टेयर) और टी.जी.ई. (1216 कि.ग्रा प्रति हेक्टेयर), पैदावर उत्पादित किये गये। एन के स्तरों में से 50 कि.ग्रा एन ने पैदावर की लक्षणों में अधिकतम गुणता दिखायी।

Edited & Compiled by Y.V. Suryanarayana and C.V. Narasimha Rao

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