Cotton Innovate

A Monthly Newsletter from ICAR-Central Institute for Cotton Research, Nagpur

COTTON INNOVATE

Trichogramma Bactrae - Male and Female
Contributed by Dr. K. Ramesh, ICAR-CICR, RS, Coimbatore

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Research Note Clipping

Extension Model for Promoting the Production of Extra Long Staple Cotton in India

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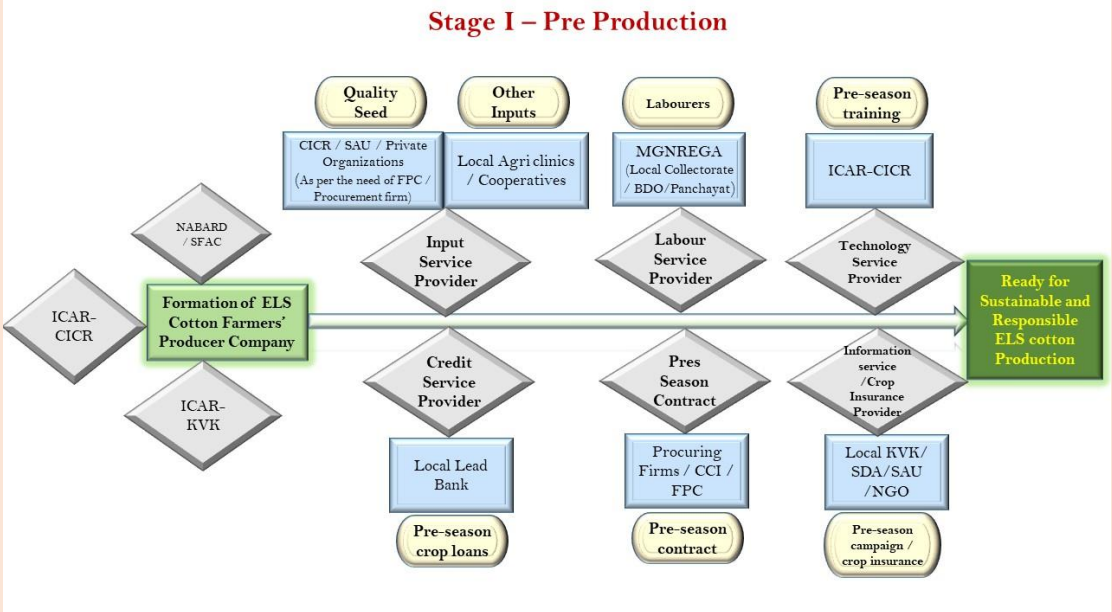
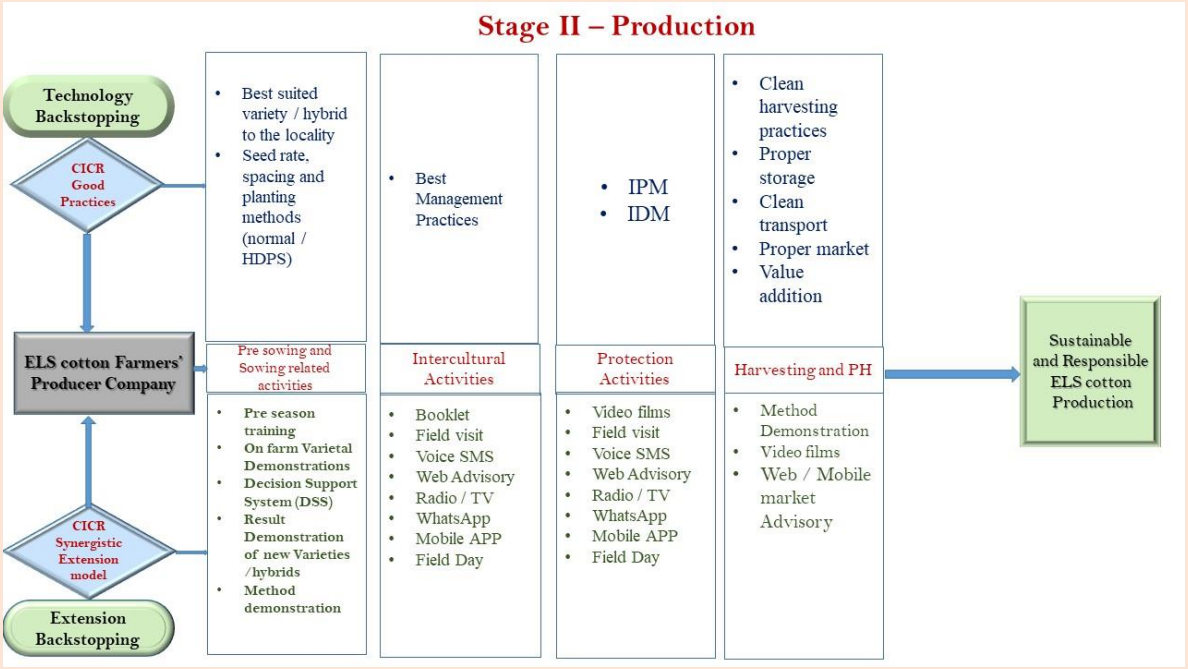
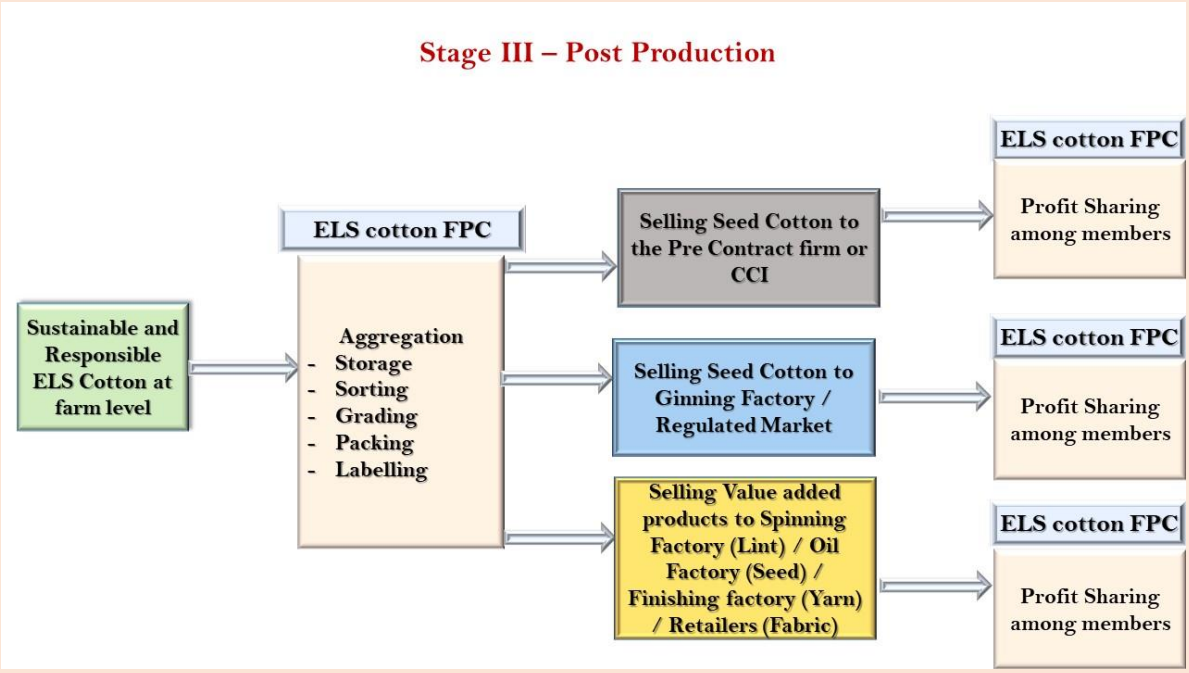
Extra Long Staple cotton (34.9 mm and above) is highly demanded by the industries and mostly imported from other countries. To meet the above requirement, India has to import significant quantities of ELS Cotton namely Supima from USA, Giza cotton from Egypt as well as some quantities of CIS and Sudan cotton. As India accounts for 40 per cent of the global share in the fine and super fine cotton yarn trade, it is the country's R & D institutes' responsibility to foster the production of ELS cotton. There are good varieties, interspecific hybrids and other technologies available for improving the production of ELS cotton. But, diffusing them to the end users through an appropriate tailor-made diffusion model, documenting the concerns of end users as regards cultivation and marketing of ELS cotton and providing empirical evident data for finalizing the policy are not there in the present system. Hence an extension project has been executed to develop an extension approach to foster the production of ELS cotton by disseminating the appropriate yield enhancing technologies with novel TOT innovations.

Problem Tree Analysis conducted among 238 ELS cotton growers in five Focussed Group Discussions facilitated to map out the causes and effects of the major problem found "Low Adoption of ELS Cotton" and further the objective and strategy analyses. Primary data collected from 450 respondents in the study area revealed the profile characteristics of ELS cotton growers which would be useful in planning development projects. The analysis on cultivation behaviour revealed that majority of them had positive attitude towards ELS cotton cultivation and medium level of knowledge and adoption. The technology adoption gap analysis revealed that major technology adoption gaps were found in adopting the technologies related to pest management, nutrients management and planting methods. Similarly, the marketing behaviour, information seeking behaviour and the willingness for contract farming and FPOs were analysed. Constraints faced by the cultivars and other stakeholders were documented. Value chain present in one of the study ELS cotton growing districts was documented as a case study. To know the Prospects of FPOs to foster the production of ELS cotton, a critical analysis was made on the FPOs promoted by SFAC/NABARD in total, on cash crops including cotton and in the study area.



Based on above said observations and collected data, a model called “Pluralistic Extension Model for Fostering the Production of ELS cotton” was conceptualized. Based on the analysis of empirical data and stakeholders’ perceptions, an Empirical model was developed.





CICR Happenings

ICAR-CICR, Nagpur conducts KAPAS Mela 2022

ICAR-CICR, Nagpur organized Kapas Mela 2022 on 24th November 2022 to showcase improved cotton technologies and facilitated farmer-scientist interaction. Dr. C.D. Mayee, Former Chairman, ASRB and Agriculture Commissioner, GOI was the Chief Guest. During the technical session of Kapas Mela organized by ICAR-CICR, Nagpur on 24 Nov. 2022, Mrs. Pragati Gokhale, Advisor, Rajiv Gandhi Science & Technology Commission conducted an interactive session on "Mission: Mera Mobile Mera Marketing" through Market Mirchi app. A total of five hundred farmers attended and got benefitted from the Mela.

City based premier institute ICAR-CICR organised farmers' training cum exposure visit to tribal farmers

One day farmer's training-cum-exposure visit and critical input distribution program was organized on 3rd November, 2022 at city based premier research establishment, ICAR-Central Institute for Cotton Research, Nagpur under centrally sponsored development action plan for schedule tribes, DAPST (formerly Tribal Sub Plan) scheme.

A multidisciplinary team of scientists and subject experts comprising Dr. V. Chinna Babu Naik, Senior scientist (Ag. Entomology) and nodal officer (TSP scheme), Dr. Dipak T. Nagrale, Senior Scientist (Plant Pathology), Dr. Ramakrishna, G.I., Senior scientist (Agronomy), Dr. Ulhas Galkate, SMS (Veterinary science) and Mrs. Sunita Chauhan, SMS (Home science), CICR-KVK, Nagpur interacted and guided tribal farmers on several issues of cotton crop production, pests and diseases protection, animal husbandry, poultry farming and lumpy skin disease management in cattle and integrated faming systems trained the farmers. This program was organised under chief guidance of Dr YG Prasad, Director, ICAR-CICR, Nagpur. At the outset, Dr. V. Chinna Babu Naik briefed about the DAPST scheme for development of tribal farmers and their livelihood enhancement. On this occasion, CICR-KVK cotton picking bags, Trichogramma cards for pink bollworm management, yellow sticky traps for sucking pest management and technical folders on pest management were distributed to the participants of tribal farmers of the district. Dr YG. Prasad, Director, ICAR-CICR, Nagpur, explained about the current cotton scenario and emphasised on the district based training on package of practices for enhancing cotton production and specified programs for improving tribal famers' income. Dr. Nandini Gokte-Narkhedkar, Principal Scientist and Head, Division of Crop Protection briefed about timely interventions of cotton protection technologies and organic inputs for improving sustainable soil fertility effective cotton farming. Similarly, Dr. Ulhas Galkate detailed about how to improve cattle breed via artificial insemination and milk production, advice on routine deworming protocols, importance of vaccination in cattle and poultry birds, feed mineral supplements mixture to improve overall health of cattle. During exposure field visit Dr. V. Chinna Babu Naik guided the farmers on diagnosis of pink bollworm from rosette flowers and green bolls in cotton crop, explained about the benefits of installation of pheromone traps and release of Trichogramma cards in cotton field with on-farm demonstration for the establishment of Trichogramma cards. Dr. Dipak T. Nagrale explained about major foliar diseases boll rot disease complex and grey mildew disease management in cotton. Dr. V. Chinna Babu Naik and Dr. Dipak T. Nagrale coordinated the training program. Mr. Eluka Sridhar (Technical Assistant) and Mr. Haresh Maraskolhe, Young Professional –I (TSP scheme) assisted in coordination of program. Vote of thanks was proposed by Mr. Sujit Kumbhare, (Technical Assistant). More than 40 tribal farmers from Parsheoni block of Nagpur district attended the program.

Training Program For Students

One day training and exposure visit to one hundred and fifty B.Sc. Biotechnology, Biochemistry and Environmental Science students and six teachers of Kamala Nehru Maha Vidyalaya was conducted on 17th November 2022. A series of lectures were delivered in the morning session on microbial strategies for crop and soil productivity by Dr K Velmourougane, Sr. Scientist (Ag. Microbiology), sustainable soil health and crop production by Dr. A. Manikandan, Sr. Scientist (Soil Science) and role of growth regulators on Plant Physiology by Dr JH Meshram, Principal Scientist (Physiology). Students were given opportunity to visit the Biotechnology lab, Microbiology lab and Soil Science lab. Dr. E. Raghu, Dr. Jimmy Vaidya and Mr. Chandrasekhar Mundafale co ordinated the lab visits. Students were keen to know the role of earthworms on vermicomposting technology.

ICAR-CICR organised one day farmers' training, pest awareness camp and seed distribution program

One day farmers' training, pest awareness camp cum seed distribution program was organized on dated 4th November, 2022 at KVK, Sonapur, Gadchiroli under centrally sponsored development action plan for schedule tribes, DAPST (formerly Tribal Sub Plan) scheme. A multidisciplinary team of scientists including subject experts Dr. V. Chinna Babu Naik, Senior scientist (Ag. Entomology) and nodal officer (TSP scheme), Dr. Dipak T. Nagrale, Senior Scientist (Plant Pathology), Dr. Sandip Karhale, Programme coordinator, KVK, Gadchiroli, Mr. D. V. Thatod, SMS (Agri. Engineering), Mr. N. P. Buddhewar, SMS (Agrometerology) and Mr. P. N. Chirade, SMS (Agronomy) interacted and guided the tribal farmers on several issues of cotton crop production, pests and diseases protection, farm mechanization, chickpea cultivation practices and integrated faming systems. Mr. Barikrao Madavi, President, Koytur FPO and Mr. Shivram Kumare, Vice-president, Koytur FPO, Gadchiroli were also present during the event. This program was organised under the guidance of Dr. YG. Prasad, Director, ICAR-CICR, Nagpur. Dr. V. Chinna Babu Naik briefed about the DAPST scheme for development of tribal farmers and their overall livelihood enhancement. On this occasion, improved variety of chickpea (JAKI-9218 each 30 kg bag) seeds per acre per farmer were distributed to the tribal farmers of Gadchiroli district.

During the opening remark, Dr. Sandip Karhale explained about the current cotton scenario in the district and pointed out district based training on package of practices for enhancing cotton production and some specific programs for improving tribal famers' income. Dr. V. Chinna Babu Naik narrated about the sucking pests and pink bollworm management strategies in cotton for improving the productivity in cotton. Dr. Dipak T. Nagrale briefed about rabi crop pests and disease management along with major foliar diseases, boll rot disease complex and grey mildew disease management in cotton. Mr. P. N. Chirade explained about chickpea cultivation and production technologies. Mr. N. P. Buddhewar described the significance of seed treatment in rabi crops. Mr. D. V. Thatod sensitized the farmers about the importance of farm mechanization in maximizing farm produce and minimizing cost of cultivation in agriculture. Dr. V. Chinna Babu Naik and Dr. Dipak T. Nagrale coordinated the whole training program. Mr. Haresh Maraskolhe, Young Professional-I (TSP scheme) assisted in the coordination of program. Vote of thanks was proposed by Mr. D. V. Thatod. More than 60 tribal farmers from the Gadchiroli district got benefitted from the program.

ICAR-CICR, Nagpur signed MoU with ISRO

ICAR-CICR, Nagpur and National Remote Sensing Centre, ISRO, Hyderabad signed Memorandum of Understanding (MoU) under the National Carbon Project on 12th July 2022 for Soil vegetation atmospheric fluxes (Agro-ecosystem)

ICAR-CICR celebrates constitution day

Constitution day was celebrated at ICAR- Central Institute for Cotton Research on November 26, 2022. Pledge taking ceremony was organised on the occasion of constitution day and the staff of CICR, Regional Station attended both physically and virtually.

Vice Chancellor, Vasantrao Naik Marathwada Krishi Vidyapeet visits ICAR-CICR, RS, Coimbatore

Dr Indra mani, Honourable Vice Chancellor of Vasantrao Naik Marathwada Krishi Vidyapeet, Nanded visited CICR, Regional Station on November 10, 2022. He interacted with all the scientists of the station and had discussion about the ongoing research programme at the station

Front line Demonstrations

Front line demonstrations (FLD) in experimental fields were monitored and input (Pheromone trap, Sticky trap) distribution to farmers under NFSM-FLD was done at Kondhali and Hatala, Katol Taluka, Khandala, Narkhed, Malegaon and Patnsaongi Saoner.

Monitoring of trials involving Potassium Salt of Active Phosphorus

A team of staff from Isha Agro Sciences (P) Ltd, Pune visited on 28th November 2022 to monitor the performance of PSAP.

Students visit ICAR-CICR, RS, Coimbatore

Seven B.Sc. (Ag.) students from Karunya Institute of Technology and Sciences, Coimbatore visited the Regional Station of ICAR, CICR, RS, Coimbatore on November 21-22, 2022 as a part of their Rural Agriculture work experience. The students interacted with Dr R. Raja, Principal Scientist (Agronomy), Dr. K. Shankar Ganesh, Senior Scientist (Agricultural Entomology), Dr. A. Manivannan, Senior Scientist (Genetics and Plant Breeding) and got exposure to the institute activities. They got acquainted with the inception, research activities and significant achievements in various areas of the station. During their internship programme they visited various labs and fields of the regional station.

One hundred and eighty one students belonging to first BBA (IB), BBA (CA), BBA (Logistics) from Nehru Arts and Science College, Kuniyamuthur, Coimbatore visited ICAR, CICR, Regional Station in three batches on November 15, 2022. The students interacted with Dr. K Rameash, Principal Scientist (Agricultural Entomology), Dr. A. Sampath Kumar, Senior Scientist (Plant Pathology) and got exposure to the institute activities.

Scientists' Corner:

- Dr YG Prasad, Director, ICAR-CICR, Nagpur participated in the third interactive meeting to review progress of initiatives for cotton value chain chaired by Hon'ble Union Minister of Textiles, Commerce & Industry, Consumer Affairs and Food & Public Distribution, Shri Piyush Goyal with the Textile Advisory Group (TAG), in Vanijya Bhawan, New Delhi on 07th November 2022. Sh. Suresh Kotak, Chairman, Textile Advisory Group, Senior Officials from the Union Ministries of Textiles, Agriculture & Farmer's Welfare, Commerce, Officials from Research and Development Sector and other stakeholders were present during the meeting.
- Dr. Rishi Kumar, Principal Scientist (Entomology), ICAR-CICR, Regional Station, Sirsa along with SDAO, Department of Agriculture, Danoda (Haryana) attended and delivered a lecture on IPM in Cotton at Kisan Mela organised by NATCO (Natco Pharma Private Limited) on November 10, 2022 at village Danoda, Jind, Haryana. 200 farmers actively participated in that programme.
- Dr YG Prasad, Director, ICAR-CICR, Nagpur along with scientists and technical staff of all divisions and regional stations attended the presentation on "Revitalizing ICAR: Aspirations and Action Plan" through virtual mode on 11th November, 2022 delivered by the Secretary, DARE & DG, ICAR.
- Dr SK Verma, Principal Scientist (Plant Breeding) & Head (I/C), Dr Rishi Kumar, Principal Scientist (Entomology), Dr. SK Sain, Principal Scientist (Plant pathology), Dr. Amarpreet Singh, Scientist (SS), Agronomy and Dr Debashis Paul, Scientist (Seed Technology) from ICAR-CICR, Regional Station, Sirsa attended a presentation by Director General, ICAR on "Revitalizing ICAR: Aspirations and Action plans" on November 11, 2022 and presentations by Deputy Director General (Crop Sciences), Deputy Director General (Education), ICAR, New Delhi on 'ICAR Activity & Expectations' through virtual mode on November 14 and 17, 2022, respectively through virtual mode.
- Dr. S. K. Sain, Principal Scientist (Plant Pathology), ICAR-CICR, Regional Station, Sirsa participated and presented an Invited lead lecture on "Ecosystem Services and Biological Control: A Synergism in Natural Farming" in National conference on 'Natural Farming for the sustainable agriculture and national prosperity' held at SDAU, Sardar krushinagar held during 11-13 November, 2022
- Dr YG Prasad, Director, ICAR-CICR, Nagpur along with Dr MV Venugopalan, Principal Scientist, Agronomy participated in the meeting of committee on cotton production and consumption (COCPC) and cotton stakeholders meeting on 15th November 2022 organized by cotton section, Office of the textile commissioner, Mumbai.
- Dr YG Prasad, Director, ICAR-CICR, Nagpur along with scientists and technical staff of all divisions and regional stations attended the presentation on "Revitalizing ICAR: Aspirations and Action Plan" through virtual mode on 17th November, 2022 delivered by DDG, (Agricultural Engineering) ICAR.
- Dr. Rishi Kumar, Principal Scientist (Entomology), ICAR-CICR, Regional Station, Sirsa visited to IRM villages for green boll damage and open boll damage survey on November 18, 2022
- Dr YG Prasad, Director, ICAR-CICR, Nagpur attended the meeting on project on cotton under the chairmanship of Secretary (A&FW) on 16th November 2022 at Krishi Bhawan, New Delhi, organized by Assistant Commissioner (Crops), Ministry of Agriculture and Farmers Welfare, DAFW, Division of Crops and PJMF
- Dr. Rishi Kumar, Principal Scientist (Entomology) and Principal Investigator (Entomology; AICRP on Cotton), ICAR-CICR, Regional Station, Sirsa organised monitoring of AICRP on cotton trial for South Zone as chairman of the team along with the members, Dr. Paramjeet Singh, PAU, Bathinda, Dr. Amarpreet Singh, ICAR-CICR, Regional Station, Sirsa, Dr. Gawande and Dr. Vivek from ICAR-CICR Nagpur during November 20-29, 2022. The team evaluated both ICAR-AICRP on cotton variety trials and ICAR Bt trials conducted by respective ICAR-AICRP on Cotton centres and Private Research and Development Centres in South Zone.
- Dr. Rishi Kumar, Principal Scientist (Entomology), ICAR-CICR, Regional Station, Sirsa delivered lectures on 'Insecticide Induced Resurgence in insects with special reference to cotton' and 'Hormoligosis: Insecticide Induced Resurgence' in training on "Current scenario of pesticide technology and its impact on future agriculture" during November 3-23, 2022 , at CCS- HAU, Hisar.
- Dr. S. K. Sain, Principal Scientist (Plant Pathology), ICAR-CICR, Regional Station, Sirsa delivered an Invited lectures on 'Pesticide Toxicity in Relation to Natural Enemies' & 'Alternative Approaches to Minimize the Harmful Effect of Pesticides for Sustainable Agriculture' in CAF training on 'Current Scenario of pesticides toxicology and its impact on future agriculture" held during 3-23 November, 2022 at CCS-HAU, Hisar.
- Dr YG Prasad, Director, ICAR-CICR, Nagpur attended 2nd Global Cotton Conference 2022 on game-changing technologies and traits for achieving high yields and fine quality of cotton as a panelist in Session I: revamping of cotton breeding programs for efficient use of genetic resources under changing climate on 23rd November 2022.
- Dr YG Prasad, Director, ICAR-CICR, Nagpur and Member Secretary of the Sub-Group I of the Project on cotton convened the meeting of all the members of the Sub-Group I under the chairmanship of Dr RK Singh, ADG (CC)

- Dr YG Prasad, Director, ICAR-CICR, Nagpur and Member Secretary of the Sub-Group I of the Project on cotton convened the meeting of all the members of the Sub-Group I under the chairmanship of Dr RK Singh, ADG (CC), ICAR, New Delhi through virtual mode. Smt S Rukmani, Joint Secretary (M &T), Sh. T Rajkumar, President, CITI Sh M. Prabhakar Rao, President, NSAI, Sh. Chandrima Chatterjee, Secretary General, CITI Dr. SK Shukla, Director, ICAR-CIRCOT, Dr RP Singh, Addl. Commissioner (Crops), Dr VN Kale, Addl. Commissioner (M&T), Sh AN Meshram, Deputy Commissioner (M&T), Sh Yogesh Raundal, Asst. Commissioner (RFS) were present in the meeting.
- Dr A Manivannan Sr. Scientist (Plant Breeding and Genetics), N Chandrashekhar, Scientist (Biotechnology), Dr K Baghyalakshmi, Scientist (Genetics and Plant Breeding), ICAR- CICR, RS, Coimbatore attended the workshop on “Genome editing in Agriculture: opportunities and enabling policies” being jointly organized by Tamil Nadu Agricultural University, Coimbatore and Biotech Consortium India Limited (BCIL), New Delhi on November 29, 2022

Publications

Research Paper

- Kumar, V, Shekhawat, PS., Sain, S. K., Kanwar, H., Saini, K. K. and Paul, D. (2022). Development of Prediction Models for Stripe Disease of Barley caused by Drechsler graminea in Rajasthan. Scientist. 2022; 1(3): 2901-2913.
- Verma S. K., Paul D., Singh A., Sain S. K. (2022). Stability Analysis of Asiatic Cotton (Gossypium arboreum L.) Genotypes with Respect to Seed Cotton Yield, GOT and Boll Weight under multi-environmental Trials through GGE Biplot Analysis. Environment and Ecology, 40, (4A): 2282—2289.

Review Article

- Deepanjali Sodha, Surender Kumar Verma, Vinod Chhokar, Debashis Paul. (2022) Cotton leaf curl viral disease in american cotton (G. hirsutum): genetic basis of resistance and role of genetic engineering tools in combating CLCuD. Scientist; 1(3): 5122-5137.

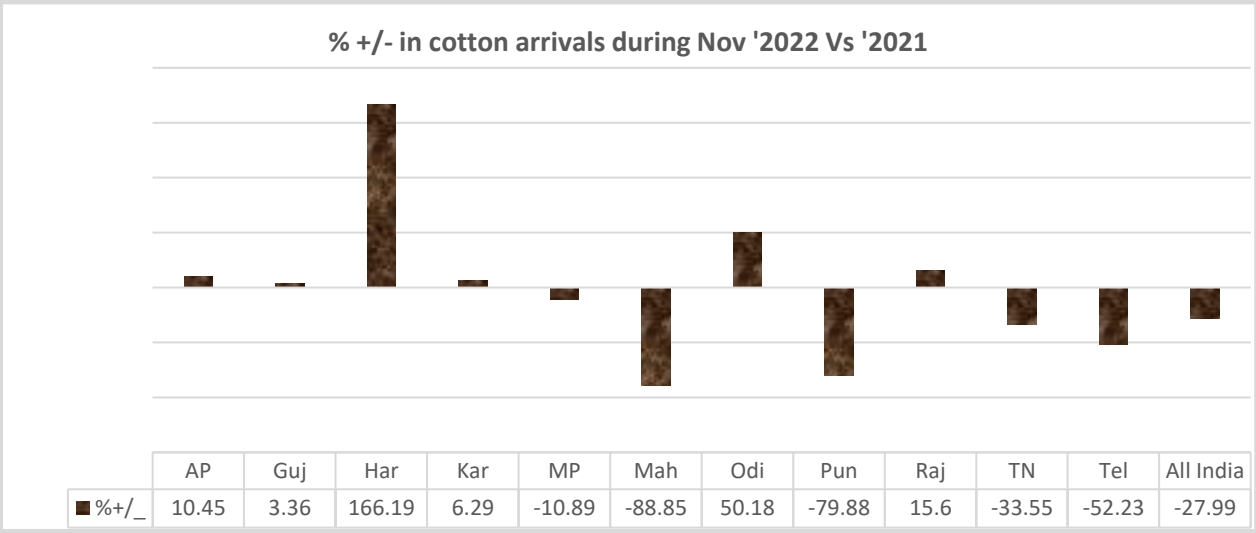
Cotton scenario during November 2022

Cotton trade scenario during November 2022

World cotton market scenario

International cotton prices moved in a wide range during November, influenced by sharp fluctuations in New York. The Cotlook A Index began the period at its low point of 89.20 US cents per lb, and climbed to a high of 105.75 cents mid-month, before edging lower to end slightly below the dollar mark. Unsold yarn stocks accumulated, and spinners were not keen to add to their lint inventories in the face of both a weak demand environment and the volatile behaviour of raw cotton replacements costs. Cotlook's November assessment of global supply and demand included relatively modest changes, compared to the earlier months of this season. World production was raised by 48,000 tonnes, to 24,852,000 tonnes, representing a fall of 190,000 from 2021/22. Increases were noted for Turkey (where firm prices during the planting season contributed to a greater sown area, and good weather facilitated crop development), and the US (informed by a higher estimate of output from USDA). Australia underwent a reduction, as the very heavy rains and flooding over much of the growing belt delayed sowing of the cotton crop beyond the optimum window.

Domestic cotton market scenario



	AP	Guj	Har	Kar	MP	Mah	Odi	Pun	Raj	TN	Tel	All India
%+/_	10.45	3.36	166.19	6.29	-10.89	-88.85	50.18	-79.88	15.6	-33.55	-52.23	-27.99

Arrivals from outer State of Gujarat are low at present leading to low arrivals in the market. In Maharashtra, arrivals are picking up slowly which is only one third as compared to last year at present as local farmers are still reluctant to sell as they expect higher price in forthcoming days. In Vidarbha, it has started picking up slowly. Local mill buyers are not that active resulting in lower consumption. In general, the overall arrivals during November 2022 was 28% lesser than during the previous year.

नवराष्ट्र

सुधारित वाण, तंत्रज्ञान वापरून उन्नती साधा!

डॉ. चिन्ना नाईक यांचे आवाहन

गडचिरोली ब्युरो. शेतकऱ्यांनी रब्बी हंगामात सुधारित बियाण्यांचा वापर करून उन्नती साधावी व आपला आर्थिक स्तर उंचवावे, असे आवाहन केंद्रीय कापूस संशोधन केंद्र नागपूर येथील डॉ. चिन्ना नाईक यांनी केले.

स्वातंत्र्याच्या अमृत महोत्सवानिमित्त आदिवासी उपयोजनेअंतर्गत केंद्रीय कापूस संशोधन केंद्र, नागपूर आणि कृषी विज्ञान केंद्र सोनापूर-गडचिरोली यांच्या संयुक्त विद्यमाने शेतकरी प्रशिक्षण कार्यक्रमाचे आयोजन आज कृषी विज्ञान केंद्र सोनापूर-गडचिरोली येथे करण्यात आले होते. यावेळी ते बोलत होते. कार्यक्रमास कृषी विज्ञान केंद्राचे वरिष्ठ शास्त्रज्ञ तथा प्रमुख संदीप कऱ्हाळे, केंद्रीय कापूस संशोधन केंद्र नागपूर येथील वरिष्ठ शास्त्रज्ञ डॉ. दीपक नगराळे, कायतूर शेतकरी उत्पादक कंपनीचे अध्यक्ष बारिकराव मडावी, उपाध्यक्ष शिवराम कुमरे, कृषी विज्ञान केंद्राचे डी. व्ही. ताथोड, एन. पी. बुद्धेवार, पी. एन. चरडे उपस्थित होते. याप्रसंगी डॉ. संदीप कऱ्हाळे यांनी रब्बी पिकांची घ्यावयाची काळजी याविषयी मार्गदर्शन केले. तसेच आधुनिक कृषी औजारांचा वापर करुन कमी खर्चामध्ये अधिक उत्पादन मिळविता येते, असे प्रतिपादन केले. डॉ. दीपक नगराळे यांनी रब्बी पिकावरील विविध किडी व रोगाचे व्यवस्थापन विषयक मार्गदर्शन केले. प्रशिक्षण आभार डी. व्ही. ताथोड यांनी मानले.

Gadchiroli Edition
05 November 2022 Page No. 1
epaper.navarashtra.com

देशोन्नती

रब्बी हंगामात सुधारित वाण व तंत्रज्ञान वापरून प्रगती साधावी

केंद्रीय कापूस संशोधन केंद्राचे वरिष्ठ शास्त्रज्ञ डॉ. चिन्नाबाबु नाईक यांचे प्रतिपादन

देशोन्नती वृत्तसंकलन...

गडचिरोली - शेतकऱ्यांनी रब्बी हंगामात सुधारित वाण व तंत्रज्ञान वापरून प्रगती साधावी असे प्रतिपादन नागपूर येथील केंद्रीय कापूस संशोधन केंद्राचे वरीष्ठ शास्त्रज्ञ डॉ. चिन्नाबाबु नाईक यांनी केले.

स्वातंत्र्याच्या अमृत महोत्सवानिमित्त आदिवासी उपयोजने अंतर्गत केंद्रीय कापूस संशोधन केंद्र नागपूर आणि कृषि विज्ञान केंद्र, सोनापूर-गडचिरोली यांच्या संयुक्त विद्यमानाने शेतकरी प्रशिक्षण कार्यक्रमाचे आयोजन आज सोनापूर येथील कृषि विज्ञान केंद्रात करण्यात आले होते. यावेळी मार्गदर्शन करतांना ते बोलत होते.

प्रमुख अतिथी म्हणुन कृषी विज्ञान केंद्राचे कार्यक्रम समन्वयक संदिप कऱ्हाळे, वरिष्ठ शास्त्रज्ञ डॉ. दिपक नगराळे, कोयतुर शेतकरी उत्पादक कंपनीचे अध्यक्ष बारीकराव मडावी, उपाध्यक्ष शिवराम कुमरे, कृषि विज्ञान केंद्राचे ज्ञानेश्वर ताथोड, एन.पी. देवा, पी. एन. चिरडे आदी मान्यवर उपस्थित होते.

सदर शेतकरी प्रशिक्षण कार्यक्रमात आदिवासी उपयोजनेअंतर्गत आदिवासी शेतकऱ्यांना कृषि निविष्ठा स्वरूपात देण्यात आल्या.

मार्गदर्शन करतांना डॉ. चिन्नाबाबु नाईक यांनी सुधारित बियाण्यांचा वापर करून नी पिकाद्वारे अपव्यय वाढ करावी आणि आर्थिक स्तर उंचावा असे प्रतिपादन करून आदिवासी उपयोजनेविषयी सविस्तर माहीती दिली.

संदिप कऱ्हाळे यांनी रब्बी पिकांची घ्यावयाची काळजी विषयक सखोल मार्गदर्शन केले. त्याचप्रमाणे आधुनिक कृषि औजारांचा वापर करून कमी खर्चामध्ये अधिक उत्पादन मिळविता येत असे प्रतिपादन केले. यांत्रीकीकरणाव्दारे मजुरी खर्चामध्ये बचत करून उत्पादन वाढविता येणे शक्य आहे असेही ते म्हणाले.

वरीष्ठ शास्त्रज्ञ डॉ. दिपक नगराळे यांनी रब्बी पिकावरील विविध किडी व रोगाचे व्यवस्थापन विषयक विशेष मार्गदर्शन केले. रब्बी हंगामामध्ये हरभरा, मोहरी, जवस पिकांवर येणारे रोगाविषयी मार्गदर्शन केले.

कोयतुर शेतकरी उत्पादक कंपनीचे अध्यक्ष बारीकराव मडावी यांनी रब्बी पिकांविषयी आपले मनोगत व्यक्त केले. त्याचप्रमाणे शेतकरी उत्पादक कंपनी मार्फत राबविण्यात येणाऱ्या उपक्रमाबद्दल माहीती दिली आणि या आदिवासी उत्पादक कंपनी मार्फत बीज उत्पादन उपक्रमात सुध्दा सहभाग घेऊ असे सांगितले.

कृषी विशेषज्ञ पी. एन. चिरडे यांनी हरभरा पिक लागवड तंत्रज्ञान विषयी विशेष मार्गदर्शन केले. डी.व्ही. ताथोड यांनी कृषि यांत्रिकीकरण विषयक विशेष मार्गदर्शन केले तसेच शेतकरी प्रशिक्षण कार्यक्रमाचे संचालन व उपस्थितांचे आभार मानले. सदर शेतकरी प्रशिक्षण कार्यक्रमास शेतकरी बंधु-भगिनी मोठ्या संख्येने उपस्थित होते.

लोकमत

वरिष्ठ शास्त्रज्ञ चिन्ना नाईक : कृषी विज्ञान केंद्रात प्रशिक्षण

शेतकऱ्यांनो, रब्बी हंगामात सुधारित वाण व तंत्रज्ञानाचा वापर करा!

लोकमत न्यूज नेटवर्क

गडचिरोली : रब्बी हंगामातही शेतकऱ्यांनी सुधारित वाण तसेच तंत्रज्ञानाचा वापर करावा, तेव्हा सुधारित व तंत्रज्ञानयुक्त शेती होऊन अधिकाधिक उत्पन्न शेतकऱ्यांना घेता येईल व शेतकरी आपला आर्थिक स्तर उंचावतील, असे प्रतिपादन नागपूरच्या केंद्रीय कापूस संशोधन केंद्राचे वरिष्ठ शास्त्रज्ञ व नोडल अधिकारी डॉ. चिन्नाबाबू नाईक यांनी केले.

रब्बी पिकांवर कोणकोणते रोग येतात?

- शेतकरी प्रशिक्षणात डॉ. दीपक नगराळे यांनी रब्बी पिकांवरील विविध किडी व रोगाचे व्यवस्थापन करण्याबाबत मार्गदर्शन केले. रब्बी हंगामात हरभरा, मोहरी, जवस या पिकांवर येणाऱ्या रोगांविषयी त्यांनी माहिती दिली. बारीकराव मडावी यांनीही मनोगत व्यक्त केले. पी. एन. विरडे यांनी हरभरा पीक लागवड तंत्रज्ञान, एन. पी. बुद्धेवार यांनी रब्बी पिकाची बीजप्रक्रिया करण्याचे तंत्रज्ञान, तर डी. व्ही. ताथोड यांनी कृषी यांत्रिकीकरण याविषयी मार्गदर्शन केले.

प्रशिक्षण कार्यक्रमात वितरीत केलेल्या कृषी निविष्ठांसह शेतकरी, सोबत शास्त्रज्ञ चिन्ना नाईक, संदीप कऱ्हाळे व कर्मचारी.

स्वातंत्र्याच्या अमृतमहोत्सवानिमित्त आदिवासी उपयोजनेंतर्गत केंद्रीय कापूस संशोधन केंद्र नागपूर आणि कृषी विज्ञान केंद्र, सोनापूर-गडचिरोली यांच्या संयुक्त विद्यमाने ४ नोव्हेंबर रोजी शेतकरी प्रशिक्षण पार पडले. यावेळी ते बोलत होते. कार्यक्रमाला कृषी विज्ञान केंद्राचे समन्वयक संदीप कऱ्हाळे, वरिष्ठ शास्त्रज्ञ डॉ. दीपक नगराळे, कोयतूर शेतकरी उत्पादक कंपनीचे अध्यक्ष बारीकराव मडावी, उपाध्यक्ष शिवराम कुमरे, कृषी विज्ञान केंद्राचे विषयतज्ज्ञ डी. व्ही. ताथोड, एन. पी. बुध्देवार, पी. एन. चिरडे, तसेच शेतकरी उपस्थित होते. शेतकरी प्रशिक्षणात आदिवासी उपयोजनेंतर्गत आदिवासी शेतकऱ्यांना कृषी निविष्ठा स्वरूपात बियाणे देण्यात आली. यावेळी संदीप कऱ्हाळे यांनी रब्बी पिकांची घ्यावयाची काळजी तसेच आधुनिक कृषी अवजारांचा वापर करून कमी खर्चात अधिक उत्पादन मिळविता येते, असे प्रतिपादन केले. याप्रसंगी शेतकरी मोठ्या संख्येने उपस्थित होते.

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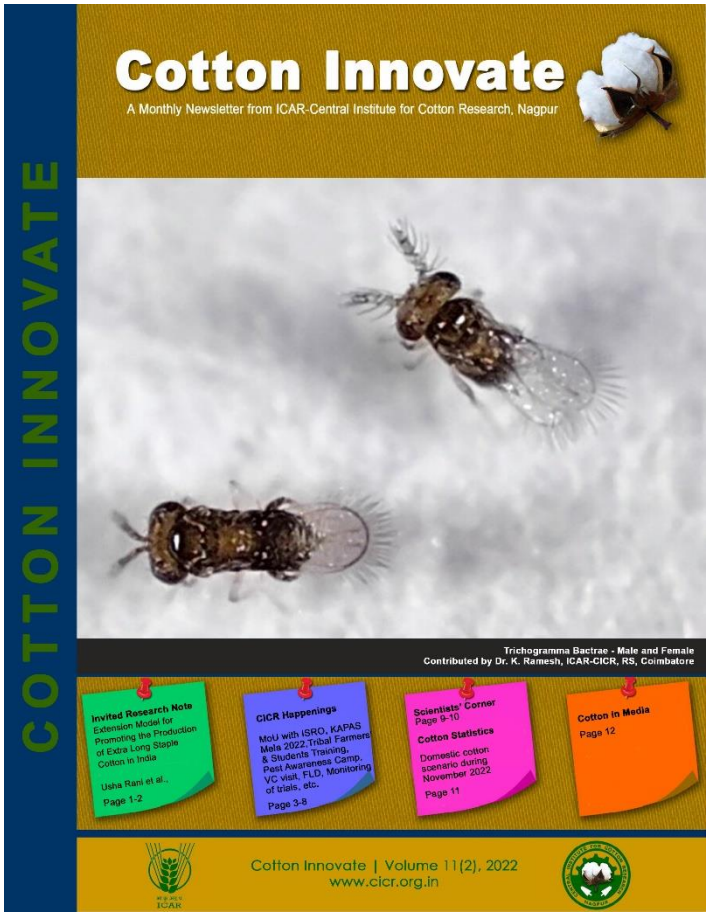

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