



July-September 2025

# ICAR-CICR



# Newsletter

ICAR-Central Institute for Cotton Research, Nagpur

An ISO 9001:2015 Certified Organization

## Director's Message



The 2025-26 cotton season started on a promising note with south-west monsoon setting in early over Kerala on 24<sup>th</sup> May and progressed rapidly over the entire country by 29<sup>th</sup> June. Overall, the season received 937.20 mm rainfall, 8% more than the long period average. But the hopeful monsoon could not restore farmers' confidence in cotton crop that

has been fading in the recent years due to unremunerative price for seed cotton in the light of increasing cotton imports, unmanageable pests, especially in the North Zone, and untimely rainfall damaging the crop at critical stages of growth i.e. boll development and boll bursting.

Against this worrying situation, Shri. Shivraj Singh Chauhan, Hon'ble Union Minister of Agriculture and Farmers Welfare convened a stakeholder's consultation meeting on 11<sup>th</sup> July, 2025 at Coimbatore to develop a roadmap for reviving cotton sector in the country. The Institute felicitated Dr. C.D. Mayee for receiving the ICAC Researcher of the Year Award, celebrated the country's 79<sup>th</sup> Independence Day and Pola, a festival of expressing gratitude towards the bulls that help in farming. A workshop was organized in commemoration of Hindi Day. The students of IARI Nagpur Hub arranged a Teachers' Day celebration and organized a warm farewell for the outgoing first batch of M.Sc. students.

The Institute entered into a research collaboration with IFFCO to evaluate the new generation fertilizers for cotton. The first task force meeting to finalize DUS test guidelines for cotton was convened. The live telecast of Hon'ble Prime Minister releasing the 20<sup>th</sup> instalment of PM-KISAN Samman Nidhi was webcasted to farmers.

Various capacity building programmes were organized for students, officials of line departments and farmers through HRD Cell, Special Project on Cotton, RASI-ICAR-CICR-CSR project, IRM-PBW project, DAPSC and DAPST schemes.

The Institute Scientists participated in Webinars and National Conferences, delivered lectures in different forums, published

14 research papers, 5 book chapters, 1 book and 12 popular articles. Three technologies developed by our team of Scientists got certified by the Council and one technology on bacterial-based volatiles composition as jassid attractant got patented.

I congratulate and wish all the outgoing first batch M.Sc. students of IARI Nagpur Hub for their better future prospects.

We are in the midst of the season and the crop condition across the country is excellent. However, untimely rain in few pockets in all the zones is a matter of concern and likely to affect the crop yields. All the Scientists are expected to gear up with the situation act diligently and promptly to provide advisories to minimize the losses and support the farmers at all possible fronts.

V.N. Waghmare  
Director

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## Institute Events

### 1. Stakeholder consultation meeting on enhancing cotton productivity

Shri. Shivraj Singh Chauhan, Hon'ble Union Minister of Agriculture and Farmers Welfare convened a stakeholders consultation meeting on 11<sup>th</sup> July 2025 at ICAR - Sugarcane Breeding Institute, Coimbatore to develop a roadmap for enhancing cotton productivity in India. The meeting was organized by ICAR-CICR as an outcome of the recently organized 'Viksit Krishi Sankalp Abhiyan' across the country. The dignitaries first visited the research fields of ICAR-CICR Regional Station, Coimbatore, planted saplings and witnessed the demonstration of cotton sowing with pneumatic planter and drone-based multispectral imaging.

Dr. V.N. Waghmare, Director, ICAR-CICR presented the history of cotton in India and zone-specific challenges in increasing cotton productivity. He highlighted the latest technologies in cotton production and protection, along with a draft roadmap aimed at enhancing cotton productivity in the country. Dr. D.K. Yadava, DDG (CS), ICAR mentioned that over 3,000 researchable issues hindering crop productivity have been identified from the recently concluded Viksit Krishi Sankalp Abhiyan. Dr. M.L. Jat, DG, ICAR dwelled upon the factors limiting cotton productivity in India and emphasised the need for developing varieties suitable for HDPS and mechanization. He stressed the importance of knowledge augmentation through capacity building and strengthening the Extension system. He urged Scientists to develop cotton simulation models to forecast yields over the next five and ten years.



During the interaction that followed, Shri. Shyam Singh Rana, Hon'ble Agriculture Minister of Haryana, Shri. Manikrao Kokate, Hon'ble Agriculture Minister of Maharashtra, Agricultural Production Commissioner, Vice-Chancellors of PDKV, Akola; VNMKV, Parbhani; TNAU, Coimbatore and ANGRAU, Guntur; Joint Secretaries of Government of India, DDGs & ADGs of ICAR & Directors of ICAR Institutes, CMD of Cotton Corporation of India, progressive farmers from Karnataka, Maharashtra, Tamil Nadu and Andhra Pradesh, Scientists, representatives of farmers organizations, machinery manufacturers, seed companies, ginning and spinning mills, textile industry and exporters offered their views on enhancing cotton productivity.

Appreciating the farmers from Maharashtra and Andhra Pradesh for achieving 18-24 q/ac seed cotton yield by adopting HDPS, Shri. Shivraj Singh Chauhan emphasized on developing location-specific, climate-resilient varieties superior in fibre quality and suitable for mechanization. Speaking on the occasion, Shri. Giriraj Singh, Hon'ble Union Minister of Textiles stressed upon the need to scale up the successful HDPS model on 'Saturation Mode', covering all cotton-growing states in the country.

### 2. Felicitation of Dr. C.D. Mayee

ICAR-CICR felicitated Dr. C.D. Mayee on 12<sup>th</sup> August 2025 for receiving the prestigious ICAC Researcher of the Year Award 2025. The ceremony was held on the sidelines of a farmers workshop on best management practices for enhancing cotton productivity, organised under DAPSC scheme. Dr. V.N. Waghmare, Director, ICAR-CICR presented a memento to Dr. C.D. Mayee in recognition of his outstanding contribution to global cotton research. Addressing the gathering, Dr. C.D. Mayee urged the farmers to utilise the benefits of DAPSC programme to reduce input costs and increase profit margins. He also encouraged the establishment of Custom Hiring Centres to facilitate access to modern farm machinery and enhance productivity.



### 3. Independence Day

ICAR-CICR proudly celebrated the 79<sup>th</sup> Independence Day on 15<sup>th</sup> August 2025 in its headquarter and regional stations. At Nagpur, the programme began with Dr. V.N. Waghmare, Director, ICAR-CICR hoisting the National Flag followed by National Anthem. Heads of Divisions, Scientists, technical, administrative and contractual staff enthusiastically participated in the celebration.



Nagpur



Coimbatore



Sirsa

On the occasion, Dr. V.N. Waghmare addressed the gathering. He noted that in spite of largest acreage in the world, India's cotton productivity is the lowest among the leading cotton producing countries. In the light of shrinking landholdings, very expensive technologies are unlikely to be profitable to farmers. Keeping this in mind, the Institute is focusing on developing low-cost technologies. He also emphasized the importance of dedication and innovation in overcoming the new challenges in the field of cotton research. In Maharashtra and Vidarbha in particular where cotton is predominantly cultivated under rainfed conditions, increasing vagaries of monsoon largely affects the cotton productivity. Under such scenario, even one irrigation during flowering and boll maturation stages can increase the yield significantly. Therefore, along with strengthening irrigation infrastructure, water conservation measures should be taken up to raise the

groundwater level for which, collective efforts are required. The program concluded with sports and cultural events by staff's children. Staff Recreation Club and Administration together coordinated the programme.



#### 4. Parthenium Awareness Week

ICAR-CICR observed the 20<sup>th</sup> Parthenium Awareness Week during 16–22 August 2025. On 20<sup>th</sup> August 2025, a special parthenium eradication drive was carried out in and around the Institute's campus with the active participation of Scientists, technical, administrative, supporting, and contractual staff and students.

Addressing the gathering, Dr. V.N. Waghmare, Director, ICAR-CICR emphasized the importance of removing parthenium before flowering, linking it to the broader objectives of Swachh Bharat Abhiyan and One Health. In his remarks, Dr. A.S. Tayade, Head, Division of Crop Production outlined the effective management practices such as creating awareness through trainings, meetings and demonstrations, broadcasting competitive plant species like *Cassia tora* and *Tagetes erecta*; applying suitable herbicides in crop and non-crop areas under expert guidance and releasing biocontrol agents like *Zygogramma bicolorata* during July-August. Following the formal session, all staff undertook parthenium uprooting activities in different experimental fields and the KVK farm. The programme was coordinated by Dr. Ramkrushna G.I., Senior Scientist (Agronomy).



#### 5. Pola Celebration

Pola is a farm festival celebrated on the new moon day of Shraavan month wherein farmers express their gratitude towards the bulls that help them in farming throughout the year and worship them on the first day by applying turmeric on them and inviting them for a meal the next day. In villages,



farmers decorate the bulls and take them to the temple/common place with playing music, singing and dancing. After

washing their feet and face, they serve them food in a new basket made of leaves. At ICAR-CICR, the farm section celebrated Pola on 22<sup>nd</sup> August 2025. Bulls and oxen of the Institute were cleaned, beautifully decorated, worshipped and served special treats like Puran Poli. The cattle were then paraded through the campus with music and drums, showcasing deep gratitude for their vital role in agriculture. Shri. R.V. Salame, Farm In-charge coordinated the programme.

#### 6. Teachers' Day Celebration

The IARI Academic Hub of ICAR-CICR celebrated Teachers' Day on 5<sup>th</sup> September 2025 to commemorate the birth anniversary of Dr. Sarvapalli Radhakrishnan, former President of India. Students organized various funny games for teachers wherein all have participated enthusiastically and joyfully. The faculty members shared precious memories of their teachers and guides who had been instrumental in shaping their lives. Students expressed their gratitude towards all the faculty members for their guidance, encouragement and moral support. While addressing the gathering, Dr. V.N. Waghmare, Director, ICAR-CICR requested the students to focus on research and bring out quality output. He urged them to take advantage of the expertise in Scientists and the research facilities at the Institute for their career. M.Sc. students Mr. Barnik Debnath and Ms. Purvi Chakraborty anchored the programme.



#### 7. Hindi Day

ICAR-CICR celebrated "Hindi Day" on 16<sup>th</sup> September 2025. The message received from Shri. Shivraj Singh Chauhan, Hon'ble Union Minister of Agriculture and Farmers Welfare was read out to the participants. While addressing the gathering, Dr. V.N. Waghmare, Director, ICAR-CICR highlighted the importance of Hindi not only as our official language but also a symbol of our cultural heritage and a language of the masses. Hindi was granted the status of official language in the Constitution, and a Parliamentary Committee on Official Language has also been constituted for its propagation and effective implementation. He emphasized to promote the official language along with our mother tongue. He mentioned the significant contributions of poets and Hindi literarians like Maithili Sharan Gupt and Tulsidas in promoting and enriching the Hindi language. He encouraged all staff to carry out their official work in Hindi.

As part of the celebrations, a Hindi workshop was organized, in which the key speaker, Dr. Mayur Kumar Meshram, Senior



Technical Assistant presented how nature, life, and farmers are interconnected in a logical and meaningful manner. He stated that nature, life, and farmers together make the earth a heaven. He emphasized that farmer is the *annadata*, who feeds not only humans but also animals and birds; and hence deserves respect. He also shared that government is promoting organic farming wherein instead of excessive use of chemicals, organic inputs are used, encouraging advanced farming practices, and providing improved seeds and irrigation facilities in the interest of farmers. He further gave detailed information about various farmer-oriented government schemes and projects. The workshop was coordinated by Smt. Rachana Deshmukh, Technical Officer.

### 8. Farewell to the outgoing M.Sc. students

The students and faculty members of IARI Academic Hub, Nagpur organized a warm farewell programme for the

outgoing 2023–24 batch of M.Sc. students on 19<sup>th</sup> September 2025. Dr. V.N. Waghmare, Director, ICAR-CICR and all the faculty members congratulated the students for their dedication, outstanding performance, and contributions to the academic environment of the Hub. Research Guides shared their experiences with respective students. Students in turn shared their experiences, expressed gratitude to mentors, and reaffirmed their commitment of contributing to Indian agriculture and scientific research. The programme was followed by cultural events and games.



## Director's Visit and Participation in External Events

Date	Place	Description
08.07.2025 - 12.07.2025	Coimbatore	Visited ICAR-CICR Regional Station, Coimbatore to oversee and make arrangements for the stakeholders consultation meeting convened by the Hon'ble Union Minister of Agriculture and Farmers Welfare at ICAR-SBI on 11 <sup>th</sup> July 2025. Made a brief presentation on the history of cotton in India, emerging scenario, challenges and the way forward for enhancing cotton productivity in the next 5 years through Mission on Cotton Productivity.
16.07.2025	New Delhi	Participated in the 97 <sup>th</sup> ICAR Foundation Day programme held at NASC Complex, New Delhi; facilitated the signing of MoA between ICAR & GIZ; and attended the SMD meeting of Crop Science Division.
17.07.2025	New Delhi	Attended the meeting to discuss the EFC proposal for the Mission on Cotton Productivity at NITIAayog, New Delhi.
14.08.2025	New Delhi	Attended the meeting regarding Mission on Cotton Productivity in the Department of Expenditure, Ministry of Finance.
23.08.2025	Nagpur	Participated in the 49 <sup>th</sup> Foundation Day of ICAR-NBSS&LUP, Nagpur.
12.09.2025	Nagpur	Attended the meeting of Agrovision Organizing Committee.

## Dignitaries Visit

### 1. Dr. P.K. Chakrabarty, Chairperson, RAC

Dr. P.K. Chakrabarty, Chairperson, RAC visited ICAR-CICR Regional Station, Sirsa on 16<sup>th</sup> July 2025. He discussed the ongoing activities of the Station in different disciplines with all Scientists and visited the experimental fields.



### 2. Dr. Rajbir Singh, DDG (Ag. Extension), ICAR

Dr. Rajbir Singh, DDG (Ag. Extension), ICAR, New Delhi visited ICAR-CICR Regional Station, Sirsa on 7<sup>th</sup> September 2025. He interacted with Scientists about the ongoing activities at the Station and planted a sapling in the campus.



## Students Visit

### 1. Priyadarshani College of Engineering, Nagpur

A group of 45 students and three faculty members of Biotechnology Department from Priyadarshani College of Engineering, Nagpur visited ICAR-CICR, Nagpur on 4<sup>th</sup>

August 2025. During the visit, they interacted with Scientists and got basic exposure to the ongoing research activities in Bt Referral lab, Biotech Lab, Tissue Culture Lab, and Insectary. The visit was organized and coordinated by HRD Cell.



**2. Bajaj College of Agriculture, Wardha**

A group of 107 students and 5 faculty members of Bajaj College of Agriculture, Wardha visited ICAR-CICR, Nagpur on 29<sup>th</sup> August 2025. They interacted with Scientists and got basic exposure to the ongoing research activities in Bt Referral lab, Biotech Lab, Tissue Culture Lab, IFS Unit and Insectary. The visit was organized and coordinated by HRD Cell.



**3. Tata Community Initiatives Trust, TSEC, Nagpur**

A group of 47 learners and 2 UX Specialists of Tata STRIVE | Tata Community Initiatives Trust, TSEC, Nagpur visited ICAR-CICR, Nagpur on 12<sup>th</sup> September 2025. They interacted with Scientists and got basic exposure to the ongoing research activities in Bt Referral lab, Biotech Lab, Tissue Culture Lab, and Insectary. The visit was organized and coordinated by HRD Cell.



**Collaboration and Linkages**

**IFFCO**

ICAR-CICR and Indian Farmers Fertilizer Cooperative Limited (IFFCO), Pune entered into a three-year collaborative research trial on 23<sup>rd</sup> July 2025 to examine the efficacy of nano-fertilizers in reducing the usage of

conventional fertilizers while maintaining or improving the crop productivity. An MoU to this effect was formally signed between Dr. V.N. Waghmare, Director, ICAR-CICR and Shri. U.R. Tijare, State Marketing Manager, IFFCO Ltd. in the presence of Dr. K. Velmourougane, Scientist In-charge, PME Cell and Dr. A. Manikandan, Senior Scientist (Soil Science).



**Meeting / Training / Workshop / Event Organized**

**1. Summer school for students**

Two 30-day summer training programmes were organized by ICAR-CICR Regional Station, Sirsa on "Field and laboratory techniques related to cotton crop production" for 3 M.Sc.(Zoology) students of Kurukshetra University, Kurukshetra and 2 M.Sc.(Biotechnology) students of CDLU, Sirsa during 9<sup>th</sup> June – 8<sup>th</sup> July 2025 and 30<sup>th</sup> June – 29<sup>th</sup> July 2025, respectively. Dr. Rishi Kumar, Head I/c presided over the programmes and it was coordinated by Dr. Subhash Chandra. Dr. S.K. Verma, Dr. S.K. Sain and Dr. Amarpreet Singh assisted in successful implementation of the programmes.

**2. Agriculture Officers of Haryana Government**

ICAR-CICR Regional Station, Sirsa organized a field exposure visit-cum-training for 35 Agriculture Officers of the Department of Agriculture and Farmers Welfare, Government of Haryana in collaboration with HAMETI, Jind, Haryana on 2<sup>nd</sup> July 2025. Dr. Rishi Kumar, Head I/c and Dr. Subhash Chandra delivered lectures and Dr. Amarpreet Singh organized the field visit.



**3. First task force committee meeting on DUS test guidelines for cotton**

The first task force committee meeting was organized by ICAR-CICR, Nagpur on 3<sup>rd</sup> July 2025 in hybrid mode in accordance with PPV&FRA directives to review and finalize

the DUS test guidelines for cotton. Dr. B.M. Khadi, Ex. Director, ICAR-CICR, Nagpur chaired the meeting. Committee members Dr. V.N. Waghmare, Director, ICAR-CICR; Dr. Mahantesh B. Saithal, Head, Cotton Breeding, Nuziveedu Seeds; Dr. N. Kannan, Principal Breeder (Cotton), Rasi Seeds; and Shri. Dipal Roy Choudhary, Joint Registrar, PPV&FRA, New Delhi were present. Dr. Anjali Kak, Principal Scientist, ICAR-NBPGR, New Delhi; Heads of Regional Stations, Co-Nodal Officers from other DUS Test Centres viz. ICAR-CICR Regional Station, Coimbatore; UAS, Dharwad; MPKV, Rahuri; CCSHAU, Hisar and PAU RS, Bhatinda participated online. Heads of Divisions and Scientists of the Division of Crop Improvement, ICAR-CICR, Nagpur were also present. Dr. V. Santhy, PI, DUS Project coordinated the meeting.



**4. Officials of Agriculture Department, Government of Haryana**

ICAR-CICR Regional Station, Sirsa organized a training programme for 35 Agri-Officials on “Recent management techniques for sucking pests and pink bollworm management in cotton crop for Haryana state” in collaboration with JDA (Cotton), Government of Haryana on 14<sup>th</sup> August 2025. Dr. Rishi Kumar, Head I/c presided over the programme and it was coordinated by Dr. Subhash Chandra. Dr. S.K. Verma,



Dr. S.K. Sain, Dr. Amarpreet Singh, Shri. Satpal Singh and Shri. Sanjeev Kumar assisted in successful implementation of the programme.

**5. Krishi Sevaks of RAMETI, Nagpur**

About 35 Krishi Sevaks from the Regional Agricultural Extension Management and Training Institute (RAMETI), Nagpur, along with two staff members visited ICAR-CICR, Nagpur on 17<sup>th</sup> September 2025. Dr. Shivaji Thube delivered a lecture on management of sucking pests in cotton, Dr. Dipak Nagrale on boll rot and its management, and Dr. Vivek Shah on management of pink bollworm. The participants also observed pest symptoms and gained insights into the ongoing research activities of Insectary.



**6. Project staff of AI Smart Trap**

A three-day orientation-cum-training programme on “Deployment of AI pheromone trap for real-time monitoring of cotton pink bollworm in north zone” was organized by ICAR-CICR Regional Station, Sirsa for 8 project staff of AI Smart Trap during 22-24 September 2025. Dr. Rishi Kumar, Head I/c presided over the programme and it was coordinated by Dr. Amarpreet Singh. Dr. S.K. Verma, Dr. S.K. Sain, Shri. Satpal Singh and Shri. Sanjeev Kumar assisted in successful implementation of the training.



**Participation in Meeting / Training / Workshop / Event**

Name & designation	Name of event	Organizer / venue	Date	Mode
Dr. S.K. Verma, Principal Scientist Dr. Subhash Chandra, Scientist	First task force committee meeting to review and finalize the DUS test guidelines for cotton	ICAR-CICR, Nagpur	03.07.2025	Online
Dr. Rishi Kumar, Head I/c, Regional Station, Sirsa	Orientation workshop on IRM: PBW dissemination and management strategies	DAC&FW	21.07.2025	Online

Name & designation	Name of event	Organizer / venue	Date	Mode
Dr. Rishi Kumar, Head I/c, Regional Station, Sirsa	SAC Meeting of KVK, Sirsa	KVK, Sirsa	04.08.2025	In person
Dr. Amarpreet Singh, Senior Scientist	Meeting of DLEC of CRM for "Establishment of paddy crop residue supply chain under Crop Residue Management component of SMAM under RKVY Scheme during the year 2025-26"	Office of the Deputy Commissioner, Mini Secretariat, Sirsa, Haryana	01.09.2025	In person
Dr. Rishi Kumar, Head I/c, Regional Station, Sirsa Dr. S.K. Sain, Principal Scientist	Meeting on revision of benchmark setting for hybrids/variety release in cotton	ICAR-CICR, Nagpur	09.09.2025	Online
Shri. Ashutosh Kumar Mishra, Technician	Advanced level training in soil testing, plant analysis and water quality assessment	Division of Soil Science and Agricultural Chemistry, ICAR-IARI, New Delhi	08.09.2025 to 28.09.2025	In person
Dr. K. Baghyalakshmi, Scientist Dr. M. Saravanan, Senior Scientist	Training workshop on analysis of multi-environment trials	ICAR-NAARM, Hyderabad	17.09.2025 to 19.09.2025	online

## Capacity Building Programmes for Farmers

### 1. Awareness camp, pest management-cum-field sanitation programme

A one day "Awareness camp, pest management-cum-field sanitation programme" was organized at ICAR-CICR, Nagpur for tribal farmers of Khapa (Khurd) and Sitekasa villages of Bhandara district, Maharashtra on 4<sup>th</sup> July 2025 under DAPST scheme. Dr. M.S. Kairon, Ex. Director, ICAR-CICR briefed on Institute's success stories; Dr. B.M. Khadi, Ex. Director, ICAR-CICR emphasized the importance of selecting quality seeds for kharif season and overall crop management. Dr. V.N. Waghmare, Director, ICAR-CICR guided farmers on crop rotation, soil texture improvement, balanced use of fertilizers, sustainable management of pests and diseases for increasing production.



Dr. Dipak T. Nagrale, convenor of the training program, explained the objectives of DAPST scheme and the importance of seed treatment and integrated pest & disease management in cotton crop. Dr. Ramkrushna G.I. suggested a strategic approach to improve sowing methods, fertilizer and nutrient management, use of herbicides, pest and disease management in cotton and rice crops. Dr. Ulhas Galkate explained the benefits of animal feed, scientific goat farming practices and the importance of timely vaccinations to improve livestock health and increase milk production.

Farmers were taken to the IFS model and briefed about its functioning. As a part of the programme, critical agricultural inputs viz. tarpaulin, irrigation pipe, torch, PSB formulation and NPK-18:18:18 were distributed to all the 60 participants.

### 2. Workshop for the beneficiary farmers of Special Project on Cotton

Under the Special Project on Cotton, CITI-CDRA, Maharashtra in collaboration with ICAR-CICR organised a workshop on 23<sup>rd</sup> July 2025 at ICAR-CICR, Nagpur, for the beneficiary farmers of Wardha and Nagpur districts. Dr. V.N. Waghmare, Director, ICAR-CICR presided over the programme. Dr. A.L. Waghmare, Director, Directorate of Cotton Development; Shri. Umesh Ghatge, Joint Director of Agriculture; Dr. Nalini Bhojar, DSAO, Wardha; and Shri. Ravindra Manohare, DSAO, Nagpur graced the occasion by their August presence.



Shri. G.H. Wairale, Project Coordinator of CITI-CDRA in his introductory remarks, revealed the success of the project during the past two years and the ELS cotton cultivation taken up in Maharashtra for the first time in Sangli district. Dr. A.S. Tayade, Chief Nodal officer of the project detailed the guidelines of the project and the achievements across the eight states in India. Dr. Nalini Bhojar gave the guidance for value addition in cotton. Shri. Umesh Ghatge emphasized the

importance of basal fertilizers. Dr. A.L. Waghmare explained about the Cotton Mission which is to be implemented in India. Dr. V.N. Waghmare expressed his happiness for the success of the project and complemented CITI-CDRA for the successful implementation of the project in Maharashtra.

A couple of participant farmers shared their experience about the impact of the project. On the occasion, Shri. Dilip Pahane, a progressive farmer who achieved a seed cotton yield of 24 q/ac was felicitated.

During the technical session, Dr. Ramkrishna, G.I., Senior Scientist (Agronomy); Dr. Babasaheb B. Fand, Senior Scientist (Agricultural Entomology), Dr. Shailesh P. Gawande, Senior Scientist (Plant Pathology) and Dr. Manikandan, Senior Scientist (Soil Science) discussed the best management practices in their respective domains. Shri. Jagdish Neralwar, Shri. Yugantar Meshram and Shri. Amit Kawde coordinated the programme in which about 100 farmers participated.

### 3. Training series on IPM

ICAR-CICR Regional Station, Sirsa organized a series of training programmes on “Integrated pest management in cotton with special reference to pink bollworm” under RASI-ICAR-CICR-CSR Project at Sarsod, Hisar on 31<sup>st</sup> July 2025 for 80 farmers; at Deengarh, Sangaria, Hanumangarh on 5<sup>th</sup> August 2025 for 80 farmers; at Raipur, Mansa on 6<sup>th</sup> August 2025 for 80 farmers; and at Arniawali, Sirsa on 13<sup>th</sup> August 2025 for 100 farmers.



### 4. Workshop on best management practices for enhancing cotton productivity

A Farmers' workshop on “Best management practices for enhancing cotton productivity” was organised under DAPSC scheme on 12<sup>th</sup> August 2025. A total of 107 farmers including 19 women participated in the programme. In his welcome address, Dr. V.N. Waghmare, Director, ICAR-CICR highlighted the successful implementation of DAPSC scheme by ICAR-CICR for the upliftment of scheduled caste farming community.

Dr. Jayant Meshram, Nodal Officer, DAPSC scheme, shared inspiring success stories of the initiatives taken by ICAR-CICR, showcasing their positive impact on farmers' livelihood. The technical session covered important aspects of cotton management. Dr. Ramkrishna G.I., Senior Scientist (Agronomy) delivered a talk on nutrition and weed management during cotton growth stages; Dr. Babasaheb B. Fand, Senior Scientist (Agricultural Entomology) and Dr. Shailesh P. Gawande, Senior Scientist (Plant Pathology) guided the farmers about integrated pest and disease management in cotton. A scientists-farmers interaction was led by Dr. Neelkanth Hiremani, Scientist (Plant Pathology) and Shri. Akshay Kamble, Sr. Technician. The programme concluded with the distribution of agricultural inputs viz. insecticides, fungicides, knapsack sprayers, soluble

fertilizers, vegetable seed kit, grain storage bin, manual twin wheel hoe, manual grabber weeder and manual stalk uprooter.



### 5. Training-cum-input distribution programmes

A one-day training-cum-input distribution programme was organised for the tribal farmers of Kasvi village, Armori taluka, Gadchiroli district, Maharashtra on 25<sup>th</sup> August 2025 under DAPST scheme. Dr. Dipak T. Nagrale, Nodal Officer of the scheme elaborated the objectives of the scheme to empower ST farmers through advanced agricultural techniques and sustainable practices and the significance of integrating seed treatment in various disease management strategies to maintain the health of paddy and cotton crops.



Dr. P.B. Deulkar, CTO explained the importance of animal feed, vaccination and its role in improving animal health and milk production. Dr. Shivaji Thube, Senior Scientist (Entomology) guided the farmers on biological control measures for managing cotton and paddy crop pests. Shri. Nilesh Gedam, Taluka Agriculture Officer briefed the agriculture scenario of Gadchiroli district and explained about various ongoing schemes of the state government for the benefit of farmers. Shri. R.M. Ramteke, Technical Assistant explained the cultivation practices for HDPS cotton including sowing time, stages of plant maturation and the application of Mepiquat Chloride for managing the vegetative growth. As a part of the programme, battery operated sprayer, rechargeable torch, chemical spray protection kits, bio-fertilizers, water-soluble fertilizers (18:18:18 NPK) and Neem oil were distributed to all 40 participants.



A similar programme was conducted at ICAR-CICR, Nagpur on 28<sup>th</sup> August 2025 for another batch of tribal farmers from

the same village; at Bamanpeth village, Chamorshi taluka, Gadchiroli district on 1<sup>st</sup> September 2025 wherein 45 tribal farmers participated and benefited; at Sadagadh village, Saoli taluka, Chandrapur district on 16<sup>th</sup> September 2025 where 45 tribal farmers participated and benefited; and at Belkheda village, Achalpur taluka, Amravati district on 22<sup>nd</sup> September 2025 wherein 45 tribal farmers participated and benefited.



### 6. Training-cum-input distribution programme

A training-cum-input distribution programme was organized at Yensa village, Warora tehsil, Chandrapur district, Maharashtra on 9<sup>th</sup> September 2025 under NFSNM, IRM-PBW project. The program aimed to distribute critical inputs and create awareness among cotton growers on sustainable and effective strategies for managing pink bollworm infestation. As Chandrapur district co-ordinators of the project, Dr. Shivaji Thube, Senior Scientist (Entomology) and Dr. Dipak T. Nagrale, Senior Scientist (Plant Pathology) provided technical guidance on insecticide resistance management (IRM) strategies to minimize crop losses by PBW. They sensitized farmers about recommended insecticides, correct dosages and demonstrated practical approaches for effective PBW management. Additionally, farmers were briefed on integrated disease management and the complementary role of IRM in reducing both pest and disease incidence. As a part of the programme, inputs viz. Flonicamid 50 WDG, Emamectin benzoate 5% SG, neem oil formulations, and pheromone traps were distributed to 60 farmers of Borgaon, Pimpalgaon, Bhandara and Majara villages.



## Outreach Activities

1. Scientists of ICAR-CICR Regional Station, Sirsa gave agro-advisories to 102 visiting cotton farmers regarding choice of varieties/hybrids as per their region-specific needs, best cotton production techniques and window-based management of sucking pest and bollworm.

2. Dr. Rishi Kumar, Head I/c, ICAR-CICR Regional Station, Sirsa and Dr. Subash Chandra, Scientist monitored the CS demonstrations in farmers' field under Special Project on Cotton on 22<sup>nd</sup> August 2025 in Abohar, Punjab.
3. Dr. Amarpreet Singh, Senior Scientist translated the weekly advisory of cotton in Punjabi for the North Zone.
4. ICAR-CICR Regional Station, Sirsa initiated a season-long demonstration for 63 ac on application of CREMIT (Controlled Release Emission Mating Interruption Technique) for management of pink bollworm in cotton at Arnian wali village, Sirsa and Chak Hira Singhwala village, Hanumangarh on 11<sup>th</sup> July and 21<sup>st</sup> July 2025, respectively under IRM-PBW project 2025-26. A Total of 50 farmers benefitted.



### 5. Live telecast of 20<sup>th</sup> PM-KISAN instalment release

Krishi Vigyan Kendra, ICAR-CICR, Nagpur in collaboration with ICAR-CICR, Nagpur and the State Agriculture Department, organized the webcasting of Hon'ble Prime Minister releasing the 20<sup>th</sup> instalment of PM-KISAN Samman Nidhi on 2<sup>nd</sup> August 2025 in the esteemed presence of Adv. Ashish Jaiswal, Hon'ble Minister of State for Agriculture, Maharashtra. A total of 250 farmers participated in the event. Speaking on the occasion, Adv. Ashish Jaiswal emphasized crop diversification, bamboo cultivation for export potential, and demand-based crop planning to ensure sustainable and economically viable farming. He also highlighted the growing concern over wild animal menace and stressed the importance of farmer safety and crop protection from wildlife intrusion.



The event was also organized at ICAR-CICR Regional Station, Coimbatore under the guidance of Dr. A.H. Prakash,

Head and coordinated by Dr. K. Sankaranarayanan, Principal Scientist and Dr. S. Usha Rani, Principal Scientist. A total of 50 farmers from Kinathukadavu village, Coimbatore participated in the event. Before the live session, Dr. K. Rameash, Principal Scientist explained in detail about the PM Kisan programme; Dr. S. Manickam, Principal Scientist briefed the farmers about the hybrids and varieties suitable for the concerned village. Dr. R. Raja, Principal Scientist translated the Hon'ble PM's talk in Tamil.

### 5. Participatory seed production

Dr. V. Santhy, Principal Scientist (Seed Science & Technology) provided the breeder seeds of ICAR-CICR PKV-081 Bt variety to four tribal farmers of Saleimendha village, Hingna taluka, Nagpur district for the production of Truthfully Labelled Seed.



## Farmers Corner

### Success story # 1

**Name :** Shri. Bejjanki Rohith

**Address :** Ghotkuri, Tamsi mandal, Adilabad district, Telangana

#### Intervention

Under the Special Project on Cotton, ICAR-CICR in collaboration with KVK, Adilabad, is promoting HDPS in Adilabad district since 2023. Shri. Bejjanki Rohith is one of the beneficiary farmers of the project who is adopting HDPS in his 2 acre since 2023. He sowed 6 packets of seeds per acre through pneumatic planter in a recommended spacing of 90 × 15 cm and followed all the best management practices.

#### Achievement

The seed cotton yield increased by 70% from 9.5 q/ac to 16 q/ac which increased the gross income of the farmer from ₹ 72,000 to ₹1.22 lakh and net income from ₹40,000 to ₹74,000. Moreover, HDPS has helped to increase the water use efficiency by minimizing the wastage. The reduced duration of the crop favoured adaptation to erratic weather conditions.

#### Recognition

To popularize the success of HDPS technology and to appreciate the efforts of the farmer, a field day was conducted at Shri. Bejjanki Rohith's field on 30<sup>th</sup> October 2024 wherein 132 farmers from Ghotkuri and neighbouring villages attended. The participants were very much fascinated with the technology and expressed willingness to adopt it in the upcoming season. The adoption of HDPS technology by Shri. Bejjanki Rohith for the past two years influenced many farmers in Tamsi and neighbouring mandals in converting their traditional cotton cultivation practices to HDPS.



### Success story # 2

**Name :** Shri. Amit Yogiraj Narnavare

**Address :** Mendhepathar, Katol taluka, Nagpur district, Maharashtra

#### Intervention

In 2023, Shri. Amit Yogiraj Narnavare, an MSW graduate received two goats as initial support under the SCSP programme coordinated by ICAR-CICR. He attended training programmes, got access to technical guidance and exposure to scientific livestock rearing methods. Following expert recommendations, he adopted goat farming in a scientific manner by:

- Proper shelter and housing to protect animals from extreme weather,
- Balanced and nutritious feeding plans, tailored to different stages of growth,
- Routine vaccinations and disease prevention to minimize health risks,
- Regular health monitoring and care, ensuring higher survival rates.

These practices — emphasized during SCSP animal health camps and goat distribution programmes — helped him maintain healthier herds and improve productivity.

#### Achievement

Shri. Narnavare's dedication and disciplined management enabled him to expand his herd to around 25 goats over the time. This growth reflects not only his commitment but also the effectiveness of applying science-led husbandry methods championed in ICAR-supported rural livelihood programmes. Through strategic breeding, timely care, and access to local markets, he started earning more than ₹2.00 lakh per year from the sale of goats. This income stream has strengthened his financial stability and reduced dependence on a single source of livelihood.

#### Recognition

Shri. Narnavare's success has become a beacon of inspiration for rural youth and professionals alike, encouraging many to



explore goat farming and similar livelihood activities as viable and sustainable options. His story reinforces the broader impact of SCSP interventions: targeted support combined with scientific guidance can empower individuals, improve socio-economic conditions, and build resilient rural communities.

## Participation in Webinar / Seminar / Conference

1. Dr. Narayan Borkar, Scientist (Farm Machinery & Power) attended a two-day National Webinar on “Precision Farming and Sustainability in Agriculture: A Pathway to Viksit Bharat@2047” organized by Acharya Narendra Deva University of Agriculture & Technology, Ayodhya, Uttar Pradesh at Mahamaya College of Agricultural Engineering & Technology, Ambedkar Nagar during 25-26 September 2025.
2. Dr. S.K. Sain, Principal Scientist (Plant Pathology) participated and delivered a lecture on “Untapped Biopesticide Molecules: Promising New Avenues for Sustainable Pest Control” in the National Conference on “Advances in Sustainable Plant Protection under Changing Agriculture Scenario” organized by the Entomological Research Association and MPUA&T, Udaipur during 18-20 September 2025.

## Lectures Delivered

1. Dr. Rishi Kumar, Head I/c, ICAR-CICR Regional Station, Sirsa, Dr. S.K. Sain, Principal Scientist and Dr. Amarpreet Singh, Senior Scientist delivered lectures on improved cotton production technologies in “Training-cum-technical discussion to enhance cotton productivity for cotton stakeholders” organized by Dhanuka Agrotech Ltd. During 14-16 July 2025 at Sriganaganagar, Abohar and Sirsa, respectively. A total of 770 farmers benefitted.
2. Dr. Rishi Kumar, Head I/c, ICAR-CICR Regional Station, Sirsa and Dr. Subhash Chandra, Scientist delivered lectures on “Improved cotton production technologies for Punjab cotton growing zone” in a training programme for farmers organized by KVK, Abohar on 22<sup>nd</sup> August 2025.
3. Dr. Rishi Kumar, Head I/c, ICAR-CICR Regional Station, Sirsa and Dr. S.K. Sain, Principal Scientist delivered lectures in a Cotton Workshop organized by South Asia Biotechnology Centre at Kharia village, Sirsa on 7<sup>th</sup> September 2025.

## Research Progress

### 1. Performance evaluation and energetics of different types of developed planters for HDPS

#### Dr. Narayan Borkar

A comparative evaluation of performance and energetics of different planters and seeders under HDPS in cotton indicated variations in operational performance across different sowing methods. Pneumatic planter recorded the lowest machine time of 1.18 hr/ha with 74% field efficiency, but incurred the highest operational cost of ₹ 1,299/ha among the mechanical options. The locally developed cup-type and inclined plate

seeders required 1.31 and 1.39 hr/ha, respectively, with moderate field efficiency of 66–68% and lower operational cost of ₹ 639 to 671/ha. The hand-operated planter required 6.3 man-hours/ha, achieved the highest field efficiency of 83%, and recorded relatively low energy consumption of 57.7 MJ/ha with moderate cost of ₹ 714/ha. Manual sowing was the most labour-intensive, requiring 45.13 hr/ha, with high labour demand and the maximum operational cost of ₹ 2706/ha. Overall, mechanized and locally developed planters substantially reduced labour requirements and sowing time compared to manual sowing. However, the differences among treatments were not statistically significant.



### 2. Rapid development of high-yielding Bt-cotton varieties amenable for HDPS

#### Dr. Rahul M. Phuke

The Bt varieties and hybrid development programme at ICAR-CICR, Nagpur, has different components for *kharif* 2025, which includes the crossing block of 102 lines, four station trials of varieties and hybrids, breeding material (225 families), selected bulk breeding material of 63 population, seed multiplication of AICPR sponsored entries. Among the AICRP sponsored varieties, CICR 24-13 Bt II is in AET compact trial and four genotypes CICR 25-21 Bt II, CICR 25-22 Bt II, CICR 25-24 Bt II and CICR Bt 142 are in IET compact trial.



The second year AET compact trial of CICR 24-13 Bt II genotype has excellent fibre quality with fibre length 30.60 mm, fibre strength 32.60 and micronaire of 4.90. The genotype also has big boll size (5.20 gm) and expected to yield more than 25 q/ha.

The hybrids under station trials are all GMS based hybrids in Bt II background. They are sown in replicated yield trials with AICRP check hybrids such as US 704 BG II and ARCH 777 BG II, with one popular hybrid RCH 971 BG II. The outperforming hybrids in comparison with zonal checks will be sponsored in Hybrid Bt trials of AICRP.

## Publications

### Research Papers

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- Velmourougane, K., Prasanna, R., Manikandan, A., Harinkhede, L.R., Bansod, P.T., Vaidya, J.B. and Prasad, Y.G. 2025. Cyanobacterium-based bacterial and fungal biofilms as economically viable and climate smart biostimulants for Bt-cotton in rainfed Vertisol. *Journal of Applied Phycology*. <https://doi.org/10.1007/s10811-025-03671-1>.
- Waghmare, R.R., Velmourougane, K., Blaise, D., Manikandan, A., Harinkhede, L.R., Bansod, P.T., Nasare, S.B., Vaidya, J.B., Gotmare, V. and Prasad, Y.G. 2025. Wild and cultivated cotton species: comparative studies on plant biochemistry, soil biology, and soil nutrient status. *Crop & Pasture Science*, 76, CP24265. [Doi: 10.1071/CP24265](https://doi.org/10.1071/CP24265).
- Bhoyar, S.N., Velmourougane, K., Harinkhede, L.R., Vaidya, J.B., Dhanorkar, T.B., Manikandan, A., Mundafale, C. and Prasad, Y.G. 2025. Augmentation of soil nutrient availability and biological activity through major and minor millet cultivation under rainfed vertisols of central India. *National Academy Science Letters*. <https://doi.org/10.1007/s40009-025-01655-w>.
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### Book Chapters

- Kashyap, N., Tiwari, P. and Singh, A. 2025. Use of IoT in soil irrigation management. Pp.1-16. In: *International Horizons in Agriculture and Allied Sciences*. Editors: Katiyar, H., Pattar, J., Das, S., Biradar, B., Srivastava, S.K., Lanjile, P.T. The Pustakalya publications, Lucknow, U.P., India. ISBN: 978-93-49921-56-6.
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### Books Edited

1. Debnath, S., Singh, A., Totewad, N. and Kumar, B. 2025. Advances in agriculture, horticulture and animal husbandry: Volume-I. Bhumi Publishing, Kolhapur, Maharashtra 416 207, India. Pp.140. ISBN: 978-81-992068-2-3.

### Popular Articles, Technical Articles, E-Publications

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2. Kumar, R., Fand, B.B., Singh, S. and Waghmare, V.N. 2025, Alarming leafhopper population in north Indian cotton. Insect Environment. IE Blog No.267, August 24. <https://insectenvironment.com/f/alarmed-leafhopper-population-in-north-indian-cotton>.
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5. Mangaraj, A., Saxena, R., Imade, S.R. and Singh, A. 2025. Drones in crop monitoring, spraying, and precision farming. The Science Worlds-A monthly e-magazine, 5(9): 9229-9233.
6. Mangaraj, A., Saxena, R., Imade, S.R. and Singh, A. 2025. Micro irrigation systems and their automation. Trends in Agriculture Science, 4(9): 5056-5059.
7. Shashidhar, K.S., Kumaravel, S., Singh, A. and Jagtap, K.R. 2025. Nitrogen fixing bacteria in sustainable crop production. The Science Worlds-A monthly e-magazine, 5(9): 9225-9228.
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11. Sivashankari, M. and Borkar, N. 2025. Nutri smart village: A holistic approach towards nutrition-sensitive rural development. Foodtech Today E-Magazine, 1(12), July.
12. Velmourougane, K. and Prasad, Y.G. 2025. Microbial volatile attractants for monitoring and managing sucking pests in cotton. Cotton Statistics & News, 43: 1-5.

## Technologies Certified / Patented

### Technologies Certified

Technology	Team
Antagonistic and growth promoting potential of endophytic <i>Diaporthe melonis</i> isolate CFS-5 in cotton and non-host crops.	Neelakanth S. Hiremani (Lead Developer), Pooja Verma, S.P. Gawande, S.K. Sain, D.T. Nagrale, and Y.G. Prasad.
Rapid, reliable & robust methodology for field level yield loss assessment in cotton due to pink bollworm and boll rot.	Babasaheb B. Fand (Lead Developer), Vivek Shah, D.T. Nagrale, S.P. Gawande, D.J. Mahule, S.H. Thube, K. Pandian, Indal Ramteke, Rishi Kumar, K. Rameash, T. Prabhulinga, V.S. Nagrare, G.T. Behere and Y.G. Prasad.
Attractant formulation for whiteflies, aphids and thrips.	K. Velmourougane (Lead Developer), Pooja Verma, A. Manikandan, Y.G. Prasad, Rishi Kumar and D. Blaise.

### Patent

Velmourougane, K., Pooja Verma., Manikandan, A., Prasad, Y.G. Bacterial-based volatiles composition as jassid attractant (Grant No.: 568707; Date: 15.07.2025).

## Cotton Scenario

### R. Jaya Kumaravaradan

Amid the ongoing geopolitical friction over Russia-Ukraine war, the US imposed a 25% tariff on Indian goods on 1<sup>st</sup> August 2025 and further increased it to 50% from 27<sup>th</sup> August 2025, penalizing India's continued Russian oil imports and expanding role within BRICS. To safeguard the country's

textile and garment industry from this sudden trade shock, the Government of India announced a temporary suspension of 11% import duty on raw cotton effective from 19<sup>th</sup> August 2025 until 30<sup>th</sup> September 2025, and further extended the exemption up to 31<sup>st</sup> December 2025. This strategic move,

primarily aimed at easing tensions with the US, the second-largest cotton supplier to India, will also help Indian mills to import contamination-free, high-quality raw cotton from the international market at cheap rates, thereby increasing the competitiveness of apparel exporters.

The Indian mills, which were already piling up imported cotton apprehensive of a low domestic supply, immediately seized the opportunity. The raw cotton imports jumped from 3.70 lakh bales in August to 5.13 lakh bales in September. Overall, Indian mills imported 41.40 lakh bales of raw cotton in 2024-25 (October 2024 to September 2025) against 15.20 lakh bales in 2023-24, a growth of 172%. Concurrently, cotton exports decreased by 64% from 28.36 lakh bales to 18.07 lakh bales.

Speculating that the influx of imports may lead to decreased

demand for locally produced cotton, subsequently applying downward pressure on domestic prices, the Government of India swore to procure all the indigenous cotton produced by farmers during kharif 2025 at a Minimum Support Price of ₹7,710/q for medium staple cotton and ₹8,110/q for long staple cotton. To this effect, the Cotton Corporation of India (CCI) opened 550 procurement centres across major cotton producing states for the kharif 2025-26 marketing season commencing from October.

Starting this season, nationwide Aadhaar-based self-registration of cotton farmers and 7-day rolling slot booking will be facilitated via the newly launched 'Kapas-Kisaan' mobile app. This digital platform aims to streamline procurement operations, ensure transparency and enable direct Aadhaar-linked payments to farmers' bank accounts through the National Automated Clearing House (NACH).

## Academic Progress

### Degrees Awarded

Five students admitted to IARI Academic Hub, Nagpur during the academic session 2023–24 have successfully completed all requirements for the award of M.Sc. degree in the disciplines of Entomology (2) and Plant Pathology (3) by ICAR-IARI, New Delhi.



**Name:** Ms. Ajmi Sulthana

**Discipline:** Entomology

**Supervisor:** Dr. Shivaji H. Thube

**Thesis title:** Biochemical and molecular investigations on insecticidal activity of *Metarhizium anisopliae* (Metschnikoff) Sorokin against pink bollworm *Pectinophora gossypiella*



**Name:** Mr. Rangaraju H.T.

**Discipline:** Entomology

**Supervisor:** Dr. Shah Vivek

**Thesis title:** Studies on cry toxins susceptibility in field populations of *Helicoverpa armigera* (Hubner)

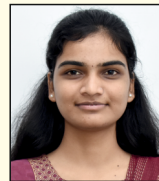


**Name:** Mr. Selva Kumar S.

**Discipline:** Plant Pathology

**Supervisor:** Dr. Neelkanth S. Hiremani

**Thesis title:** Development of rapid detection tool for major pathogens causing seed borne diseases in cotton (*Gossypium* spp.)



**Name:** Ms. Veer Pooja Ranganath

**Discipline:** Plant Pathology

**Supervisor:** Dr. Dipak T. Nagrale

**Thesis title:** Study on rhizobacterial bioefficacy and modelling the progression of bacterial boll rot disease in upland cotton



**Name:** Ms. Hima Bindu S.

**Discipline:** Plant Pathology

**Supervisor:** Dr. Shailesh P. Gawande

**Thesis title:** Studies on systemic defence and growth promotion by *Trichoderma* spp. against *Corynespora cassilicola* causing target spot disease in cotton

### Selection and Placements

Ms. Setty Hima Bindu, M.Sc. (Plant Pathology) at the IARI Academic Hub, Nagpur, secured All India Rank # 20 in the ICAR's 30<sup>th</sup> All India Competitive Examination (AICE-2025) for admission to the Doctoral Degree Programme in

Agricultural Universities (AUs), conducted by the National Testing Agency (NTA). She has been admitted to the Ph.D. programme in Plant Pathology at ICAR–IARI, New Delhi.

ICAR-CICR in the News

ICAR-CICR, HPCL join hands to develop eco-friendly pest management for cotton



Business Reporter

THE ICAR-Central Institute for Cotton Research (CICR), Nagpur and Hindustan Petroleum Corporation Limited (HPCL), Mumbai entered into a collaborative agreement to evaluate an eco-friendly bio-pesticide for sustainable management of sucking pests in cotton.

The contract bio-efficacy analysis of the product development will be carried out by ICAR-CICR (Central Zoic Zone), Coimbatore. Nagpur based Nagpur Divisional and offices.

ICAR-CICR felicitates C D Mayee

Staff Reporter ICAR-CENTRAL Institute for Cotton Research (CICR), Nagpur felicitated cotton scientist C D Mayee for receiving Researcher of Award, Mayee during a farm



benefits to reduce input costs, increase profit margins and establish Custom Hiring Centres. The dignitaries honoured farmers and distributed agricultural inputs to five representatives. The event was

CICR working on genome editing to raise cotton yield

The Central Institute of Cotton Research (CICR) is now working on genome editing to raise cotton yield. This method involves using the latest technology for agricultural research in the country. Genome editing is done from the more complex genetic engineering technology which involves introducing additional genes into farmers are currently being used. A gene edited variety will have resistance to the pest.

CROP BOOSTER

ICAR-CICR, IFFCO tieup to test nano-fertilisers in cotton farming



Dr V N Waghmare, Director, ICAR-CICR, and U R Tijare, State Marketing Manager, IFFCO Limited, exchanging documents after signing a MoU to conduct a joint research.

जमीन आरोग्य जपल्यास भारतातही ब्राझीलइतकी कापूस उत्पादकता

डॉ. विजय वाघमारे यांनी केला दावा अंग्रेज वृत्तसेवा नागपूर, सोमवार, १८ ऑगस्ट २०२५



महाराष्ट्राचा विचार करता ८० ते ८५ टक्के क्षेत्रावर कोरडवाहू कपासी होते. फुलधारणा किंवा बौद्ध परिपक्व होण्याच्या अवस्थेत विकसित पाण्याची गरज राहते. या वेळी पावसाचा खंड घडल्यास त्याचाही उत्पादकतेवर परिणाम होतो. त्यामुळे उत्पादकतेवर परिणाम होतो. त्यामुळे सिंचन सुविधा बळकटीकरणाने भर देण्याची गरज आहे.

सकाळ अंग्रेज वृत्तसेवा नागपूर, सोमवार, १८ ऑगस्ट २०२५

कापूस उत्पादकता क्षेत्रात कमी खर्चाचे तंत्रज्ञान देणार : वाघमारे

केंद्रीय कापूस संशोधन संस्थेत स्वातंत्र्य दिन सोहळा साजरा अंग्रेज वृत्तसेवा

नागपूर : भारतीय कापूस लागवड क्षेत्रातील मर्यादा लक्षात घेता त्यानुसार कमी खर्चाचे तंत्रज्ञान आणि सर्वज्ञाची उपलब्धता गरजेची आहे. येल्या काळात अशा नावोन्पूर्ण बाबींच्या संशोधनावर संस्थेद्वारे भर दिला जाईल, असे प्रतिपादन केंद्रीय कापूस संशोधन संस्थेचे संचालक डॉ. विजय वाघमारे यांनी शुक्रवारी (ता. १५) केले.

अनुसूचित जमाती शेतकऱ्यांसाठी कृषी प्रशिक्षण व निविष्टा वितरण कार्यक्रम संपन्न

देशातही स्वातंत्र्य दिनाच्या निमित्ताने संस्थेच्या परिसरात आयोजित ध्वजवंदन सोहळ्यात ते बोलत होते. यावेळी संचालक डॉ. विजय वाघमारे यांनी शेतकऱ्यांसाठी कृषी प्रशिक्षण व निविष्टा वितरण कार्यक्रम संपन्न झाल्याची घोषणा केली.

केंद्रीय कापूस संशोधन संस्थेचा पुढाकार • ताडपत्री, विद्राव्य जीवाणू, जैविक खत वाटप शेतकऱ्यांना प्रशिक्षण, कृषी निविष्टा वितरण

जॉ. (भा.), भारतीय कृषी अनुसंधान परिषद केंद्रीय कापूस संशोधन संस्था नागपूर येथे भव्य निविष्टा वितरण कार्यक्रमाचे उद्घाटन करताना संचालक डॉ. विजय वाघमारे यांनी शेतकऱ्यांसाठी कृषी प्रशिक्षण व निविष्टा वितरण कार्यक्रमाचे उद्घाटन केले.

केंद्रीय कपास अनुसंधान संस्थान सिरसा में स्वच्छता अभियान चला

19 September 2025, Dainik Jagran The ICAR-Central Institute for Cotton Research (CICR), Nagpur celebrated the 79th Independence Day of India with great enthusiasm, unity and patriotic spirit.

आदिवासी शेतकऱ्यांना प्रशिक्षण व कृषी निविष्टाचे वितरण

देशातही स्वातंत्र्य दिनाच्या निमित्ताने संस्थेच्या परिसरात आयोजित ध्वजवंदन सोहळ्यात ते बोलत होते. यावेळी संचालक डॉ. विजय वाघमारे यांनी शेतकऱ्यांसाठी कृषी प्रशिक्षण व निविष्टा वितरण कार्यक्रम संपन्न झाल्याची घोषणा केली.

## Personnel



Oinam W. Singh



Pratik Chandan



Ashok Upadhya

### Joined

1. Dr. Oinam Washington Singh, joined as Scientist (Plant Pathology) at ICAR-CICR Regional Station, Sirsa on 07.07.2025
2. Shri. Pratik Chandan, joined as Assistant at ICAR-CICR, Nagpur on 26.08.2025
3. Shri. Ashok Upadhya, joined as Assistant at ICAR-CICR, Nagpur on 26.08.2025

### Probation clearance and confirmation

1. Smt. Kamla R. Kawale, SSS, ICAR-CICR, Nagpur
2. Smt. Durga R. Khandate, SSS, ICAR-CICR, Nagpur
3. Smt. Chaya R. Ganorkar, SSS, ICAR-CICR, Nagpur
4. Shri. Vijay S. Mogre, SSS, ICAR-CICR, Nagpur

### Upgradation under MACP scheme

Shri. N. Ramesh, Assistant, ICAR-CICR Regional Station, Coimbatore

### Retirement

1. Shri. Haridas Dange, SSS, ICAR-CICR, Nagpur in July 2025
2. Dr. Rajkumar Ramteke, Principal Scientist, ICAR-CICR, Nagpur in September 2025



Farewell of Shri. Haridas Dange



Farewell of Dr. Rajkumar Ramteke

### ***Produced & Published by:***

**Dr. V. N. Waghmare**

Director

ICAR-Central Institute for Cotton Research  
Panjari, Wardha Road, Nagpur - 441108

**Phone:** 07103-275536/275538

**Email:** cicrnagpur@gmail.com

**Fax:** 07103-275529

**Visit us:** www.cicr.org.in

### ***Compiled & Edited by:***

Dr. R. Jaya Kumaravaradan

Dr. Annie Sheeba

Dr. Subhash Chandra

Smt. Rama Iyer

### ***Designed by:***

Shri. Ritik Manapure