

CICR

NEWSLETTER

ICAR-CENTRAL INSTITUTE FOR COTTON RESEARCH, NAGPUR

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High Commissioner of Uganda H.E. (Ms) Grace Akello alongwith two senior staff interacting with Dr. Y. G. Prasad, Director and Heads of Divisions, ICAR-CICR, Nagpur during their visit to the Institute on 20th September 2021.

Director's Message

As the kharif 2021 season approaches, several new and approved research projects will come into action. The AICRP meet on Cotton held in April under the Chairmanship of Dr T.R. Sharma, DDG (Crop Sciences) approved a new multi-location trial on evaluation of BG II compact hybrids. On-farm evaluation trials with compact Bt hybrids and CICR Bt varieties under high density planting system (HDPS) in rainfed shallow to medium soils of Vidarbha were initiated in PPP mode with Rasi Seeds. Fourteen KVKs were enlisted for frontline demonstrations on CICR Bt varieties. Demonstrations of long-linted G. arboreum varieties were taken up in collaboration with Better Cotton Initiative (BCI) and VNMKV. Project proposal including SAU's were submitted to the Ministry of Textiles for promotion of public sector cotton varieties. Regulatory approvals from RCGM/GEAC on two non-deregulated transgenic events for whitefly and bollworm tolerance were obtained. A common evaluation protocol by CICR and PAU was put in place for Tma-12 event evaluation against cotton whitefly on the direction of Dr Trilochan Mohapatra, Secretary, DARE and Director General, ICAR. Efforts are underway in collaboration with CSIR-CMERI to test prototype spindle type cotton picker in this year. CICR is providing technical support for mating disruption technique in Pink Boll Worm management with commercial lure by AgroVision Foundation. I am glad to share that CICR bagged the ICAR 'Rajshri Tandon Rajbasha Puraskar' consecutively for the third time. It is hoped that CICR staff will put all efforts to forge team spirit and comradery among staff.

(Y. G. Prasad)



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Events

Foundation Day

ICAR-CICR celebrated its 45th ICAR-CICR Foundation Day today on 1st April 2021 in the august presence of the Chief Guest Dr. C.D. Mayee, Ex-Chairman (ASRB) & Ex-Director, ICAR-CICR, Dr. R.K. Singh, ADG (Commercial Crops), ICAR, New Delhi and Dr. B.S. Dwivedi, Director, ICAR-NBSS & LUP, Nagpur as Guests of Honour. Dr. Y.G. Prasad, Director, ICAR-CICR welcomed the Chief Guest, Guests of Honour, invited speakers and all the staff and presented the overview of achievements. Dr. P.K. Chakrabarty, Member (Plant Sciences), ASRB & Ex-ADG (Plant Protection and Biosafety), ICAR, New Delhi and Dr. P.G. Patil, Vice Chancellor, MPKV, Rahuri delivered the Foundation Day Lectures in virtual platform followed by address by Chief Guest. Staff and retired colleagues of ICAR-CICR participated in the celebration.



Yoga day

Seventh International Yoga Day was celebrated on 21st June, 2021 at ICAR-CICR, Nagpur and its Regional Stations (Coimbatore and Sirsa). Trained Yoga teachers explained about the benefits of Yoga and meditation to overcome stress. Few Asanas and breathing exercises were taught to fight against COVID19 and to maintain a balanced life. All the staff participated actively in the programme.



ICAR Foundation Day and tree plantation

In commemoration of 75th year of India Independence (Azadi Ka Amrut Mahotsav), on the occasion of 93rd ICAR foundation day, a tree plantation campaign was organized by ICAR-CICR on the



theme "Har Med Par Ped". All scientific staff of ICAR-CICR actively participated in the programme and planted tree saplings.



Independence Day

The 75th Independence Day was celebrated by ICAR-CICR on 15th August, 2021. At ICAR-CICR, Nagpur, Dr. YG Prasad, Director; at Regional Station, Coimbatore, Dr. A.H. Prakash,

Project Coordinator and Head and, at Regional Station, Sirsa Dr. S.K. Verma, Head, hoisted the National Flag and addressed the gathering.



Independence Day Celebration : Nagpur



Coimbatore



Sirsa

Parthenium awareness week

ICAR-CICR, Nagpur and its Regional Stations observed “Parthenium Awareness Week” during 16th – 22nd August 2021. The staff from all three centers actively participated in the programme.



Meetings held

Finalization of recommendations and SOPs for boll rot disease complex management in cotton

One day meeting (virtual mode) on “Finalization of recommendations and SOPs for boll rot disease complex management in cotton” was organized on 17th April, 2021 by Directorate of Research, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra. Dr. V.M. Bhale, Vice-Chancellor, Dr PDKV, Akola presided the meeting to develop common SOPs by all the SAUs and ICAR-CICR, Nagpur on 'Boll rot disease complex management' for cotton cultivators in the state. Dr Nandini Gokte-Narkhedkar, Principal Scientist & Head (I/c), other expert scientists of the Division of Crop Protection, ICAR-CICR, Nagpur, Dr PDKV, Akola, Dr MPKV, Rahuri and VNMKV, Parbhani participated.

Meeting on Pink bollworm and boll rot management in cotton

One day district level meeting (virtual mode) on “Pink bollworm and boll rot management in cotton” was organized by District Superintendent Agriculture Officer (DSAO), Yavatmal under the Chairmanship of Sh. Amol Yedge, District Collector, Yavatmal on 22nd April, 2021. Dr Nandini Gokte-Narkhedkar,

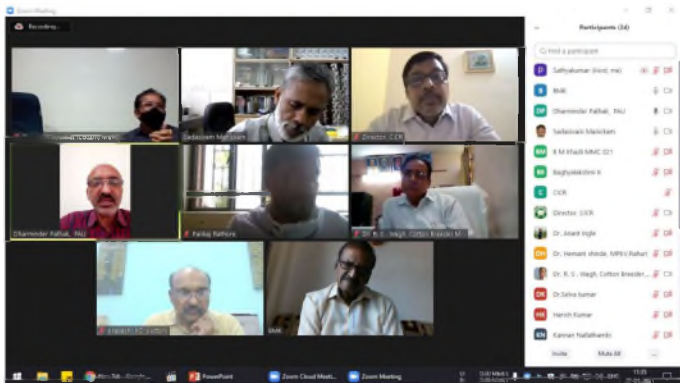
Principal scientist & Head (I/c), Division of Crop Protection and experts from ICAR-CICR, Nagpur viz. Dr Dipak T. Nagral and Dr Shailesh P. Gawande, Scientists (Plant Pathology), Dr V.S. Nagrare, Principal Scientist, Dr. V. ChinnaBabu Naik, Senior Scientist and Dr Babasaheb B. Fand, Scientist (Entomology) delivered talks. Several state agricultural officials, KVK subject experts, representatives from cotton seed producer companies, ginning mills owners, secretaries from APMC, progressive farmers, TAOs, Manager-Mahabeej etc. from the district attended the meeting.

Review meeting under ICAR-CSIR MoU

A review meeting chaired by Dr. T Mohapatra, Secretary, DARE & DG, ICAR was held to review the progress of activities/recommendations of the 2nd ICAR-CSIR Joint Steering Committee Meeting on 8th September, 2021. Dr R.K. Singh, ADG (Commercial Crops) appraised the purpose of the meeting. Dr Y.G. Prasad, Director, ICAR-CICR, Nagpur presented the progress of activities/recommendations by ICAR-CICR with respect to the action points emanating from the joint steering committee, viz., (1) Status of application for RCGM approval for import of GM seeds (2) Bio-efficacy evaluation of GM event seed against whitefly in cotton (3) Multi-location testing of CSIR-IICT pheromone lure for monitoring of pink bollworm in cotton (4) Development of prototype spindle type cotton picker by CSIR-CMERI, Durgapur.

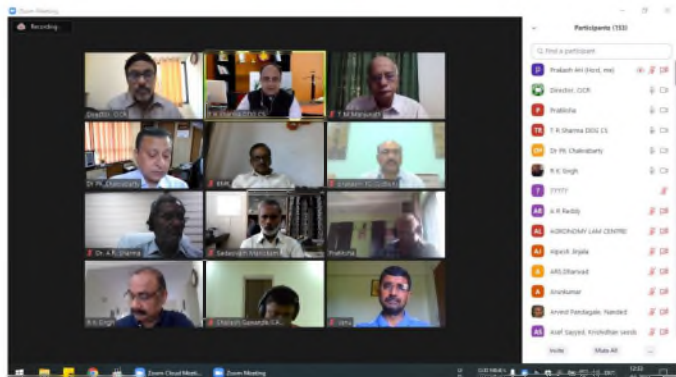
Cotton Breeders Meet

ICAR-AICRP Cotton Breeders Meet was held in virtual mode on 3rd April 2021 which was chaired by Dr. B.M. Khadi, Member, Programme Advisory & Monitoring Committee of ICAR-AICRP on Cotton. Dr. Y.G. Prasad, Director, ICAR-CICR, Nagpur, Dr. A. H. Prakash Project Coordinator & Head, Dr. V.N. Waghmare, Head, Division of Crop Improvement, ICAR-CICR, Nagpur and all the cotton breeders from ICAR-CICR and different AICRP centres participated. The main purpose of the virtual meeting was to reorient the breeding trials as per the farmers' demand and Industries requirement. Issues like rationalizing number of non-Bt trials, benchmark for different traits, data for sponsoring entry in AICRP, etc were discussed during the meeting.



Annual Group Meeting of ICAR-AICRP on cotton

The annual group meeting of ICAR-All India Coordinated Research Project (AICRP) on Cotton was conducted through video conference during 9th-11th April, 2021 hosted by ICAR-CICR Regional Station, Coimbatore. Dr. T.R. Sharma, DDG (Crop Science), Dr. R. K. Singh, ADG (Commercial Crops), Dr. C. D. Mayee, Chairman, Programme Advisory & Monitoring Committee of AICRP on Cotton, Dr. Y. G. Prasad, Director ICAR-CICR, Nagpur, Dr. V.K. Kharche, Director of Research, Dr. PDKV, Akola and Dr. A.H. Prakash, Project Coordinator, AICRP on Cotton along with the members of Programme Advisory and Monitoring Committee of AICRP on Cotton, scientists from various public and private sector R & D institutes participated. The meeting had seven technical sessions followed by valedictory session. The results of various trials under Plant Breeding, Agronomy, Entomology, Pathology and Fibre quality were reviewed in detail. The Variety Identification Committee meeting of both Bt and non-Bt Cotton Hybrids/Varieties was



also held during the period under the chairmanship of Dr. T.R. Sharma, DDG (Crop Science).

Institute Research Committee (IRC) meeting - 2021

The Annual Institute Research Committee (IRC) - 2021 meeting of ICAR-CICR was conducted as a combined IRC for ICAR-CICR, Nagpur, ICAR-CICR, Regional Stations, Coimbatore and Sirsa during 22nd-27th March, 29th April, and 5th May 2021 in a virtual mode. Dr. Y. G. Prasad, Director and Chairman, IRC chaired the meetings. All the Heads of Divisions/Regional Stations, Head, PME Cell, Secretary, IRC, and the Scientists of ICAR-CICR participated in the deliberations. Dr. K. Velmourougane, Secretary, IRC presented the Action Taken Report (ATR) of the previous IRC (2020). A total of 19 concluding projects were approved for closure, and 18 new projects were approved. After the project matrix finalization on the last day of IRC, a total of 82 (71 institute & 11 externally funded) projects were listed as on-going projects. The IRC felicitated Dr. O. P. Tuteja, Principal Scientist (Plant Breeding) and Head, ICAR-CICR Regional Station, Sirsa who presented his lifetime achievements in cotton research in the IRC-2021.



Collaborative meeting with Bayer Crop Sciences Ltd.

An interaction meeting (virtual mode) between ICAR-CICR, Nagpur and Bayer Crop Sciences Ltd. for possible research collaboration on the theme "Management of economically important insect pests and disease in cotton" was organized by ICAR-CICR, Nagpur on 13th May, 2021.

Dr. Babasaheb Fand, Nodal Officer for prospective collaboration between ICAR-CICR and Bayer Crop Sciences Ltd. welcomed the participants. Dr. Y.G. Prasad, Director, ICAR-CICR, Nagpur addressed that research collaboration



should be based on economically important and emerging insect pests and diseases in cotton with its evaluation, validation and field application. Mr. Raghavendra Udupa, Customer Marketing Lead-IBSL told that the theme of collaboration is realistic in present cotton pest scenario and he is very hopeful to develop research collaboration with some refinement in technical program. Entomology Scientists viz. Dr. V. Chinna Babu Naik, Senior Scientist, Dr. Vivek Shah, Scientist, Dr. Rishi Kumar, Principal Scientist, and Pathology Scientist, Dr. Dipak Nagrale, Scientist presented project proposals for discussion.

Meeting on Tma event with NBRI

A meeting was organized by CSIR-National Botanical Research Institute, Lucknow to discuss the evaluation protocol of Tma events against whitefly during 2021-22 on 21st June 2021. Prof. S.K. Barik, Director, CSIR-NBRI and Dr. P.K. Singh Senior Principal Scientist participated from CSIR-NBRI, Lucknow. Dr. Y.G. Prasad, Director, ICAR-CICR, Nagpur,



Heads of the Divisions viz, Dr. V.N. Waghmare, Dr. M.V. Venugopalan, and other Principal and Senior Scientist of ICAR-CICR participated. The common protocol presented by Dr. Rishi Kumar, PS (Entomology) ICAR-CICR, RS, Sirsa was discussed and finalized in the meeting which will be implemented at all the three locations at Nagpur, Sirsa and Faridkot.

Meeting with 'Lady Bamford Foundation'

A meeting was held under the Chairmanship of Dr. Y. G Prasad, Director, ICAR-CICR, Nagpur with Ms. Juhi Pandey, Technical Head, Lady Bamford Foundation (LBF) of JC Bamford (JCB) India Limited and her team on 20th August, 2021 at ICAR-CICR Regional Station, Sirsa. The meeting was aimed to find out the possible collaboration of LBF under its CSR projects with ICAR-CICR for enhancing cotton production, especially organic and traditional cotton production and value addition in Ballabgarh, a non-traditional cotton growing region of Haryana



Consultation meet on Quality seed Production of cotton

Dr. Y. G. Prasad, Director ICAR-CICR Nagpur organized virtual Consultation meet on Quality seed production of Cotton varieties among stakeholders on 13th August, 2021. Dr. R K Singh ADG (CC), Mr. Anirudh Tiwari IAS, VC, PAU, Dr. Z P Patel VC NAU, Dr V P Chovatia, VC, JAU, Dr. Vilas Bhale, VC, PDKV, Dr Ashok Dhawan, VC, VNMKV, Dr Praveen Rao, VC, PJTSAU, Dr A Vishnuvardhan Reddy, VC, ANGRAU, Dr M B Chetty, VC, UAS, Dr N Kumar, VC, TNAU, Sh M L Arora Director (Commercial), NSC, Dr V N Waghmare, Dr Prakash, Dr S Manickam & Dr Santhy participated in the virtual consultation.

30th July 2021 through Video Conferencing. The project is funded by Department of Agriculture, Cooperation & Farmers' Welfare (Crops Division), Ministry of Agriculture & Farmers' Welfare, Government of India under Centrally sponsored scheme on "NFSM: Commercial Crops". Dr. Y. G. Prasad, Director, ICAR-CICR, Nagpur chaired the workshop.

Orientation workshop under IRM project

ICAR-CICR, Nagpur organized an orientation workshop of the project "Insecticide Resistance Management (IRM): Dissemination of Pink bollworm Management Strategies" on

Convergence meeting for quality cotton seed production of public sector varieties/hybrids

A meeting with the breeders of 'ICAR-AICRP on Cotton' was held on virtual platform on 28th July, 2021 to discuss about the quality cotton seed production and promotion of public sector varieties and hybrids. The meeting was chaired by the Dr YG Prasad, Director, ICAR-CICR, Nagpur and, the scientists from ICAR-CICR and different AICRP centres viz., PAU (Faridkot) NAU (Surat), Dr PDKV (Akola), MPKV (Rahuri), VNMAU (Nanded), UAS (Dharward), ANGRAU (Guntur) and TNAU (Coimbatore) participated

Commercialization of Technology

MOUs signed by ICAR-CICR, Nagpur

- MOU with Agrovision Foundation, Nagpur on 27th May 2021 for leveraging the joint expertise for conceptualization, development, sourcing and implementation of new initiatives

and interventions including projects, programs, events, trials, proof-of-concept studies in cotton production technologies in Maharashtra in the spirit of Public Private Partnership encouraged by ICAR.



- MoU with M/s. Rasi Seeds Pvt. Ltd., Coimbatore on 27th May, 2021 for a contract research project on "Evaluation of nectariless Rasi cotton hybrids against pink bollworm and American bollworms in cotton".

Trainings Imparted

Pre-sowing training to cotton farmers

One day district level pre-season meeting (virtual mode) was organized to impart the training to the farmers by Dr. Hedgewar Seva Samiti's Krishi Vigyan Kendra, Nandurbar at Krishak Mandal Nandurbar along with ICAR-CICR, Nagpur on 25th May

2021. Dr. Y. G. Prasad, Director, ICAR-CICR, Nagpur, Shri. R. S. Dahatonde, Senior Scientist and Head, Krishi Vigyan Kendra, Nandurbar and Dr. V. ChinnaBabu Naik, Senior Scientist (Entomology), ICAR-CICR, Nagpur interacted with farmers

State level training for the cotton growers of North India

Three days state level online training programme on "Advanced technology for enhancing cotton production for the cotton growers of north India" was jointly organized by ICAR- CICR Regional Station, Sirsa and GSP Crop Science Pvt. Ltd. during 28th -30th June, 2021 under the Chairmanship of Dr. Y.G. Prasad, Director ICAR-CICR, Nagpur.

Training on "Recent advances in cotton crop production & protection technologies for North India"

A web training programme on "Recent advances in cotton crop production & protection technologies for north India" was organized by ICAR-CICR Regional Station, Sirsa on 24th July 2021 with the sponsorship of Better Cotton initiative (BCI) & Ambuja Cement Foundation (Bathinda). The inaugural session was chaired by Dr. Y.G. Prasad, Director ICAR-CICR, Nagpur.

Farmers' training and input distribution under various schemes

S.No.	Organized by	Subject	Scheme	Date	Beneficiaries	Co-ordinator
1	ICAR-CICR, Nagpur and KVK, Nandurbar through video conferencing	Improved cotton cultivation technologies	Tribal Sub-Plan (TSP) scheme	4 th June 2021	Tribal cotton farmers of Nandurbar district under.	Dr. V. Chinna Babu Naik
2	ICAR-CICR, Nagpur and KVK, Sonapur (Gadchiroli)	Cotton cultivation technologies cum distribution of paddy seeds and vegetable seed kits; leaflets on IPM of pink bollworm and safe handling of pesticides	TSP	10 th June 2021	50 tribal farmers of Gadchiroli district	Dr. V. Chinna Babu Naik
3	ICAR-CICR, Nagpur	Distribution of Critical inputs like cotton seeds (CICR Rajat Bt), pigeon pea seed and biofertilizers	SC sub-plan	11 th June 2021	SC farmers of Pimpalgaon (Lute) and Durgada villages of Deoli Taluka (Wardha district)	Dr. S.T. Gawande
4	ICAR-CICR, Nagpur	Workshop on Improved Cotton Production Technologies cum Inputs Distribution"	TSP	15 th June 2021	Tribal farmers of Umred taluka, Nagpur district	Dr. V. Chinna Babu Naik
5	ICAR-CICR, Nagpur and Organic farmers' training centre, Magan Sangrahalaya, Girad	Training cum input distribution' (Seeds of Suraj (non-Bt) variety, biofertilizer kit and vegetable kits)	Scheduled Caste Sub Plan (SCSP)	16 th June 2021	20 SC farmers of Girad cluster, Tah Samudrapur of Wardha district for demonstration of 1 acre of organic cotton.	Dr. S.T. Gawande

S.No.	Organized by	Subject	Scheme	Date	Beneficiaries	Co-ordinator
6	ICAR-CICR, Nagpur	Training cum seeds distribution of paddy seed and vegetable kit	TSP	17 th June 2021	Tribal farmers from Khapa Khurd, Sitekasa, Vitpur and Lendezari villages of Tumsar taluka of Bhandara district	Dr. V. Chinna Babu Naik
7	ICAR-CICR, Nagpur	Training cum inputs distribution	TSP	8 th July 2021	50 tribal farmers from Patnapur, Kothapalli and Nakkalweda villages of Boath mandal	Dr. V. Chinna Babu Naik
8	ICAR-CICR, Nagpur	Training cum input distribution	SCSP	16 th July 2021	30 scheduled caste farmers from Welsakhra village	

Field Surveys and farmer field visit :

Monitoring of cotton fields in Wardha and Yavatmal districts of Maharashtra

ICAR-CICR team comprising, Dr Y.G. Prasad, Director, ICAR-CICR, Nagpur, Dr. M.V. Venugopalan (Principal Scientist, Agronomy & Head PME Cell), Dr. V. ChinnaBabu Naik, Senior scientist (Entomology), ICAR-CICR, Nagpur along with Sh. Jagan Rathod, (SDAO, Pandharkawda) and Sh. Rakesh Dasarwar (TAO, Pandharkawda), state agricultural department staff also graced the program. Team of Rasi Seeds Pvt. Ltd. also assisted the programmes. More than 50 farmers attended the interaction program. Team visited Wardha and Ralegaon cluster and also observed ICAR-CICR and Rasi Seed collaborative



Dr. S.K.Verma, Head, I/c, ICAR- CICR, RS, Sirsa, and Dr. Rishi Kumar, PS (Entomology) monitored the pink bollworm and sucking pest on cotton fields in Barwala, Hisar district of Haryana during 17th June 2021



HDPS trial on 7th August 2021. In addition to this, team visited farmers' fields from Wardha and Yavatmal and assessed the crop condition. Director, ICAR-CICR suggested the farmers to avoid spraying of insecticides mixtures in crop and also advised to eco-friendly management. Similarly, Dr. M.V. Venugopalan guided cotton farmers and highlighted the importance of PGR and defoliant scheduling for canopy management on cotton. During the survey, Dr. V. ChinnaBabu Naik explained to the farmers on integrated management of pink bollworm and sucking pests in cotton.



Dr. S.K. Verma, Head, I/c, ICAR- CICR, RS, Sirsa, Dr. Rishi Kumar, PS (Entomology) Dr. S. K. Sain, PS (Plant Pathology) and Dr. Amarpreet Singh, Scientist (Agronomy) monitored the cotton fields of Village Fatta Balu, Block Talwandi Sabo of district Bathinda on 18th June 2021



Visits of Dignitaries

- Shri. J.C. Madhuswamy, Hon'ble Minister for Law, Parliamentary Affairs, Legislation and Minor Irrigation, Government of Karnataka along with former minister (Sericulture) Mr. M Shivanna and his team visited ICAR-CICR, Regional Station, Coimbatore on 24th August, 2021. During the visit, Dr. AH Prakash, Project Coordinator and Head briefed on the research achievements of the station. A



virtual meeting was arranged for the scientists to interact with the Minister. After the discussion Hon'ble Minister inaugurated the newly constructed polyhouse and visited the other polyhouses and demonstration field of the station. He also participated in tree plantation programme and planted coconut saplings.



- Dr. Suresh Kumar Chaudhari, Hon'ble Deputy Director General (Natural Resource Management), ICAR visited ICAR-CICR, Nagpur on 16th Sept 2021.



- High Commissioner of Uganda H.E. (Ms) Grace Akello along with two senior staff of embassy in New Delhi visited ICAR-Central Institute for Cotton Research (CICR), Nagpur during 20th-21st, September 2021.



Exposure visit of Post Graduate Students of Chaudhary Devi Lal University (CDLU)

Two days interactive session cum exposure visit for Post Graduate Students (Biotechnology) of CDLU was organized by ICAR-CICR Regional Station, Sirsa during 22nd to 23rd July, 2021.

Exposure visit of Agricultural graduates

Two batches of B.Sc., (Hons.) Agriculture III year students from the Gandhi Gramam Rural Institute, Gandhi Gram, Dindugal visited ICAR-CICR, Regional Station, Coimbatore during 29th-30th July, 2021.

Awards and Recognition

Dr. M. Saravanan, Scientist (Plant Breeding), ICAR-CICR, Nagpur received “Bharat Ratna Mother Teresa Gold Medal

Award” by Global Economic Progress & Research Association (GEPR), New Delhi on 24th July, 2021.

Publications

- Thapa S, Prasanna R, Ramakrishnan B, Mahawar H, Bharti A, Kumar A, Velmourougane K, Shivay YS and Kumar A. (2021). Microbial inoculation elicited changes in phyllosphere microbial communities and host immunity suppress *Magnaportheoryzysae* in a susceptible rice cultivar. *Physiological and Molecular Plant Pathology* doi.org/10.1016/j.pmpp.2021.101625
- Daunde AT, Sain SK, Baig KS and Tatikundalwar VR (2021). Correlation of weather parameters with the development of grey mildew disease of cotton caused by *Ramularia areola*. *Indian Journal of Pure & Applied Biosciences* 9(1): 489-494.
- Appala Raju A, Prasada Rao GMV, ChinnaBabu Naik V, Chiranjeevi CH, Patibanda AK and Srinivasa Rao V (2021). Incidence of Pink Bollworm *Pectinophora gossypiella* (Saunders) (Lepidoptera; Gelechiidae) on flowers (Rosette) of Bt cotton in Andhra Pradesh, India. *Journal of Experimental Agriculture International* 43(3): 90-97.
- Blaise D, Manikandan A, Desouza ND, Bhargavi B and Somasundaram J (2021). Intercropping and mulching in rain-dependent cotton can improve soil structure and reduce erosion. *Environmental Advances*. <https://doi.org/10.1016/j.envadv.2021.100068>
- Sain SK, Monga D, Hiremani NS, Nagrale DT, Kranthi S, Kumar R, Kranthi KR, Tuteja OP, Waghmare VN (2021). Evaluation of bioefficacy potential of entomopathogenic fungi against the whitefly (*Bemisia tabaci* Genn.) on cotton under polyhouse and field conditions. *Journal of Invertebrate Pathology* 183 : 107618 <https://doi.org/10.1016/j.jip.2021.107618>
- Verma SK, Goyal S, Tuteja OP (2021). Line x tester mating design analysis with GMS based system for seed cotton yield, its component traits and fibre quality parameters in Asiatic cotton (*Gossypium arboreum* L.). *Electronic Journal of Plant Breeding* 12(1): 97-103.
- Verma SK, Tuteja OP, Kumar R, Sain SK, Paul D, Monga D, Waghmare VN (2021). Inheritance pattern of resistance to cotton leaf curl disease (CLCuD) in *Gossypium hirsutum* L. *J. Cotton Res. Dev.* 35(2): 197-203.
- Saravanan M, Misra RC, Mahajan SS, Mohan P, Waghmare VN (2021) Exploration, characterization and conservation of cotton (*Gossypium spp.*) encompassing colour cotton from Tripura, India. *Int. J. Curr. Microbiol. App. Sci.* 10(02): 3007-3016.
- Tamboli M, Mawle S, Saravanan M, Mahajan SS, Waghmare VN (2021). Molecular characterization of germplasm accessions of *G. hirsutum* using SSR markers. *Int. J. Curr. Microbiol. App. Sci.* 10(03): 324-331.
- Velmourougane K, Blaise D, Manikandan A, Savitha S, Waghmare VN (2021). Environmental impacts of herbicide tolerant crops and glyphosate-based herbicides. *Applied Ecology and Environmental Research*. 19(5): 3481-3504.

Meetings attended

Dr. Y. G. Prasad, Director, ICAR-CICR, Nagpur attended :

- Virtual meeting regarding HDPS discussion with Rasi Seeds (P) Ltd on 3rd April 2021.
- Virtual discussion on Pollination with WWF- India April 5th April 2021.
- Six Monthly Review Meeting (virtual) of Regional Committee for Region II organized by ICAR-NRRI, Odisha on 12th April 2021.
- Virtual meeting regarding licensing of varieties to public and private sector seed producing agencies and other seed related issues held under the chairmanship of Dr T Mohapatra, Secretary, DARE and DG, ICAR on 19th April 2021.
- Virtual meeting with Solidaridad, India on 21st April 2021 on varietal demonstrations
- Participated as panelist in the Online Annual Zonal Workshop of KVKs organized by ATARI, Pune on 4th August 2021.
- Chaired the ITMC meeting on 12th August, 2021 to discuss the agenda items on collaboration projects and technology transfer (TOT). All the I/c Heads of Division, Improvement, Protection, Production, Dr. S. K. Shukla, Head, GTC, ICAR-CIRCOT, Nagpur and all the members of the ITMC participated in the meeting.

- Dr. Y.G. Prasad, Director along with Dr. M V Venugopalan and Dr. ChinnaBabu Naik, ICAR- CICR, Nagpur visited the HDPS trial plots laid out with Rasi RCH 608 BG II and CICR Bt varieties in Wardha and Ralegaon (Yavatmal) clusters on 07th August, 2021
- Dr. Y.G. Prasad, Director, ICAR- CICR, Nagpur, I/c Heads, Division of Crop Improvement, Division of Crop Protection, Division of Crop Production, Regional Stations, Sirsa, Coimbatore and Dr M.V. Venugopalan joined the meeting with team of Sustainable Agriculture Program WWF India on 11th August, 2021 to discuss about their new initiatives of Regenerative Agriculture in Cotton Growing Landscape, Developing a prototype and use case for target specific & precision-based spraying build on accurate pest detection using near-infrared spectrometry and Seek guidance and technical support from ICAR-CICR on the above aspects
- Dr. Y.G. Prasad, Director ICAR- CICR, Nagpur along with Dr. A.H. Prakash and Dr. S Manickam, Regional Station, Coimbatore participated in the meeting organized by Cotton Section. O/o. Tx.C (Textile Commissioner Mumbai) for discussion on level of MSP for ELS Cotton on 13th August 2021 through video conferencing.
- Dr. S.K. Verma, Principal Scientist (Plant Breeding) and Head (I/C), and Scientists team of Sirsa attended a meeting with representatives of "Kheti Virasat Mission" NGO based in Jaitu, Faridkot, Punjab and farmers regarding the 'Organic farming of cotton' on 16th April 2021.
- Dr. Y.G. Prasad, Director and Dr. V.S. Nagrare, Principal Scientist (Entomology) ICAR- CICR, Nagpur participated in the 1st Steering Committee Meeting (virtual) of the project "Crop Pest Surveillance and Advisory Project in Maharashtra" for the year 2021-22, chaired by Commissioner Agriculture Maharashtra on 28th April 2021.
- Dr. Y.G. Prasad, Director along with Dr D Blaise, Dr MV Venugopalan ICAR- CICR, Nagpur and Dr S. Manickam Regional Station, Coimbatore participated in the meeting of Stakeholders under the aegis of Committee on Cotton Production and Consumption on 30th April 2021 organized by Cotton Section. Office of Textile Commissioner, Mumbai.
- Dr. Blaise Desouza, I/c Head, Division of Crop Production attended ISWS-4 Webinar on 30th April 2021, organized by the Indian Society of Weed Science, Jabalpur.

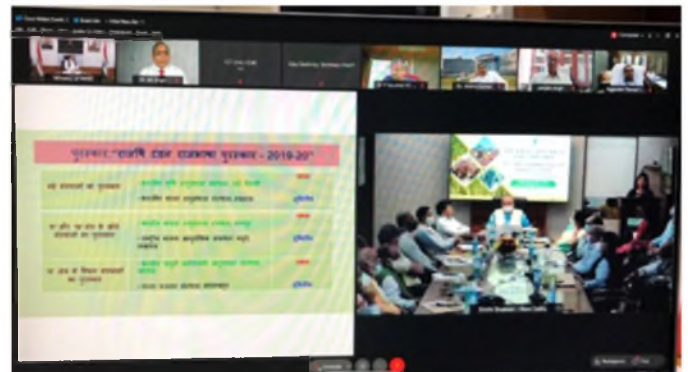
Hindi Corner

ICAR-CICR bags Rajbhasha Award for 2019-20

ICAR-CICR, Nagpur received the prestigious ICAR "Rajashree Tandon Rajbhasha Puraskar 2019-20" on 16th July 2021 during 93rd ICAR Foundation Day and Award Ceremony. Dr. Y.G. Prasad, Director, ICAR- CICR, Nagpur participated in the ICAR Foundation and Award Function 2021 and received the award virtually on behalf of ICAR-CICR, Nagpur.

Hindi week celebration

'Hindi Week' was celebrated during 7th- 14th September, 2021 at ICAR-CICR, Nagpur. Dr. Blaise Desouza, I/c Director inaugurated the event and addressed the institute staff. Dr. Mahendra Kumar Sahu, Assistant Chief Technical Officer, welcomed the staff on behalf of the Official Language



Implementation Committee of the Institute. Various Hindi competitions (Hindi Essay Competition, Picture Based Story Writing Competition, Hindi Translation and General Knowledge Competition etc.) were held under the 'Hindi Week Celebration' in which ICAR-CICR staff including Scientists, technical, administrative and others participated in large number. The closing ceremony' was organized on 14th September, 2021 which was chaired by Dr. Y. G. Prasad, Chairman, Official Language Implementation Committee of the Institute & Director, ICAR-CICR, Nagpur. Dr. Nandini Gokte Narkhedkar, Head, Crop Protection Division, Dr. S. N. Rokde, Principal Scientist and I/c KVK Nagpur, Shri. A. A. Goswami, Senior Administrative Officer and Dr. Mahendra Kumar Sahu, Assistant Chief Technical Officer, ICAR-CICR, Nagpur were the keynote speakers. Dr. Prasad, Director, ICAR-CICR in his keynote address focused on the importance of Hindi saying that Hindi has the ability to weave the entire nation into common fabric. Therefore, it is our constitutional responsibility to make the maximum use of Rajbhasha (Hindi) during our official work. Cash prizes were distributed to the winner of various competitions. The whole program was conducted by Dr. Mahendra Kumar Sahu, ACTO, and vote of thanks was proposed by Dr. Pooja Verma, Scientist, ICAR-CICR, Nagpur.

Hindi Workshop

One day Hindi workshop for scientific and technical cadre personnel was organized at ICAR-CICR, Nagpur on 8th September 2021. Dr. S. N. Rokde, Principal Scientist and In-charge, KVK, Nagpur gave the inaugural address. Dr. Mahendra Kumar Sahoo, Assistant Chief Technical Officer, Dr Rachna Pande, Senior Scientist and Dr. Pooja Verma, Scientist, ICAR-CICR, Nagpur were present as guest speakers. Dr. Sunil Rokde, in his address urged the need to create awareness to farmers in Hindi so that they can better understand about the new technologies and developments going on in the field of agriculture. He stressed upon the need of imbibing Hindi for day to day technical writings. Dr. Mahendra Kumar Sahoo conducted the workshop.



KVK Round Up

Trainings imparted

Azadi Ka Amrut Mahotsav

In commemoration of 75th year of India Independence (Azadi Ka Amrut Mahotsav) Krishi Vigyan Kendra, ICAR- CICR, Nagpur organised Online Farmers Training Programme for the farmers during 24th- 31st May 2021. Dr. Lakhan Singh, Director, ICAR-ATARI, Pune was the Chief guest and Dr. Y. G. Prasad, Director, ICAR-CICR, Nagpur, was the Chairman. During the period a total of 18 lectures on various aspects of agriculture were delivered for farmers. Dr. S.N. Rokde, PS & Head, KVK, ICAR-CICR, Nagpur coordinated the training programme.

Online training on the occasion of World Bee Day

In connection with World Bee Day, Krishi Vigyan Kendra, ICAR-CICR, Nagpur organized an online training program on Beekeeping, opportunities and supplementary business for farmers on 20th May 2021. A total of 52 farmers, students and employees from various departments working in the field of agriculture in Nagpur district were present in this online training program. Dr. Rachna Pandey, Sr. Scientist (Agricultural Entomology), ICAR-CICR, Nagpur shared detailed information to the farmers about the rearing of bees, and resources required for bee keeping. Subject Matter Specialist from KVK, ICAR-CICR, Nagpur viz. Dr. Ulhas Galkate, Mrs. Sunita Chavan, Dr.

Subhash Patil, Dr. Sachin Wankhede and field manager Dr. Pundalik Deulkar as well as, Shri. Praveen Ambade, Kamlakar Chaple, Abhishek Paturkar, Amol Raghorte, Prashant Gaikwad, Jaysree Khobragade, Sachin Raghtate and other colleagues were present.

World Milk Day celebrated

World Milk Day is celebrated on 1st June and the concept for 2021 was animal health and productivity. An awareness programme on "Animal Health and Productivity" was organized by KVK, ICAR-CICR, Nagpur through google meet for farmers. Dr. Y. G. Dr. Prasad, Director, ICAR-CICR, Nagpur chaired the program. The Chief Guest of the programme was Dr. Lakhan Singh, Director, ICAR-ATARI, Pune. Dr. Rokde, PS & Head, KVK, ICAR-CICR, Nagpur and Dr. Ulhas Galkate, Subject Specialist (Animal Department) delivered lectures. Dr. Sachin Wankhede, Subject Specialist, Agricultural Meteorology, conducted the program and expressed his gratitude.

Balanced use of Fertilizers

In commemoration of 75th Year of India Independence (Azadi Ka Amrut Mahotsav), online farmer awareness campaign and various technical sessions were organized for the farmers on "Balanced Use of Fertilizers" by Krishi Vigyan Kendra & ICAR-CICR, Nagpur through Google Meet online video meeting platform on 18th June 2021. On the occasion, Dr. Y. G. Prasad, Director, ICAR-CICR, Dr. Lakhan Singh, Director, ICAR, ATARI-VII, Pune and, Heads of the Divisions, ICAR-CICR were prominently present. Technical sessions on importance of Balanced use of Fertilizers, judicious use of fertilizers using 4 R's Approach, collection and analysis of soil sample and use of soil health card in Fertilizer Management were given by experts of ICAR-CICR. Twenty five farmers of Umred and Kalmeshwar Tahsil were present personally and 50 farmers joined online in this training programme. Information regarding organic manure making, vermi-compost, composting was given to the farmers and demonstration units were shown to them.



Scientific Advisory Committee Meeting

Twenty-sixth Scientific Advisory Committee Meeting of KVK, ICAR-CICR, Nagpur was held on 4th June 2021. Dr. Y.G. Prasad, Director, ICAR-CICR, Nagpur chaired SAC meeting and Dr. Lakhan Singh, Director, ICAR, ATARI-VII, Pune was the Chief Guest. Representatives of different line departments and progressive farmers also joined on-line SAC meeting.



Input distribution

Food processing equipment

Under Innovative ARYA (Attracting and retaining rural youth



in Agriculture) initiative KVK ICAR-CICR, Nagpur identified and imparted skill training to groups of rural youth below 35 years in processing and value addition of agricultural produce on 15th June 2021. The rural youth were provided processing equipment support for starting and strengthening of enterprise. Automatic Sugarcane juicer, Custard Apple Pulper, Deep Freezer and Chilly Pulvarizer were distributed to four rural youth groups viz. Tirupati Santra / Sugarcane Utpadak shetkari samuh, Taj Shetkari Swayam Sahayata Gat, Surekha Mahila Bachat Gat and Saraswati Mahila Bachat Gat respectively.

New varieties of Turi

New Variety of Turi, BDN-716 was distributed to farmers and through the National Food Security Mission. Fifty farmers from Muradpur and Surabardi villages were benefitted.



Online Workshops / Webinars / Meetings Attended

Dr. S.N. Rokde, PS and Head, KVK ICAR-CICR, Nagpur attended 23 meetings and workshops in different events.



Lecture Delivered

1. Smt. Sunita Chauhan delivered a lecture on "Processing techniques of soybean for supplementary income" to the state Level Agriculture Officers, Agriculture Supervisors And Assistant of Vidarbha region in RAMETI on 13th May 2021.
2. Smt. Sunita Chauhan delivered a lecture on "Nutrition Garden for Nutritional Sustainability" to two hundred ten beneficiaries registered under Mahila Annasurksha Gat of ATMA, Nagpur on 21st September 2021.

Training Programme

1. Dr. S.S. Patil, SMS (Agril. Extension) KVK, ICAR-CICR, Nagpur organized one day On-Campus training on "Integrated Pest Management in Soybean" under CFLD oilseed programme on 9th July 2021. Fifty five CFLD farmers attended this training programme.
2. Dr. U.V. Galkate, SMS, KVK, Nagpur organized one day Off-Campus training programme on "Scientific management of goats" at village Bothali, Tah-Umred, Dist.-Nagpur on 2nd September 2021. Twenty five farmers and farmwomen attended this training programme. inputs like mineral lick blocks and mineral mixture was distributed to the farmers on this occasion.

Personnel

S. No.	Name of the employee	Post	Place of Posting/Joining	Date of Transfer/Joining
Inter-Institutional Transfer				
1	Sh. Homraj R. Mundafale,	Technical Assistant, T -3	From ICAR-CICR RS, Coimbatore to ICAR-CICR, Nagpur	16.06.2021
2	Dr. Deepa Lal,	SMS (Horticulture), T -6,	ICAR-CICR, Nagpur	25.06.2021
	Smt. Jayavaram Gnana Prasuna,	Technical Assistant, T -3	From ICAR-CICR RS, Coimbatore to ICAR-IIOR, Hyderabad	30.06.2021
Promotion				
1	Smt. DN Gudhane	Assistant, ICAR-CICR, Nagpur	Promoted to the post of AAO	01.05.2021
2	Sh. Vijay M. Waghmare,	UDC, ICAR-CICR, Nagpur	Promoted to the post of Assistant	26.06.2021
Regularization				
1	Sh. Kishore Barahate		Nagpur	25.05.2021
2	Smt. Sulochana Tekam		Nagpur	04.06.2021
3	Sh. Damodhar R. Patil		Nagpur	11.06.2021
4	Sh. Subhash R. Mankar		Nagpur	11.06.2021
5	Sh. Haridas Khondbaji Dange		Nagpur	22.07.2021
6	Smt. Bebibai Suryabhan Parate		Nagpur	23.07.2021
7	Sh. Ashok Keshavrao Wankhede		Nagpur	23.07.2021
8	Sh. Anil Bhiwaji Barahate		Nagpur	13.08.2021
9	Sh. Kishor Pralhad Bondade		Nagpur	01.09.2021
10	Sh. Ankush Vithoba Chaudhari		Nagpur	01.09.2021
11	Smt. Chhaya Rambhau Ganorkar		Nagpur	01.09.2021
12	Sh. Damodar Santosh Chinurkar		Nagpur	01.09.2021
13	Sh. Arun Wadguji Thool		Nagpur	01.09.2021
14	Sh. Vija y Shyam Mogre		Nagpur	01.09.2021
15	Sh. Indrapal Raghunath Dhakne		Nagpur	03.09.2021
16	Sh. Narendra Singh		Sirsa	
17	Smt. Guddi W/o Sh. Chander Ram		Sirsa	
18	Sh. Ishwar Dutt		Sirsa	
19	Sh. Ram Avatar S/o Mool Chand		Sirsa	
20	Sh. RadheyShyam		Sirsa	
21	Sh. Anil Kumar		Sirsa	
22	Sh. Gurmeet S/o Sh. Ramkisan		Sirsa	
23	Sh. Subash Chander		Sirsa	
24	Smt. Kesro W/o Sh. Gurmeet		Sirsa	
25	Sh. Sharwan Kumar S/o Sh. Chandra Ram		Sirsa	
26	Sh. Rajender Kumar S/o Sh. Bishambhar Lal		Sirsa	
27	Smt. Kamla W/o Sh. Ram Chander		Sirsa	
28	Sh. Deepak Kumar S/o Sh. Nand Lal		Sirsa	

Retirements				
Technicals				
S. No.	Name of the Employee	Post	Place	Month
1	Sh. Rajendra Kumar Lokhande	CTO, T-9	ICAR-CICR, Nagpur	June, 2021
Administration				
2	Smt. DN Gudhane	AAO	ICAR-CICR, Nagpur	August, 2021
Supporting Staff				
3	Sh. Bathran Palaniappan	SSS	ICAR-CICR RS, Coimbatore	April, 2021
4	Sh. Ram Chander	SSS	ICAR-CICR RS, Sirsa	May, 2021
5	Smt. Sindubai Sayam	SSS	ICAR-CICR, Nagpur	May, 2021
6	Smt. Chandrakala Kodape	SSS	ICAR-CICR, Nagpur	May, 2021
7	Sh. Rewa Shankar Wagde	SSS	ICAR-CICR	June, 2021
8	Sh. Narendra Barahate,	SSS	ICAR-CICR, Nagpur	June, 2021
9	Sh. Moreshwar Wagde	SSS	ICAR-CICR, Nagpur	June, 2021
10	Smt. Panchasheela Dubdube	SSS	ICAR-CICR, Nagpur	July, 2021
11	Smt. Babiba i Parate	SSS	ICAR-CICR, Nagpur	August, 2021

Remembrance

Staff of ICAR-CICR remember and pay tributes to the following employees who left us soon

1. Sh. EAM Ismail, AAO, ICAR-CICR, Nagpur expired on 14th April 2021
2. Sh. NR Tandulkar, CTO, T-9, ICAR-CICR, Nagpur expired

on 16th April 2021

3. Smt. Shakuntala Bagde, SSS, ICAR-CICR, Nagpur expired on 17th April 2021
4. Sh. Mahinder Singh, Skilled Support Staff of ICAR-CICR Regional Station, Sirsa on 22nd August, 2021.

Media coverage

Lokmat Times 21/7/2021

Adopt sustainable practices in cotton cultivation: Dr Prasad

LOKMAT NEWS NETWORK
NAGPUR, JULY 20

Indian Council of Agricultural Research (ICAR), New Delhi launched a tree plantation drive across the country with a mission to plant 10 lakh trees to commemorate 75 years of Independence of the country (Azadi Ka Amrut Mahotsav) and 93rd foundation day of ICAR.

ICAR-CICR, Nagpur joined the nation-wide campaign by taking up plantation drive on Panjari research farm.

In the first phase, seventy-five saplings of fruit and medicinal plants were planted.

ICAR-CICR also organised a virtual conference under the theme "Atmanirbhar Krishi" (self-reliant agriculture). Former agriculture commissioner, Dr C D Mayee (ASRB) was the chief guest and addressed farmers to boost cotton productivity for higher profitability.

Director of CICR Dr Y G Prasad urged the scientists and other staff of the institute to expand the mission of tree plantation to all adopted villages under 'Mera Gaon Mera Gaurav' (My Village My Pride), Tribal Sub-Plan and Scheduled Caste Special Component Plan (SCSP) with farmers' participation.

Dr Y G Prasad emphasised on adoption of sustainable practices in cotton cultivation for reducing cost of cultivation.

Head of KVK, Nagpur Dr Sunil N Rokde organised the online interaction meet with farmers.

Heads of divisions, scientists and staff of CICR and KVK were also present on the occasion.

ICAR-CICR PLANTS 75 SAPLINGS OF FRUITS, MEDICINAL VALUE



Staff of ICAR-CICR during the tree plantation drive on CICR Panjari research farm.

The Hitavada, 19 July 2021

CICR bags 'Rajarshi Tandon Rajbhasha Puraskar'

■ Staff Reporter

THE city-based ICAR institute - Central Institute for Cotton Research (CICR) - has bagged ICAR Award 'Rajarshi Tandon Rajbhasha Puraskar' for the year 2019-20. The award ceremony took place on virtual platform.

Nagpur-based ICAR-CICR bagged 'Rajarshi Tandon Rajbhasha Puraskar' for the year 2019-20 for commendable performance in use of Hindi. This is the third consecutive year the Institute has received this award given in recognition of the outstanding efforts on use of Hindi language by conducting frequent workshops, creating awareness on use of 'Rashtrabhasha' in official communications, etc.

Narendra Singh Tomar, Union Minister of Agriculture and Farmers' Welfare, presented 16 ICAR Awards in four major categories on the occasion of 93rd Foundation Day of ICAR, in a virtual programme. An innovative integrated information dissemination system 'Kisan Sarathi' to serve as an on-line Agricultural Technology Platform was launched on the occasion.

Parshottam Rupala, Union Minister of Fisheries, Animal Husbandry and Dairying, and Vice-President of ICAR; Ashwini Vaishnav, Union Minister of Railways, Communications & Information Technology; Kailash Choudhary, Shobha Karandlaje, Union Ministers of State for Agriculture and Farmers' Welfare; Dr Trilochan Mohapatra, Secretary (DARE) and Director General of ICAR, were the guests of honour. The dignitaries virtually felicitated institutions, scientists and farmers and conferred awards. Among 50 farmers honoured, 12 were women.

The Hitvada, 23 September, 2021

ICAR-CICR holds 'Poshan Vatika Maha Abhiyan'

■ Staff Reporter

ICAR-Central Institute for Cotton Research (ICAR-CICR) conducted 'Poshan Vatika Maha Abhiyan' and one-day workshop on Integrated Pest and Disease Management in Cotton under the Scheduled Caste Sub-Plan at Dhurkheda village in Umred Tahsil recently.

Dhurkheda village is the adopted village under 'Mera Gaon Mera Gaurav' programme, on September 17, 2021. Scientists from various disciplines of CICR Nagpur and officials from state agriculture department participated in the workshop.

The 'Poshan Vatika Maha Abhiyan' was inaugurated by the Minister of Agriculture, Government of India, Narendra Singh Tomar which was broadcast to the farmers through Live Webcasting.

Dr Shailesh Gawande, Scientist, Plant Pathology in his introductory speech, guided the farmers on the importance of



Scientists and officials during 'Poshan Vatika Maha Abhiyan'.

coarse grains/millets in their diet and informed the farmers about its benefits. Dr S M Wasnik, Principal Scientist, Agricultural Extension and Nodal Officer, Scheduled Caste Sub-Plan, apprised the farmers about the technologies developed by the institute as well as about the CICR-Cotton App and e-voice message system available for information and urged the farmers to register their phone numbers to receive e-voice messages

regarding advisories for cotton cultivation.

Later in the technical session, Dr Vivek Shah, Entomologist, provided guidance on integrated management of cotton sucking pests and bollworm. Dr Dipak Nagrale, Scientist, Plant Pathology, gave detailed guidance to the farmers on the causes of boll rot occurring over the last few years and their integrated management strategies.

Dr Neelkanth Hiremani, deliv-

ered the talk on identification and management of leaf spot diseases of cotton. Dr Shailesh Gawande delivered lecture on safe handling of pesticides and urged the farmers for strict adherence of label claim.

Dr Jayant Meshram, Principal Scientist, briefed the farmers on the management of Para wilt and leaf reddening in cotton. Dr Sunil Mahajan, Principal Scientist, Seed Technology, gave information about the inclusion of nutritious millet based food in the daily diet, presented samples of various nutritious millets and convinced the importance of millets to the farmers.

Dr Saravanan Scientist, Plant Breeding, introduced indigenous varieties of cotton developed by the ICAR-CICR.

The programme was coordinated by Dr Shailesh Gawande and Dr Neelkanth Hiremani proposed a vote of thanks. Akshay Kamble, Ashwin Meshram and Vijay Gaikwad also worked hard for success of the programme.

Lokmat Times, 23.6.2021

Use soil health cards for better nutrient management: Prasad

LOKMAT NEWS NETWORK
NAGPUR, JUNE 22

In commemoration of 75th year of Independence (Azadi Ka Amrut Mahotsav) online farmers' awareness campaign and various technical sessions were organised on balanced use of fertilisers by Krishi Vigyan Kendra and ICAR-CICR, Nagpur through online video platform recently.

On the occasion, director, of ICAR-CICR Dr Y G Prasad, director, ICAR, ATARI-VII, Pune, Dr Lakhan Singh, head, crop production division of ICAR-CICR, Nagpur, Dr Blaise Desouza and head of KVK ICAR CICR, Dr Sunil N Rokde along with the scientists of CICR were also present in the meeting.

At the outset, Dr Y G Prasad, stressed balanced use of fertilizers by farmers to reduce cost of cultivation and stop further degradation of soil in



A dignitary addressing a session on the balanced use of fertilisers organised Krishi Vigyan Kendra and ICAR-CICR, Nagpur.

order to increase productivity of cotton and other crops.

He highlighted usefulness of soil testing lab at KVK for testing soil and issuing soil health cards for better soil nutrient management.

Chief guest Dr Blaise Desouza advised farmers to use recommended dose of fertilisers and max-

imise the usage of farm yard manure, vermicompost, biofertilizers etc to retain the fertility of soil.

Introductory remarks were presented by Dr Sunil N Rokde.

He focussed on soil testing every three years and following soil health cards for correct application of fertilisers on recommendations given in soil health

cards by experts.

Later on technical sessions on importance of balanced use of fertilizers, using 4 Rs approach, collection and analysis of soil sample and use of soil health card in fertilizer management were given by scientist (Agronomy), ICAR-CICR, Nagpur, Dr Ramakrishna G I, senior technical assistant, ICAR-CICR, Nagpur, Rachna Deshmukh, scientist (Soil Science and Agricultural Chemistry), Dr A. Manikandan, ICAR-CICR, Nagpur. Vote of thanks was proposed by Dr Subhash S Patil.

Twenty five farmers of Umred and Kalmeshwar tehsil were present physically and 50 farmers joined online in this training programme.

Information regarding organic manure making, vermicompost, composting was given to the farmers and demonstration units were shown to them.

परेशानी

सर्ब के दौरान जीट, हिसार, पिवानी, घरखीटदरी, महेंद्रगढ़ और सिरसा के गांवों में गुलाबी सुंडी का प्रकोप देखा गया

कपास में गुलाबी सुंडी को लेकर एडवाइजरी जारी

जेट शीट लेट-किसान

प्रदेश में गुलाबी सुंडी के दस्तक देने पर केंद्रीय कपास अनुसंधान केंद्र सिरसा ने एडवाइजरी जारी कर दी है। जिसके तहत किसानों को फेरोमोन ट्रेप लगाने व समय समय पर कपास की फसल का निरीक्षण करने के लिए निर्देश दिए गये हैं। कपास की हरियाणा, पंजाब व राजस्थान क्षेत्र में करीब 11 लाख हेक्टेयर क्षेत्र में बिजुई की गई है।

सर्ब के दौरान पिवानी गुलाबी सुंडी: केंद्र की बुनियादी ढांचे को टॉम ने हाल ही में हरियाणा प्रदेश में कपास की फसलों में सर्वेक्षण किया। इसी के साथ किसानों से मिली जानकारी के अनुसार प्रदेश में कपास उत्पादन के अधीन जीट, हिसार, पिवानी, घरखीटदरी, महेंद्रगढ़ व सिरसा के गांवों में गुलाबी सुंडी का प्रकोप देखा गया है, जो कि अधिकतम नुकसान स्तर से ऊपर है। वर्ष

बचाव के लिए ये करें किसान

केंद्र के निदेशक ने एलके वर्मा ने कहा कि कपास की फसल में गुलाबी सुंडी से बचाव को लेकर एडवाइजरी जारी की गई है। जिससे लेकर गुलाबी सुंडी के प्रकोप की निगरानी व निरीक्षण के लिए फेरोमोन ट्रेप प्रति एकड़ की दर से लगाने। गुलाबी सुंडी से प्रभावित क्षेत्रों में बिजुई, फुल सोटी व फुल अदि को एकत्रित कर नष्ट कर दें। जहां भी गुलाबी सुंडी का प्रकोप हो वहां पर कपास की बीजों के 90 से 120 दिन के बीच में अंडा परखीट ट्राईकोथाम के 6000 अंडे प्रति एकड़ के हिसाब से छोड़े। समय की अंतिम बिजुई के बाद क्षेत्र में बचे अण्डयुक्त व कपास टिंटों को नष्ट करने के लिए क्षेत्र में बेह, बकरी अदि जानवरों को चरने दें।



किसान समय पर करें छिड़काव

कपास की फसल 60 दिन की होने पर गेहूँ केम का तेल 400 मिली लीटर, कपाई सोने का पाउडर एक घन प्रति एक लीटर घनी के हिसाब में छोल बनाकर छिड़काव करें। बीजों के 61 से 120 दिन बाद फांसे-नेपाल 50 ईसी 500 मिलीलीटर या इमिप्रोविटन के 50 एसी 100 घन या सफेद-नेपाल 20 ईसी 500 मिली लीटर या कपुल-नेपाल 20 एएक 500 मिली लीटर या बीजोसिड 75 एएक 400 घन या इमिप्रोविटन 14.5 ईसी 200 मिलीलीटर प्रति 200 लीटर घनी में छोल बनाकर प्रति एकड़ छिड़काव करें। कपास की फसल 121 से 150 दिन की हो जाने पर कपास-नेट 20 ईसी 200 मिली लीटर या साइप्रोथेनिन 10 ईसी 200 मिली लीटर या लेमडा साइप्रोथेनिन 5 ईसी 200 मिलीलीटर प्रति 200 लीटर घनी में छोल बनाकर प्रति एकड़ छिड़काव करें।

कपास की फसल में सर्ब का प्रकोप देखा

जिससे यह देखा है कि प्रदेश के कई जिलों में गुलाबी सुंडी का प्रकोप गुरु हो गया है। कपास की फसल में गुलाबी सुंडी को लेकर एडवाइजरी जारी कर दी गई है।
- डा. एलके वर्मा, निदेशक, केंद्रीय कपास अनुसंधान केंद्र सिरसा

2018-19 के दौरान गुलाबी सुंडी का प्रकोप केवल कपास जैसिन मोलों व के अलावा देखा गया था। इस बार का अपने क्षेत्र में लग रहा है, वहां प्रकोप केवल कपास जैसिन मोलों व इन मोलों से दूर खसखस किसानों में पूरा भी गुलाबी सुंडी का प्रकोप जल्द फैलने से डर किसानों को चले मोलों चिठले साल की कपास की लकड़ियों देखने की मिल है।

Sakal Agro-One, 9 June 2021

सुधारित कापूस लागवडीवर संशोधन संस्थेतर्फे मार्गदर्शन

तज्ञांदारे विविध विषयांवर शेतकऱ्यांशी ऑनलाइन पद्धतीने चर्चा

ऑनलाइन चर्चा



कापूस : केंद्रीय कापूस संशोधन संस्था, नागपुर आणि डॉ. हेमराज सेठ सिरसी अर्थात कुंभ विमान केंद्र, मंदुवाक यांच्या संयुक्त विद्यमाने मंदुवाक विद्यापीठात कापूस उत्पादन शेतकऱ्यांसाठी ऑनलाइन चर्चासत्रात सुधारित कापूस लागवड तंत्रिका प्रविष्टी करून देण्यात आली आहे. यावेळी केंद्रीय कापूस संशोधन संस्थेच्या तज्ञांदारे विविध विषयांवर शेतकऱ्यांना ऑनलाइन व चर्चासत्रे किंवा ऑनलाइन चर्चासत्रे आयोजित आहेत.

उपस्थित होती. कार्यक्रमाच्या सुरुवातीला डॉ. नितीश शर्मा यांनी कापूस लागवडीवर सुरुवात करून देण्यात आली. यावेळी केंद्रीय कापूस संशोधन संस्थेच्या तज्ञांदारे विविध विषयांवर शेतकऱ्यांना ऑनलाइन व चर्चासत्रे किंवा ऑनलाइन चर्चासत्रे आयोजित आहेत.

डॉ. विजय शिरसा, प्रमुख शाखा (अनुसंधान) यांनी कापूस उत्पादकांसाठी सुधारित मार्गांवर चर्चा व डॉ. वी.एस. नरपते, प्रमुख शाखा (कीटनास) यांनी गुलाबी बोंबखोराचे एकत्रित उत्पादन यावर चर्चासत्रे केले. तसेच,

30 अगस्त 2021

कापूस उत्पादनासाठी रोगाचे व्यवस्थापन गरजेचे- डॉ. प्रसाद

मंदुवाक (प्रतिनिधी) - बांगण्या कापूस उत्पादनासाठी गुलाबी बोंबखोरा व बोंबखोरा रोगाचे व्यवस्थापन करणे गरजेचे आहे. योग्य व्यवस्थापन व कापूस लागवडीवर शेतकऱ्यांना सुधारित मार्गांवर चर्चासत्रे आयोजित आहेत. यावेळी केंद्रीय कापूस संशोधन संस्थेच्या तज्ञांदारे विविध विषयांवर शेतकऱ्यांना ऑनलाइन व चर्चासत्रे किंवा ऑनलाइन चर्चासत्रे आयोजित आहेत.

Sakal Agroone, 9 May 2021

कापूस लागवडीत वाढ शक्य

केंद्रीय कापूस संशोधन संस्थेच्या तज्ञांदारे अंदाज

विशेष प्रति. विशेष प्रति



कापूस : केंद्रीय कापूस संशोधन संस्था, नागपुर आणि डॉ. हेमराज सेठ सिरसी अर्थात कुंभ विमान केंद्र, मंदुवाक यांच्या संयुक्त विद्यमाने मंदुवाक विद्यापीठात कापूस उत्पादन शेतकऱ्यांसाठी ऑनलाइन चर्चासत्रात सुधारित कापूस लागवड तंत्रिका प्रविष्टी करून देण्यात आली आहे. यावेळी केंद्रीय कापूस संशोधन संस्थेच्या तज्ञांदारे विविध विषयांवर शेतकऱ्यांना ऑनलाइन व चर्चासत्रे किंवा ऑनलाइन चर्चासत्रे आयोजित आहेत.

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