



CTRI News Letter

CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY-5 (A.P.)

Vol 9 No. 2 NEWS LETTER OF CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY, JUNE 1987.

MAJOR EVENTS

A review meeting of Research and Development programmes of Karnataka was held at CTRI Research Station, Hunsur on 7-8 May, 1987 under the Chairmanship of Dr. C. Kempanna, Deputy Director General (CS), ICAR. Dr. M. S. Chari, Director presented the details of Research and Development activities in progress and the future thrusts. The review meeting was arranged to see how far the R&D mechanism was successful in transferring the viable technology on root-knot control by fumigation with Durofume and other measures.

Dr. M. S. Chari, Director in his inaugural address thanked the Chairman, Tobacco Board, Director of Auctions, Consultant, Tobacco Board and M/s. ILTD for their whole hearted co-operation in the transfer of technology. Dr. Chari explained the importance of raising good nursery with healthy, nematode free seedlings by following the recommended package of practices. He advocated the importance of plant position grading and informed that a programme for training farmers in the villages on plant position grading is being taken-up by the CTRI Research Station with the help of Tobacco Board.

The Tobacco Board has also taken up the programme of seed production from the ensuing season. The entire requirement of seed of the variety FCV Spl. will be produced by the Tobacco Board with the technical know-how from the Scientists of CTRI Research Station, Hunsur. In this regard Dr. Chari informed that interagency meetings will be held to modify the package of practices or even the varieties depending upon the style in demand. The recommended package of practices for Karnataka are brought out in the form of six pamphlets. Dr. Chari specially mentioned that feed back from the farmers on the gaps in the transfer of technology should be thoroughly looked into by the concerned scientists and suggest suitable remedial measures. While concluding his Inaugural address Dr. Chari emphasised the need for maintaining high standard of tobacco quality to compete in the export market.

Delivering the Key Note address Dr. C. Kempanna, Deputy Director General (CS), ICAR, felt that scientific integration, converting inventions and innovations in different disciplines into technology is the need of the

R & D REVIEW MEETINGS



Inauguration of R & D Meetings and Farmers' Day at CTRI Research Station, Hunsur.

hour. He urged the participants to convert scientific achievements into adaptable field practices, which would form an ideal concept for agricultural revolution. He stressed the need for forming Farmer Advisory Groups within the five micro climatic regions of FCV tobacco growing area in Karnataka to take the technology to the cultivators for adoption and feed back.

Dr. Kempanna while talking on the use of other alternative cheaper sources of mulching material mentioned that jute is being loosely knit and has found use in soil erosion control as geo textile. This textile product may be used as caps for covering seedlings and also as mulch and may be put to use repeatedly till they decompose.

Dr. B. G. Jaisani, Project Co-ordinator (T), A. I. C. R. P, Anand, Sri S. Kori, Director, Directorate of Tobacco Development, Dr. B. V. Ramakrishnayya,

Officer-in-Charge, CTRI Research Station, Hunsur, Dr. T. S. Subrahmanyam, ITC Ltd, ILTD Division, Syed Macbul Ahmed, Technical Manager, Karnataka State Ware-housing Corporation, Dr. K.S. Narasimhan, Central Food Technological Research Institute, Mysore, Dr. Nagaraja Setty, Chief Scientist, Agricultural Research Station, Shimoga. Sri Vishakantalah, Auction Superintendent, Tobacco Board and Scientists of CTRI also spoke on the occasion.

The Farmer's Day at the Station was celebrated on 7th May, 1987. Dr. M. S. Chari, Director welcomed the gathering. Sri Honne Gange Gowda, IAS., Managing Director, Karnataka Warehousing Corporation was the Chief Guest. Dr. C. Kempanna, Deputy Director General (CS) delivered the Key Note address and released Extension literature prepared by the Tobacco Board, Directorate of Tobacco Development and CTRI.



Dr. M. S. Chari, Director, Tobacco Research explaining the activities of CTRI to Prof. N. G. Ranga, M P. & Member of ICAR Governing Body.

Prof. N. G. Ranga, veteran freedom fighter, senior most parliamentarian and Member of ICAR Governing Body, accompanied by Sri D. Veeraiah, Vice-President of Tobacco Board visited the Institute on 21st May, 1987 and addressed the scientists of CTRI. He strongly felt that the agricultural scientists should be given due recognition and special attention as they are the backbone of the country and responsible for green revolution. He expressed his immense pleasure to see the devoted work of the scientists of CTRI. Dr. M. S. Chari, Director appraised the research activities to the VIPs and took them round to the laboratories and museum.

Dr. M. S. Chari, Director inaugurated the CTRI White Burley Research Centre at Jeddangi on 22nd May, 1987. Sri Vasantharayudu, former Sarpanch of Jeddangi presided over the function and Sri K. D. Singh, Officer-in-Charge of the Centre welcomed the gathering.

Dr. Chari in his inaugural address clarified the reasons for reinstalling the Centre at Jeddangi. He men-

tioned that to explore the possibilities of growing White Burley tobacco in the hilly area of Vizag district, the Centre was temporarily shifted to Chintapalli. Though the research results were quite encouraging at Chintapalli, in producing good quality leaf, the tribal farmers are not coming forward to grow this crop, as it is a time bound crop to be grown with proper care. During the last 3 years the importance of this crop especially in the Eleswaram track, developed a good demand in international market. In view of this, the Research Centre has been reinstalled at Jeddangi. Dr. Chari informed that research activities will be intensified towards the production of quality tobacco with increased yields. White Burley tobacco is the only crop in Jeddangi area which is giving more returns than any other crop to the tribal farmers. Dr. Chari pointed out that in view of the dominant role played by the crop for uplifting the socio-economic status of the tribals, the State Government is being approached to spare 30 acres of land to establish a permanent White Burley Tobacco Research Station at Jeddangi.



Inauguration of white Burley Tobacco Research Centre at Jeddangi by Dr. M. S. Chari Director, Tobacco Research.

Sri Vasantharayudu informed that the yields of Burley tobacco during 1975-83 were increased due to the adoption of technology developed by CTRI. After shifting the Centre to Chintapalli, from Jeddangi, the yields have come down in this area because of lack of technical guidance. He hoped that with the guidance and technical know-how of the scientists of CTRI, the yields will be increased.

Sri Chittoori Prabhakara Chowdary, Ex-MLA, Sri Krishnamurthy Reddy, Sri Janardhana Reddy, ILTD, Dr. T. S. Subrahmanyam, ILTD, Sri Raghavaiah, M/s, Godfrey Philips, Sri P. Rama Rao, M/s. Mittapalli Adinarayana & Co., also spoke on the occasion. All of them expressed their happiness for reinstalling the centre at Jeddangi.

RESEARCH HIGHLIGHTS

A new formulation Ridomil ZM 280 FW (Metaxyl + Ziram) effectively controlled damping off and black shank in FCV tobacco nursery in Karnataka. The application as a drench at 0.2% at sowing followed by a spray at 20 days after sowing significantly increased production of healthy transplants over untreated check.

Under the development programme of Tobacco Board in Karnataka in collaboration with CTRI Research Station, Hunsur for demonstration of nursery fumigation for nematode control and supply of healthy seedlings, 12.5 lakhs seedlings were supplied from Hunsur Centre and 3.2 lakhs seedlings from Periyapatna Centre. Also under the seed production programme to meet the demand for 1988 season, seedlings of varieties FCV

Special and K. 51 E were produced at the Research Station's farm with breeder's seed. Seed plots were planted in Mysore and Shimoga districts.

For control of suckers in chewing tobacco of Tamil Nadu, Kerosene oil emulsion at 50% gave the maximum yield of 4,304 Kg/ha followed by neem oil emulsion at 25% which gave an yield of 4,196 Kg/ha. Neem oil emulsion 35% and waste oil emulsion 50% gave equal yields to neem oil emulsion 25%. There was no damage by the use of Kerosene and waste oil besides registering an increase in yield by 378 Kg and 217 Kg respectively.

Jati tobacco variety 'Chema' was found to be superior to 'Podali' for Dinhatata area.

APPOINTMENTS

Sri P. Girija Sankar has been appointed to the post of Asst. Projector Operator (APO) at CTRI, Rajahmundry, w. e. f. 3-4-1987 A. N.

TRANSFERS

1. Sri A. Muthuraman, Assistant has been transferred from CTRI Research Station, Hunsur to CTRI Research Station, Vedasandur, w. e. f. 8-4-1987,

2. Sri A. James, Tech. T-II-3 has been transferred from CTRI Research Station, Vendasandur to CTRI Research Station, Hunsur, w. e. f. 9-4-1987.
3. Sri J. S. Narahari, Steno Gr. II, has been transferred from CTRI Rajahmundry to CTRI Research Station, Hunsur, w. e. f. 10-4-1987.
4. Sri R. S. Sastry, S. S. Gr. I has been transferred from CTRI Research Station, Dinjata to CTRI Rajahmundry.
5. Sri Ch. Madhava Rao, Teach. T-II-3 has been transferred from CTRI Rajahmundry to CTRI Research Station, Hunsur, w. e. f. 1-6-1987.
6. Sri C. A. Raju, Scientist Gr. S-2 has been transferred from CTRI, Rajahmundry to CTRI Research Station, Kandukur, w. e. f. 20-6-1987.

RETIREMENTS

The following staff members of this Institute and its Research Stations retired from Council's service on attaining the age of superannuation.

1. Sri J. V. Ramana Murthy, Tech. T-I-B, CTRI Rajahmundry retired voluntarily, w. e. f. 30-4-1987

2. Sri K. Subba Rao, Tech. T-I, CTRI, Rajahmundry. w. e. f. 30-6-1987.
3. Sri Y. Satyanarayana, S. S. Gr. II, CTRI Rajahmundry w. e. f. 30-6-1987.
4. Sri C. Narayanan, S. S. Gr. III, CTRI Research Station, Hunsur. w. e. f. 30-6-1987.
5. Sri S. P. Thangaraj, S. S. Gr. III, CTRI Research Station, Vendasandur. w. e. f. 30-6-1987.

PUBLICATIONS

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2. Induced chromosomal mutants in tobacco
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3. Stability of performance in indigenous natu tobacco (*N. tabacum L.*)
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6. Studies on longevity and depth of emergence of broomrape in tobacco fields.
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7. Forms of potassium in flue-cured tobacco soils of Andhra Pradesh
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8. Salinity survey in flue-cured tobacco soils of Andhra Pradesh.
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9. Effect of soil type and stalk position on micronutrient cations in flue-cured tobacco,
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Prabhu, SR and Chakraborty, MK
Tob. Res. 12 (2): 175-85, 1986.
13. Determination of alkaloid composition in Indian tobacco by HPLC
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Tob. Res. 12 (2): 196-201, 1986.
15. Adoption of improved technology of the cured virginia (FCV) tobacco in Andhra Pradesh.
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Indian J. Ext. Edn. 21 (3-4); 108-9, 1985.
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17. Form of nitrogen plays a major role in the N-uptake by tobacco plant.
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18. Soil type and nitrogen form certainly influence the yield and quality of tobacco.
Sreeramamurty, CH and Gopalachari NC
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19. Tobacco by N. C. Gopalachari & C. V. Raghavaiah (In efficient management of dryland crops edited by V. Balasubrahmanian and J. Venkateswarlu P. 373-90, 1985.)
20. Influence of crop sequences and nitrogen levels on yield and economics of natu tobacco (*N. tabacum L.*)
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26. Bionomics of *Plusia signata F.* on cigar wrapper tobacco.
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Edited & Compiled by M. C. M. Reddy & A. Haranath.

Published by the Director, Central Tobacco Research Institute, Rajahmundry-533 105 (A. P.)
Printed by M/s. Ganesh Printing & Binding Works, Rajahmundry.