



समाचार Newsletter

Vol.19
No.4
Oct. - Dec.
1997



Central Tobacco Research Institute

NATIONAL SEMINAR ON *HELICOVERPA*

National seminar on present scenario on **Insecticide resistance in *Helicoverpa* and pesticide application technology** was organised by Central Tobacco Research Institute Research Station, Guntur in collaboration with Insecticide Resistance Action Committee (IRAC-India), Hyderabad on 20th December, 1997 at Hotel Baseera, Secunderabad. Scientists from Crop Protection Division of CTRI and CTRI RS, Guntur, 14 scientists from Agric. Universities and ICAR Institutes and 12 persons from Pesticide Industry participated in the seminar.



Dr. P. Chandurkar, Dr. K. Nagarajan, Dr. I.V. Subba Rao and Dr. Derek Russel

Dr. K. Nagarajan, Director, CTRI presided over the function. He emphasized the necessity of detailed studies on application technology and IRM strategies on various crops.

Dr. I.V. Subba Rao, Vice-Chancellor, of ANGRAU, Hyderabad was the Chief Guest. He inaugurated the seminar and addressed the gathering. In his inaugural address, Dr. Subba Rao described the series of problems associated with irrigation schedules, high yielding varieties, nutrient deficiencies, integrated pest management and insecticide resistance management in pest population. He cautioned the extent of damage caused by *Helicoverpa armigera* and recalled the events that took place in the development of resistance in *Helicoverpa armigera* to insecticides.

Dr. Derek Russel, Natural Resources Institute, Kent, UK in his key note address appreciated the continued efforts of NRI, ICAR and ICRISAT in combating the *Helicoverpa armigera* in insecticide resistance management and insecticide resistance monitoring in India through net work projects.

Dr. Chandurkar, Director, National Plant Protection Training Institute, Hyderabad outlined the role of pesticide appliances in India and stressed the necessity of pesticide application technology in India.

RESEARCH HIGHLIGHTS

CTRI, Rajahmundry

On-farm trials were conducted at Kateru, Vadisaleru and Bhadrachalam to evaluate the performance of new FCV lines 1099/2/4 and V-3569. These lines fared well and farmers expressed satisfaction on their growth and habitat.

CTRI Res. Stn., Hunsur

Barn insulation using mineral wool/rock wool under the roof resulted in 35-50% saving of wood fuel compared to outside thermocole insulation of roof, depending on factors like quality of wood fuel, type of leaf loaded and method of loading.

The fungicides Tilt, Score and Indofil M-45 and Foltaf were effective in reducing damage due to brown spot in the field crop.

Promising pre-release cultivars, NLS-4 and FCH-6534 were tested in different agroclimatic zones in an area of 40 ha each and the farmers were satisfied with the performance of these cultivars. Yield potential of these varieties ranged from 1600 to 2000 kg/h.

CTRI Res. Stn., Veda sandur

Lines HV 94-19 and HV 94-21 of Meenakshi & DWFC showed good promise against caterpillar resistance in field conditions.

HEAVY DAMAGE TO TOBACCO CROP IN SLS AREA OF A.P.

Tobacco crop in an area of 5500 ha out of 6600 ha of planted area (77%) in Prakasam and Nellore districts of AP was severely damaged due to heavy and continuous rains from 26.10.97 to 17.12.97. A total of 1052.2 mm rainfall was received in 28 rainy days during November and December as against the normal rainfall of 237.7 mm in 9 rainy days in the corresponding months of previous year.

TRANSFER OF TECHNOLOGY

TRAINING PROGRAMMES

Date	Scientists participated	Programme details	Trainees	Training place & Organiser
27.11.97 to 28.11.97	Dr. C.A. Raju, Dr.V. Krishnamurthy, Sri M. Sannibabu , Dr. A.V.R. Swamy, Sri S. G. Rao, Dr. S.V. K. Reddy	Tobacco production Technology	Tobacco Board field staff and 50 farmers	Jangareddygudem, Koyyalagudem Devarapalli and Thorredu Organised by Tobacco Board
08.12.97 to 12.12.97	Heads of Divisions and Scientists	Tobacco production Technology	Three Trainee Officers from GPI, Guntur	Rajahmundry Organised by CTRI
10.12.97	Sri GSB.Prasannasimha Rao, Sri S. Sitaramaiah, Sri M. Sannibabu	Improved varieties of FCV tobacco, Fertiliser management, Pest and disease management	Tobacco Board field staff and 50 farmers	Bhadrachalam Organised by Tobacco Board

FARMERS MEET & GROUP DISCUSSIONS

Date	Scientists participated	Programme details	Participants	Place & Organiser
01.11.97	Heads of Divisions and Scientists & others	Farmers Day on Tobacco Nurseries	75 nursery growers	Dommeru Organised by CTRI
18.11.97 to 19.11.97	Sri S.K. Naidu, Dr. V.K. Murthy Sri T. Krishnamurthy	Karshak Sadassu and Exhibition	150 farmers from TBS & NLS	Kovvuru Organised by ARS, Kovvur and State Agric. Dept.
22.11.97	Sri S.K. Naidu	Karshaka Sadassu and Exhibition	300 farmers	Ramachandrapuram, Organised by ARS, Kovvur & State Agric. Dept.
23.11.97 to 24.11.97	Sri S.K. Naidu	Karshaka Sadassu and Exhibition	Farmers from Vadisaleru and Ramannapeta	Peddapuram Organised by ARS, Peddapuram & State Agric. Dept.
05.12.97 to 06.11.97	Sri S.K. Naidu	Karshaka Sadassu and Exhibition	1000 farmers	Anakapalli Organised by ARS, Anakapalli & State Agric. Dept.



Farmers Day at Bhadrachalam



Sri S.K. Naidu, Scientist, CTRI, Sri G.M.C. Balayogi, Hon'ble Minister for Higher Education, A.P., Sri T. Thrimurthulu, MLA and Smt. Vanga Geetha, Chair Person, Z.P., E.G.Dt., A.P. in CTRI Stall at Ramachandrapuram Karshak Sadassu

CTRI Res. Stn., Pusa

Dr. K.D. Singh attended i) Karshak gosti at Premroj and Kathara villages organised by M/s Kisan Brothers on 27.10.97, ii) Farmers meet at Tiswara, Sarairanjan villages as Chief Guest on 17.11.97, iii) Rabi seminar and Krishak gosti at Rajkhan organised by M/s Krishak Bharathi Cooperative Ltd., Patna on 26.11.97 and iv) Krishak Gosti at Banana Res. Stn., RAU, at Hariharapur organised by KVK, RAU on 15.12.97.

CTRI Res. Stn., Kandukur

Scientists from this station have participated in the field visits as members of Interagency team constituted by Tobacco Board, Guntur in different places of tobacco growing areas of SLS from 13-10-97 to 16-10-97 and also participated in the training programme for Tobacco Board staff and farmers of different auction platforms in SLS area from 20-11-97 to 16-12-97.

RADIO TALKS

□ బర్డ్ పాగాకులో నన్యరక్షణ. by Sri G. Ramaprasad on AIR, Visakhapatnam, 6.10.97

□ ఉత్తర కోస్తా నల్ల నేలల్లో వర్షనియా పాగాకు యజమాన్యం. by Sri S.K. Naidu on AIR, Vijayawada, 14.11.97

□ వర్షనియా పాగాకు పంటలో తెగుళ్ళు - నివారణ. by Dr. C.A. Raju on AIR, Vijayawada, 21.11.97

□ వర్షనియా పాగాకు నాణ్యతను కాపాడుట ఎలా? by Sri A. Hanumantha Rao on AIR, Visakhapatnam, 1.12.97

□ వర్షనియా పాగాకు రెలుపు మరియు క్యూరింగులో మెళకువలు. by Sri R. Srinivasulu on AIR, Vijayawada, 3.12.97

□ బర్డ్ పాగాకు ఆకు రెలుపులు - క్యూరింగులో మెళకువలు. by Sri T. Krishnamurthy on AIR, Vijayawada, 17.12.97

□ తాటినార పరిశ్రమలో నార విడదీసే యంత్రాలు. by Sri R. Sudhakar on AIR, Vijayawada, 19.12.97

□ అకాల వర్షాలకు పాడైన పాగాకు తోటల రైతులకు సూచనలు. E TV programme, Annadata, 25.12.97

□ అకాల వర్షాల వలన ప్రకాశం, నెల్లూరు జిల్లాలలో పాగాకు తోటలకు కలిగిన నష్టము - సూచనలు E TV programme, Annadata, 27.12.97

□ Post planting operations in Tobacco by Sri K. Manoharan on AIR, Madurai, 21.10.97

□ Radio discussion on "Disease and Pest management in Tobacco" by Sri C. Muruganandan on AIR, Madurai 21.10.97

PAPERS PUBLISHED

SITARAMAIAH, S., G. RAMAPRASAD, U. SREEDHAR and S. NAGESWARA RAO. పాగాకు తోటల్లో నేలపెంకి పురుగుల బెడద - నివారణ. Eenadu, 4th Nov., 1997.

CHARI, M.S., R.S.N. RAO, U. SREEDHAR, S.A. NAIDU and P.K. NAIK. Biointensive IPM of *Spodoptera litura* F. in field crop of tobacco in Andhra Pradesh. IPM & Sustain. Agric. an ent Appr. 6:51-58, 1996.

NAGARAJAN, K. and J.A.V. PRASAD RAO. వర్షనియా పాగాకు క్యూరింగు చేయు విధానము. Mana Rytu Vani, Oct.-Nov., 1997.

CONFERENCES AND TRAININGS

□ Dr. C.A. Raju, Sr. Scientist attended the International Conference on "Integrated Plant Disease Management for sustainable Agriculture" held at Indian Agricultural Research Institute, New Delhi during November 10-15, 1997 and presented a paper.

□ Dr. K. Giridhar, Scientist attended the winter school on "Organic farming and sustainable agriculture" at College of Agriculture, Raichur, Karnataka from 8.12.97 to 28.12.97.

□ Sri C. Mahadeva, Tech. Officer attended a training programme at CIAE, Bhopal from 26.12.97 to 31.12.97.

□ Dr. M.M. Sheno, Sr. Scientist and Head, CTTRI Res. Stn., Hunsur attended a symposium on "Economically important diseases of crops" organised by Indian Phytopathological Society (South Zone) at IHR, Bangalore from 18.12.97 to 20.12.97 and presented the paper.

□ Dr. G. Raghupathi Rao attended the National Seminar on "Plant protection towards sustainability" during December 22-24, 1997 at Hyderabad and presented two papers.



Sri M. Apparao, Tech. Officer, CTTRI, Rajahmundry has passed M.A. (Agric. Economics) degree from Andhra

University and P.G. Diploma in Agric. Journalism through distance education from Haryana Agric. Univ. during 1997-98.

Congratulations

SCIENTIST APPOINTED



Sri H. Ravi Sankar has joined in CTTRI on 1st December, 1997 as a Scientist (Computer Applications in

Agriculture). He worked as a Technician T-II-3 at the Computer Cell of CTTRI for three years from November 1994.

Congratulations

HONOURS AND AWARDS

□ The International Potash Institute, Switzerland and Fertiliser Association of India (IPI-FAI) Award for 1997 was presented to Dr. V. Krishnamurthy, Dr. B.V. Ramakrishnayya and Dr. P.R.S. Reddy of CTTRI, Rajahmundry for the best work done on "Effect of potash on yield and quality of crops". The award consists of Rs.15,000 to be equally shared among team members while a Gold Medal was awarded to Dr. V. Krishnamurthy. The award was given by Sri M. Arunachalam, Hon'ble Union Minister of Chemicals and Fertilisers, during the inauguration of FAI Annual Seminar on 11.12.97 at Ashok Hotel, Chanakyapuri, New Delhi.

□ The CTTRI Research Station, Pusa

received SANTWANA PURASKAR in Krishak Prashikelhhan Sab Kisan Mela, Madhubani, Bihar for its stall which was inaugurated by the Hon'ble Union Agric. Minister Sri Chaturanan Mishra on 8.3.97.

□ CTTRI Stall in the Kisanmela - Vyavasaya Pradarsana at ARS, Anakapalli secured 1st prize on 6.12.97.

□ Dr. K.D. Singh, Principal Scientist and Head, CTTRI Res. Stn., Pusa was conferred **Crop Research Award**, for the year 1997, for his significant contributions in the field of research on various crops and promoting agricultural literature by the Gaurav Society of Agricultural Research Information Centre, Hissar, Haryana.



Dr. V. Krishnamurthy receiving the award from Sri M. Arunachalam

ICAR INTER INSTITUTIONAL SPORTS

A contingent of 27 players both men and women participated in the ICAR Zone III (South Zone) Inter Institutional tournaments held at Coimbatore under the leadership of Sri S.K. Naidu. In the team events CTRI came as runners in Volley Ball (Volley), Volley Ball (Shooting) & Table Tennis (Women) and also secured the following prizes in the individual events.

Item	Place	Name of the player
Men		
1. Disc throw	2nd place	Sri D. Balarama Reddy
2. Short put	2nd place	Sri D. Balarama Reddy
3. Javelin throw	3rd place	Sri D. Balarama Reddy
4. High Jump	2nd place	Dr. P. Siva Rao
5. Pole vault	3rd place	Sri S. Ramakrishna
Women		
6. Disc throw	1st place	Smt. P.V.S. Bharathi
7. Long jump	3rd place	Smt. A. Aruna Kumari
8. High jump	2nd place	Smt. V. Bhagyalaxmi
9. High jump	3rd place	Smt. B. Swarna Kumari



CTRI contingent with Secretary, ICAR and Director, SBI, Coimbatore

APPOINTMENTS

Name	Designation	Place	Date
Sri G. Prabhakar	Tech. T-II-3	CTRI, Rjy	3.11.97
Sri S. Kumar Dam	Tech. T-II-3	CTRI Rs Jeelugumilli	13.11.97
Sri H. Ravi Sankar	Scientist	CTRI, Rjy	1.12.97
Sri A. Mutyam	SS Gr-I	CTRI, Rjy	20.10.97

RETIREMENTS

Name	Designation	Reason	Date
Smt.Y. Suramma	SS Gr.III	Superannuation	31.10.97
Smt.K. Suryakantham	SS Gr.III	Superannuation	31.10.97
Sri A. Satyanarayana	SS Gr.III	Superannuation	31.10.97
Sri A. Satyanarayana	SS Gr.IV	Voluntary	1.11.97
Sri P. Appa Rao	SS Gr.III	Superannuation	30.11.97
Sri R.L. Paswan	Tech. T-1-3	Superannuation	31.12.97

VISITORS



Dr. K. Nagarajan, Mr. Juarez Kothe (M/s BAT, UK), Sri R. Subba Rao and Dr. T. Subramaniam

अनुसंधान के प्रमुख आकर्षण

सी.टी.आर.आई., राजमन्त्री

1099/2/4 और वी-3569 नामक नई एफ.सी.वी. वंशावलियों के निष्पादन के मूल्यांकन के लिए कातेरू, वडिशलेरू और भद्राचलम के खेतों पर परीक्षण किये गये। इन वंशावलियों ने अच्छा किया और किसानों ने उनके उत्पादन और आवास पर संतोष व्यक्त किया।

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

काष्ठ ईन्धन की गुणता, पत्तों का किस्म और उनको भरने का तरीका जैसे तत्वों पर आधारित, छत के नीचे खनिज ऊन/शैल ऊन के साथ किया गया बार्न इन्सुलेशन के परिणाम स्वरूप छत के ऊपर किया गया थर्मोकॉल इन्सुलेशन की तुलना में काष्ठ ईन्धन में 35-50% बचत पाया गया।

राष्ट्रीय संगोष्ठी

कीटनाशी प्रतिरोधी कार्रवाई समिति, हैदराबाद के सहयोग से केन्द्र तम्बाकू अनुसंधान संस्थान अनुसंधान केन्द्र गुन्डूर द्वारा 20 दिसम्बर, 1997 को होटल बसेरा सिकिन्द्राबाद में "हेलिकोवैरपा में कीटनाशी प्रतिरोधिता एवम् पेस्टिसाइड प्रयोग तकनोलोजी" के वर्तमान दृश्यलेख पर एक राष्ट्रीय संगोष्ठी आयोजित की गयी।

ए.एन.जी.आर.ए.यु., हैदराबाद के कुलपति डा. आई.वी.सुब्बाराव मुख्य अतिथि थे। डा. के.नागराजन, निदेशक, सी.टी.आर.आई. ने समारोह की अध्यक्षता की। सी.टी.आर.आई. और सी.टी.आर.आई. अनुसंधान केन्द्र, गुन्डूर के सस्य संरक्षण प्रभाग के वैज्ञानिक, कृषि विश्व विद्यालयों से 14 वैज्ञानिक और आई.सी.ए.आर. के संस्थानों और पेस्टिसाइड उद्योग से 12 सदस्यों ने इस संगोष्ठी में भाग लिया।

पुरस्कार

"फसलों की गुणता एवम् उत्पादन पर पोटाश का प्रभाव" पर किए गए अच्छे कार्य के लिए अन्तर्राष्ट्रीय पोटाश संस्थान, स्टिजरलेण्ड और भारतीय उर्वरक संस्था के 1997 वर्ष का पुरस्कार सी.टी.आर.आई., राजमन्त्री के डा.वी.कृष्णमूर्ति, डा.बी.वी.रामकृष्णय्या और डा.पी.आर.एस.रेड्डी को प्रदान किया गया। पुरस्कार की कुल राशि रुपये 15000 टीम सदस्यों में समान रूप से बाँटनीय है जबकि स्वर्ण पदक डा.वी.कृष्णमूर्ति को प्रदान किया गया।

श्री एस.के.नायडू के नेतृत्व में कोयमबतूर में आयोजित आई.सी.ए.आर. जोन. III (दक्षिण जोन) के अन्तर-संस्थानीय खेल-कूद प्रतियोगिताओं में महिलाओं और पुरुषों को मिलाकर कुल 27 खिलाड़ियों का एक दल ने भाग लिया और टीम स्पर्धाओं में तीन पुरस्कार और व्यक्तिगत स्पर्धाओं में 9 पुरस्कार प्राप्त किये।