



Vol. 34 - Issue 03

July - Sept. 2020

ICAR-CICR Newsletter

ICAR-CENTRAL INSTITUTE FOR COTTON RESEARCH, NAGPUR

An ISO 9001:2015 Certified Organisation

Director's Message

With dreaded corona virus continuing its infectious journey, life in the entire world has taken a new normal. Till a cure through vaccine is commercially available, we need to move forward with all necessary precautions. Pandemic has transformed people to be innovative and self creative. It is worth to mention here that Hon'ble PM has strongly urged citizens to be "Atmanirbhar" in other words, be self reliant / self confident which needs to imbibe in our professional and personal life. We should be happy that Agriculture is slowly gaining its relevance to the national economy and this is the only sector to grow in Gross Domestic Product (GDP) for April-June 2020. The RBI estimates showed that agriculture in 2019-20 recorded a real growth of 4.0 per cent accounting for 15.2% of the overall economic growth surpassing the industrial sector's contribution of 4.7%. Reverse migration of laborers to their villages and the uncertainty of future livelihood have forced many to invest back on agriculture. There has been an increase in the cotton cultivated area this year which along with surplus rain, shall definitely boost cotton production. At the same time, we are expected to be more responsible towards welfare of our fellow farmers by providing necessary measures to enhance productivity. The Institute organized various farmer oriented trainings / workshops during the quarter through video conferencing with an objective of creating awareness and preparedness to combat biotic and abiotic stress in the early cotton crop. Proper utilization of our gained knowledge and an innate desire to work hard and excel shall surely bring progress.



(V. N. Waghmare)
Director



Sh. Sunil Kedar, Cabinet Minister for Animal Husbandry, Dairy Business Development, Sports and Youth welfare, Maharashtra State interacting with Dr. V.N. Waghmare, Director and staff of ICAR-CICR, Nagpur during his visit to the Institute on 24th August 2020

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Events

Independence Day

The 74th Independence Day was celebrated on 15th August, 2020 at ICAR-CICR, Nagpur and its Regional Stations, Coimbatore and Sirsa. At Nagpur, Director, Dr. V.N. Waghmare hoisted the National flag, at Coimbatore it was hoisted by Dr. K. Rathinavelu, Principal Scientist and Incharge - Project Coordinator and at Sirsa, Dr. O.P. Tuteja, Head of the Station hoisted the National flag. As per the G.O.I. directives due to COVID-19, only few staff members at each center participated. In his address at Nagpur, Director paid remembrance to all the martyrs who laid their lives for the noble cause of freedom from British rule and also mentioned the contributions of one and all involved in the mission for independence. He emphasized the

need of hard work to make India faster growing and self independent economy.



Nagpur



Coimbatore



Sirsa

150th Mahatma Gandhi's Birth Anniversary

A week-long programme on the eve of 150th birth anniversary of Mahatma Gandhiji was started at ICAR-CICR, Nagpur from 28th September to 02nd October 2020 by following SOP prescribed by MHA in connection with COVID-19 virus. The programme was inaugurated by Dr. V.N. Waghmare, Director, ICAR- CICR, Nagpur on 28th September 2020. Various programmes such as quiz competition on Gandhiji's life, essay competition on Gandhiji's Swadeshi movement, painting competition on Dandi Yatra and lectures on Gandhian Philosophy were organised by staff welfare and recreation committee in collaboration with Hindi cell of the institute. All the staff including Scientific, Technical, Skilled Supporting Staff and Contractual participated in all the events. On 1st October, lectures were arranged in which Dr. Nandini Gokte Narkhedkar, I/c Head Division of Crop Protection, Dr. S.M. Wasnik I/c Head Krishi Vigyan Kendra, Sh. A.A. Goswami, Senior Administrative Officer and Dr. Mahendra kumar Sahu Assistant Chief Technical Officer (Rajbhasha) spoke on Gandhian Philosophy. The concluding session and prize distribution programme was conducted on

2nd October under the Chairmanship of Director ICAR-CICR and certificates were distributed to the winners. The concluding programme was co-ordinated by Mr. Ghanashyam Deogirkar and Dr. Shailesh Gawande proposed the vote of thanks.



Meetings / Workshops held

Joint Steering Committee Meeting of CSIR & ICAR

The 2nd Joint Steering Committee Meeting of ICAR & CSIR was held in virtual mode on 8th September 2020 under the Co-Chairmanship of Dr T. Mohapatra, Secretary DARE & DG,

ICAR and Dr Shekhar Mande, DG & Secretary CSIR to review the action taken report (ATR) on the recommendations made during 1st Joint Steering Committee Meeting and to decide future

course of action. All DDGs of ICAR and prominent officials from CSIR attended the meeting. Dr S.P. Kimothi, ADG (Coordination), ICAR welcomed all the participants. Both DGs in their opening remarks stressed the need to work in collaboration. Dr R.K. Singh, ADG (CC), ICAR presented ATR on the recommendations made during 1st Joint Steering Committee Meeting. Dr S.K. Barik, Director NBRI, Lucknow presented on future activities on cotton mission and Aroma mission. Dr V.N. Waghmare, Director ICAR-CICR, Nagpur made presentation on the work done on bioefficacy of Tma12,

Pheromone application technology (PAT) and evaluation of cotton picker. Dr Pankaj Rathore made presentation on evaluation of Tma12 and other events at PAU Ludhiana. In the discussion both the DGs advocated to go ahead with 2nd year study. The DG, ICAR suggested to finalize uniform protocol by CICR-NBRI-PAU for evaluating Tma12. On PAT it was suggested to evaluate at multiple locations. Other scientists present from ICAR-CICR were Dr. Nandini Gokte-Narkhedkar, Dr. D. Blaise, Dr. Rishi Kumar, Dr. V.S. Nagrare, Er Gautam Majumdar, Dr Dipak Nagrale and Dr Babasaheb Fand.

IRM Orientation Workshop

ICAR- CICR, Nagpur organized Orientation Workshop of the project “Insecticide Resistance Management (IRM): Dissemination of Pink bollworm Management Strategies” on 9th July 2020 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 V.N. Waghmare, Director, ICAR-CICR, Nagpur chaired the workshop. ICAR-CICR, Nagpur is the nodal agency to implement the project through 10 State Agricultural Universities and 3 Krishi Vigyan Kendras. The project is aimed at dissemination of Pink bollworm management strategies in Bt cotton in eight cotton producing states viz., Maharashtra, Gujarat, Madhya Pradesh, Andhra

Pradesh, Telangana, Karnataka, Tamil Nadu and Haryana covering 21 districts in an area of 1050 acres. Preparedness for implementation of the project in the current crop season was discussed at length. Dr V.S. Nagrare, Principal Scientist & Principal Investigator of the Project, Dr Nandini Gokte-Narkhedkar, Head I/c, Crop Protection Division, Dr S.M. Wasnik, Principal Scientist (Ag Extension), Dr V. Chinna Babu Naik, Scientist (Ag Entomology), Dr Shailesh Gawande, Scientist (Plant Pathology), Dr Dipak Nagrale, Scientist (Plant Pathology), Dr Babasaheb Fand, Scientist (Ag Entomology) from ICAR-CICR Nagpur and 21 district coordinators along with contractual manpower from 8 states participated in the Workshop.

E–Samwad on cotton crop cultivation

ICAR-CICR, Nagpur organized E–Samwad on cotton crop cultivation involving Scientists- Agricultural officers–Farmers under the chairmanship of Dr V. N. Waghmare, Director, ICAR-CICR, Nagpur on 7th August 2020 through video conferencing. At the time, the cotton crop was 45 to 60 days old and in the square, flowers and boll bearing stage. The programme was intended to discuss on measures to avoid losses due to biotic and abiotic stresses. Scientists from ICAR-CICR, Nagpur viz. Dr G.I. Ramakrushna, Scientist (Agronomy) delivered talk on

fertilizers, water and weed management; Dr Vishlesh Nagrare, Principal Scientist (Entomology) talked on pest management, Dr Shailesh Gawande, Scientist (Plant Pathology) on disease management, Dr Siddharth Wasnik on E-Kapas and answered queries. Agricultural officers and farmers from Nagpur, Amravati, Nasik and Latur Divisions participated in the programme. Dr Nandini Gokte-Narkhedkar proposed vote of thanks.

Library Workshop

ICAR-CICR Library co-ordinated to arrange a Webinar on How to access and use Taylor and Francis journals organised by Taylor and Francis and CeRA on 16th September 2020 in which all the Scientists from the Institute participated.

The Library staff co-ordinated and arranged another Webinar on “Demonstration of Check-for-Plag” anti-plagiarism software developed by Infokart India Pvt Ltd on 25th September 2020, which was also attended by all Scientists of ICAR-CICR.

Farmer Trainings

Need based on-line technical training on sustainable cotton practices

At the behest of Better Cotton Initiative, ICAR-CICR, Nagpur conducted a need based, on-line technical training on sustainable cotton growing practices, to the field officials of its Implementing Partner, Cotton Connect during 5th-6th, August, 2020. About 80 field officials located in the cotton growing districts of Maharashtra and Gujarat participated in the on-line training. There were five technical sessions such as, Handling of re-emergence of pink bollworm in cotton by Dr. Vivek Shah; Soil health and its management for sustainable cotton production by Dr. M.V. Venugopalan; Nutrient management in cotton by Dr G.I. Ramakrushna; Management of sucking pest and minimizing the pesticide load by Dr. Rachna Pandey and

Safe handling of pesticides and elimination of cocktails of pesticides by Dr. Babasaheb Fand. From Cotton Connect, Mr. Hardeep Desai, Senior Director - Farm Innovations and Mr Hemant Thakre, Programme Integration Director, Maharashtra provided the logistics for video conferencing. From ICAR-CICR, Dr M.V. Venugopalan, Principal Scientist (Agron) and I/c PME Cell provided the technical coordination. The presentations were very well received by the participants and there were detailed discussions on each topic after each presentation. Senior officials from BCI and Cotton Connect, profusely thanked Dr V.N. Waghmare, Director, ICAR-CICR for facilitating this training.

On-line training on "e-Kapas/Communication"

ICAR- CICR, Nagpur organized on-line training on "e-Kapas / Communication" on 1st Sept. 2020 for co-ordinators and contractual manpower (SRFs/YPs) working under centrally sponsored project "Insecticide Resistance Management- Pink Boll Worm". Dr. V.N. Waghmare, Director ICAR-CICR, Dr. S.M. Wasnik, Principal Scientist Extension & Principal Investigator 'e-Kapas/Communication', Dr Vishlesh. S. Nagrare, Principal Scientist Entomology & Principal Investigator 'IRM-PBW', Sanjog Meshram, Director, Zappkode Solutions Ltd, Mumbai and Manprit Singh, Technical Engineer, Tube light Communications, Mumbai addressed the participants. Dr Waghmare in his inaugural speech highlighted the importance of outreach activities of ICAR-CICR for benefits of

various stake holders. Dr. Wasnik delivered talk on 'e-Kapas/Communication and Digital Initiatives' of ICAR-CICR, Dr Vishlesh Nagrare discussed about insect/pests status and solutions, Shri. Sanjog Meshram gave talk on ICAR-CICR Cotton App (Interactive) and Shri. Manprit Singh covered topic on Out Bond Diary (OBD) while sending voice messages to farmers. Around 48 participants including scientists from different centres, Senior Research Fellows and Young Professionals from Dr PDKV, Akola; VNMKV, Parbhani ; MPKV, Rahuri ; NAU, Navsari ; JAU, Junagadh ; RVSKVV, Gwalior, UAS, Dharwad ; UAS, Raichur ; PITSAU, Hyderabad; ANGRAU, Guntur; ICAR-CICR RS Coimbatore; CICR, Sirsa apart from CICR, Nagpur joined the on-line programme.

Training and Education on Timely management of Pink Bollworm

Dr V. N. Waghmare, Director and Dr Vishlesh Nagrare, Principal Scientist (Entomology) ICAR-CICR Nagpur were the key speakers of on-line 'Training and Education' on 'Timely management of Pink bollworm' which was organized for the field staff and farmers of Marathwada and Vidarbha region on 12th Aug 2020. Dr. Waghmare elaborated about current status of cotton and technologies developed by the Institute for the benefit of farmers. Dr Vishlesh Nagrare delivered talk in detail on Timely management of pink bollworm and answered the queries raised by participants. Shri Vikas Chandra Rastogi, IAS, Project

Director and Dr Vijay Kolekar (Agronomist) from Project on Climate Resilient Agriculture (PoCRA) also addressed the participants. The event was organized by Prof Venkat Shinde, Co-ordinator, Training & Education Dept., Krishi Vigyan Kendra, Sagroli, Dist. Nanded in association with PoCRA. KVKs of Parbhani, Washim, Jalgaon Jamod, Buldana, Aurangabad, Usmanabad, Yavatmal and Wardha were also associated with this event. A total of 267 participants had joined the on-line event.

Field training

One day farmer's awareness camp on management of cotton pests was organized under "Insecticide Resistance Management - Dissemination of Pink Bollworm Management Strategies" at Mangaon village of Tahshil Bhadravati, District Chandrapur on 28th August 2020. Information was given regarding implementation and role of pheromone traps in cotton field for monitoring of pink bollworm. The team distributed input kit including (Fonicamid 50 WG, Neem Oil, Chloropyrifos 25 EC

and Pheromone trap for PBW) along with leaflets of safe handling of insecticides and biological control of pests to farmers, especially for the proper management of pink bollworm. While visiting the farmers' fields, staff followed COVID-19 guidelines and SOPs. Dr V. Chinna Babu Naik, Senior Scientist (Entomology) and Dr Dipak T. Nagrale, Scientist (Plant Pathology) guided and coordinated the program.

Field Survey in North India

A team comprising Dr Rishi Kumar, Principal Scientist (Entomology), Dr S.K. Sain, Sr. Scientist (Plant Pathology), Dr Amarpreet Singh, Scientist Sr. Scale (Agronomy) from ICAR-CICR RS, Sirsa and Dr Vijender Chauhan, Asstt. Plant protection Officer, Department of Agriculture, Sirsa surveyed cotton fields in villages of Distt. Fatehabad and Sirsa. In *Gadli* and *Chuli Khurd* (Fatehabad), cotton was severely affected due to waterlogging, incidence of whitefly, nutrient stress, root rot

and parawilt. A very shallow root system was observed in the dried or near drying plants. Appearance of sooty mold due to higher incidence of whitefly was seen at 30 percent locations in these villages. At majority of the locations the whitefly population was above ETL and higher nymphal counts were recorded. Many farmers had applied N:P:K through foliar application. The basal application of nitrogenous fertilizer was below optimum. Due to fear of whitefly resurgence, majority of



the farmers surveyed had not applied proper nutrition to the cotton crop. For the management of whitefly, 4-5 sprays of insecticides were applied in mixtures. These insecticides/

fungicides/micronutrients mixture along with abiotic stress have lead to wilting in cotton.

Visit of Dignitaries

Shri Sunil Kedar

Shri Sunil Kedar, Cabinet Minister for Animal Husbandry, Dairy Business Development, Sports and Youth Welfare, Maharashtra state visited ICAR-Central Institute for Cotton Research, Nagpur on 24th August 2020. Dr Vijay Waghmare, Director, ICAR-CICR, Nagpur welcomed the minister and made presentation on research and development activities being carried out at the Institute. Dr Vishlesh Nagrare, Principal Scientist (Entomology) delivered talk on 'Pest management in Cotton' and answered the queries raised by the participants. Minister appreciated the work being carried out at the Institute and expected cooperation from ICAR-CICR on guidance to the farmers and suggested meetings/programs to be organized for farmers in collaboration with Zila Parishad, APMC and Agriculture department. Minister also visited 'Biotechnology' and 'Resistance monitoring' laboratories. Shri Manohar



Kumbhare, Vice-Chairman, Zila Parishad, Nagpur and Chairman, Constructions and Health Committee, Shri Tapeswar Vaidya, Chairman, Agriculture and Animal Husbandry, Zila Parishad Nagpur, Shri Ravindra Bhosale, Divisional Joint Director Agriculture, Nagpur division and Shri Milind Shende, District Superintendent Agriculture Officer, Nagpur along with 20 progressive cotton farmers were prominently present on this occasion. ICAR-CICR Scientists, Dr Nandini Gokte-Narkhedkar, Dr Siddharth Wasnik, Dr M. V. Venugopalan, Dr Chinna Babu Naik, Dr Dipak Nagrale, Dr Vivek Shah, Dr Rachna Pandey and Dr. Neelkanth Hiremani attended the meeting.

Dr. Vikas Mahatme

Padmashri Dr. Vikas Mahatme, Hon'ble Member of Parliament (Rajya Sabha) visited ICAR-CICR, Nagpur on 27th September 2021. During the visit he discussed with Director and Scientists of the Institute regarding organization of various awareness programme for farmers on Farm Laws, 2020.



Webinars/Meetings/Conferences attended

- Dr. V.N. Waghmare, Director, ICAR-CICR Nagpur, Dr A.H. Prakash, Project Coordinator, I/c, ICAR-CICR RS, Coimbatore, Dr. D. Blaise, Head, Crop Production Division, Dr. M.V. Venugopalan, In-charge, PME Cell, Dr Nandini Narkhedkar, Head, Crop Protection Division, Dr K Shankarnarayan, Principal Scientist and PI (Agronomy) and Dr Rishi Kumar, Principal Scientist & PI (Ag Entomology), Dr S.K.Sain, Senior Scientist & PI (Plant Pathology) participated in the meeting to discuss and standardize Proforma for identification of technology at Institute level and sponsoring in AICRP for evaluation and release of Technology through AICRP held on 04th August 2020
- Dr R.K. Singh, ADG (CC), Dr. V.N. Waghmare, Director, ICAR-CICR Nagpur, Dr V.S. Nagrare (Principal Scientist), Dr Pankaj Rathore, Director, Regional Station, Faridkot, PAU Bathinda. Dr P.K. Singh, Principal Scientist, NBRI, Lucknow, Dr Rishi Kumar, Principal Scientist & Principal Investigator (Entomology) attended a meeting for collaboration between ICAR and CSIR on Technology Mission on Cotton which was held on 14th August 2020
- The Director and Scientists from ICAR-CICR, Nagpur, Sirsa and Coimbatore attended a Zoom Meeting on 25th September, 2020 to commemorate the 150th Birth Anniversary of Mahatma Gandhi in which Dr. S.K. Chaudhary, DDG (NRM), ICAR was the guest speaker.
- Dr. Dipak Nagrale attended webinar-9 on "RNAi: Big Bang of Silence" organized by NECAB, ICAR - IARI, New Delhi on 26th August, 2020
- Dr. Dipak Nagrale attended webinar on "Drone Remote Sensing in Agriculture" organized by Indian Society of Agrophysics and Division of Agricultural Physics, ICAR-Indian Agricultural Research Institute, New Delhi on 9th September 2020
- Scientists from ICAR-CICR, Nagpur attended online webinar on "Check for plag" (check for plagiarism) organized for researchers of ICAR-CICR, held on 25th September 2020.
- Dr. Dipak Nagrale attended meeting for finalization of network program on "Precision Agriculture" held on 7th September 2020 which was chaired by Hon. DG. ICAR

- Dr. Savitha Santosh attended Webinar on Bioinformatic Analysis on Soil Microbial Community Sequence data organized by ICAR-IARI, New Delhi during 12-13th August 2020
- Dr. Savitha Santosh and Dr. Annie Sheeba attended the Webinar on “Halophytes for Alleviating Salinity Stress in Agriculture: Potentials and Problems Confirmation” organized by ICAR-NIASM, Baramati on 30th Sept., 2020
- Dr. H.B. Santosh, attended the webinar on Harnessing the wild rice resources and genomic tools for developing climate-resilient rice cultivars organized by AAU, Jorhat, Assam on 16th July, 2020
- Dr. H.B. Santosh attended the webinar on Future Perspectives in Agricultural Education Genetics Club and Post Graduate School ICAR- IARI, New Delhi 5th September, 2020
- Dr. H.B. Santosh attended the Project Meeting on Precision Agriculture – a mission project of ICAR organized by Dr. RN Sahoo Nanaji Deshmukh Plant Phenomics Centre, ICAR-IARI, New Delhi 5th September, 2020
- Dr. M. Saravanan and Dr. H.B. Santosh attended the Capillary Electrophoresis for Sanger Sequencing and Genotyping Applications in Agriculture Research organized by Thermo Fisher Scientific, Mumbai on 23rd September, 2020
- Dr. Valarmathi attended the IPS Webinar series 2020 organized by Indian Phytopathological Society (IPS), New Delhi from 14th July to 7th September, 2020.
- Dr. Valarmathi attended the five-day webinar series on “Research Article writing and publications-Advanced concepts” organized by IIFERP from 1st August to 2020 to 5th August 2020.
- Dr. Valarmathi attended the comprehensive virtual workshop on “ABC of scientific writing” organized by ICAR-NRRI, Cuttack from 18th August 2020 to 2nd September 2020.
- Dr. Valarmathi attended the webinar on “Advances in Plant Pathology with special reference to diagnosis and management” organized by Dr Y.S.R. Horticultural University, Andhra Pradesh on 16.09.2020.
- Dr. Valarmathi attended the webinar series on “150th Mahatma Gandhi Anniversary Webinar Series” on teachings of the Mahatma on agriculture, rural development, poverty alleviation and women empowerment organized by ICAR-NISAM, Baramati from 25th to 30th September 2020.
- Dr. Valarmathi and Dr. Annie Sheeba attended the webinar on “Farm Bills 2020: Understanding the implications” organized by ICAR- IARI, New Delhi on 26th September 2020.
- Dr. Valarmathi attended the webinar on the 150th birth anniversary celebrations of Mahatma Gandhi on “Gandhian Philosophy in the backdrop of Agricultural Transformation” organized by ICAR-Sugarcane Breeding Institute, Coimbatore on 30th September 2020.
- Dr. Amutha attended the webinar on Artificial Intelligence Tools: butterfly Experience organized by UAS, Dharwad on 19 September, 2020
- Dr. Amutha attended the webinar on Entomofauna, Ecosystem and Economics organized by ICAR-IARI, New Delhi on 28th September, 2020
- Dr. Annie Sheeba attended the National Webinar on Climate-Smart Integrated Farming System on 18th September 2020
- Dr. M. Saravanan attended the webinar on “Mainstreaming Biodiversity into Agriculture sector: Linkages among agrobiodiversity, nutrition, sustainable livelihoods and business opportunities organized by National Biodiversity Authority, Chennai and MSSRF, Chennai 18th August, 2020
- Dr. M. Saravanan attended the webinar on “Biodiversity and Biological Diversity Act 2002 organized by National Biodiversity Authority, Chennai & UNDP on 23rd September, 2020

Publications

Research Papers

- Nagrale, D.T., Gawande, S.P., Gokte-Narkhedkar, N., Waghmare, V.N. (2020). Association of phytopathogenic *Pantoea dispersa* innerboll rot of cotton (*Gossypium hirsutum* L.) in Maharashtra state, India. *Eur J Plant Pathol* 158, 251–260. <https://doi.org/10.1007/s10658-020-02071-0> (NAAS rating=7.74)
- Valarmathi, P. (2020). Antibiotics- Miracle Drugs as Crop Protectants: A Review. *Agricultural Reviews*. 41(1): 43-50. DOI: 10.18805/ag.R-1941 (NAAS: 4.37).
- Valarmathi, P. (2020). Emerging Plant Viruses in Cotton. *Journal of Pharmacognosy and Phytochemistry*. 9(4): 22-27. <https://doi.org/10.22271/phyto.2020.v9.i4Sa.11891> (NAAS: 5.21).
- Valarmathi, P. (2020). Host range studies of *Tobacco Streak Virus* infecting Cotton. *Annals of Plant Protection Science*. 28 (2): 147-150. doi: 10.5958/0974-0163.2020.00039.7 (NAAS: 4.82)
- Bhargavi, B. and Behera, U.K. (2020). Securing the livelihood of small and marginal farmers by diversifying farming systems. *Current Science*, 119 (5): 854-860.

Popular articles

- Shailesh Gawande, Dipak Nagrale, Neelakanth Hiremani (2020). Kapashitil akasmik mar rog niyantranasathi upayyojana. Sakal Agrowon, 29th August, 2020, pp: 11.
- Dipak Nagrale, Shailesh Gawande, Neelakanth Hiremani, Vijay Waghmare (2020). Kapashitil bonde sadanyavaril upayyojana. Sakal Agrowon, 1st September, 2020, pp: 11.
- Shailesh Gawande, Dipak Nagrale, Neelakanth Hiremani (2020). *Corynespora* burashijanya pananvaril thipke rogacha pradurbhav. Sakal Agrowon, 11th September, 2020, pp: 10.
- Valarmathi, P. 2020. Importance of Phenolic Compounds and

Disease Resistance in Crop Plants. AGROBIOS Newsletter. Vol. XIX (2): 64-65.

- Valarmathi, P. 2020. Fungicides to control root rot of cotton. AGROBIOS Newsletter. Vol. XIX (3): 99-100.
- Valarmathi, P. 2020. Copper fungicides and its mode of

action. AGROBIOS Newsletter. Vol. XIX (4): 114.

- Avinash, P. and Valarmathi, P. 2020. Cordyceps militaris: A Marvel Mushroom. AGROBIOS Newsletter. Vol. XIX (4): 59

Talks delivered

- Dr Vijay Waghmare, Director and Dr Vishlesh Nagrare, Principal Scientist (Entomology) ICAR-CICR Nagpur were the key speakers of online 'Training and Education' on 'Timely management of pink bollworm' to the field staff and farmers of Marathwada and Vidarbha region on 12th Aug 2020.
- Dr Vishlesh Nagrare delivered talk in a webinar on Pink bollworm management organized by RAMETI Nagpur on 14th August 2020 and answered the queries of farmers. About

35 participants from Nagpur and nearby districts joined the online event.

- Dr. Bhagyalakshmi gave a talk through an online webinar on the topic “HOW DO YOU WANT TO BE REMEMBERED” conducted by IMAYAM INSTITUTE OF AGRICULTURE AND TECHNOLOGY, Kannanur, Thuraiyur, Trichirappalli District, Tamil Nadu, India for undergraduate students under the course NSS 101 “National Service Scheme” on 29th August 2020.

Hindi Corner

Hindi Week

'Hindi Week was organized by ICAR-CICR during 14th-21st September, 2020. Dr. Blaise D'souza, I/c Director, ICAR-CICR, Nagpur lighted the lamp during inauguration. Dr. Mahendra Kumar Sahu, Assistant Chief Technical Officer, welcomed the officers and staff present on this occasion on behalf of the Official Language Implementation Committee of the Institute and briefed about various Hindi competitions (Hindi Essay Competition, Picture Based Story Writing Competition, Hindi Translation and General Knowledge Competition etc.) to be held under the 'Hindi Week Celebration'. ICAR-CICR staff including Scientists, Technical, Administrative and others participated in various events organized on each day. The Closing Ceremony was held on 24th September, 2020 which was chaired by Dr. V.N.

Waghmare, Chairman, Official Language Implementation Committee of the Institute & Director, ICAR-CICR, Nagpur. Dr. Blaise D'souza, Head, Crop Production Division, Dr. S.M. Wasnik, Principal Scientist and I/c KVK, Shri. A.A. Goswami, Senior Administrative Officer and Dr. Mahendra Kumar Sahu, Assistant Chief Technical Officer, ICAR-CICR, Nagpur were the keynote speakers. The Chairman addressed the audience and distributed cash prizes to the winning employees of various competitions. The program was efficiently conducted by Dr. Mahendra Kumar Sahu, Assistant Chief Technical Officer and vote of thanks was proposed by Shri A.A. Goswami, SAO, ICAR-CICR, Nagpur.



Hindi workshop

One day Hindi workshop for administrative and technical staff was organized on 12th September 2020 at ICAR-CICR, Nagpur under the chairmanship of Dr. S. M. Wasnik, Principal Scientist and Incharge, KVK, ICAR-CICR, Nagpur. Dr. Mahendra Kumar Sahoo, Hindi officer, ICAR-CICR Nagpur was the guest speaker for the session. The topic for the workshop was “Sahi Poshan: Desh Roshan”. In his inaugural address, Dr. Wasnik

mentioned that the responsibility of providing good nutritious food to the people of the country is mainly on the agriculture sector and agricultural scientists have a major role to play. Dr. Mahendra Kumar Sahoo, raised awareness about the correct and healthy nutrition which can increase the immune power of our body. Dr. Mahendra Kumar Sahoo took responsibility to conduct the workshop.

KVK Round up

On-line Farmers Training Series

An Online Farmers Training Series was organized by Krishi Vigyan Kendra, ICAR-CICR, Nagpur from 10th to 14th August, 2020 through the Google meet Mobile Application, at ICAR-Central Institute for Cotton Research, Nagpur. Members of State Agricultural Departments, farmers from Nagpur, Wardha, Nandurbar, Yawatmal, Washim, Buldhana, Akola, Amaravati, Beed, Aurangabad, Bhandara, Bilaspur, Chandrapur, Hingoli, Gadchiroli, Gondia, Guntur, Jalgaon, Jalna, Latur, Nashik, Osmanabad, Ratnagiri, Satara, Sangali, Solapur, Dhule districts, Agricultural students and KVK's staff attended online farmers training series.

The programme was inaugurated on 10th August, 2020 at the hands of Dr. V.N. Waghmare, Director, ICAR-CICR, Nagpur. While addressing the meeting, Director appreciated the efforts of KVK, Nagpur in conducting online training programme for farmers during such a pandemic situation. He asked the farmers to adopt technologies and take necessary measures in controlling various insect pest and diseases in agricultural crops as recommended by scientists of ICAR institutes and SAUs.

Dr. Siddharth M. Wasnik, Principal Scientist, Extension and Head, KVK, ICAR-CICR, Nagpur and Coordinator for organizing On-line Farmers Training Series in his introductory remarks gave details of Online Farmers Training Series organized from 10th to 14th August, 2020. He also shared that scientific information on crops like Cotton, Soybean, Citrus, Pigeonpea, Animal Husbandry, Vegetables etc. to be delivered by various scientists of CICR, CCRI, College of Agriculture, Nagpur.

Shri. Milind Shende, District Superintendent Agriculture Officer, Nagpur lauded KVK-CICR, Nagpur initiative of on-line training activities on various crops and suggested to include the topic on care to be taken during sprayings. The topics included fertilizer management in cotton crop (Dr. Ramakrishna G.I., Scientist, Agronomy), management of diseases of cotton crop (Dr. Dipak Nagarale, Scientist, Plant Pathology), management of sucking pests in cotton by Dr. Vishlesh Nagrare (Principal Scientist, Entomology), care to be taken during handling and

application of agrochemicals (Dr. Babasaheb Fand, Scientist, Entomology and Dr. Shailesh Gawande, Scientist, Plant Pathology) ICAR-CICR, Nagpur; Insect pest management in soybean (Dr. S.S. Patil, SMS, KVK-CICR), Insect pests management in Arhar and other *khariif* pulses crops (Dr. Rahul Wadaskar, Assistant Professor, College of Agriculture, Nagpur), Management of Osmanabadi Goat (Dr. Pundalik Deulkar, SMS, Veterinary science KVK, ICAR-CICR, Nagpur) and Management practices for animals during rainy season (Dr. Ulhas Galkate, Farm manager); Animal husbandry Schemes for farmers (Dr. Rajesh Wasnik, District Animal husbandry Officer, Gondia); Management of Orange and Sweet Orange Fruit Orchards (Dr. Ambadas Hucche, Principal Scientist, Horticulture, ICAR-CCRI, Nagpur); Management of Vegetable crops (Dr. R.P. Gajbhiye, Head, Department of Horticulture, College of Agriculture, Nagpur) and Management of Nutritional Garden (Mrs. Sunita Chauhan, SMS, Home Science, KVK, ICAR-CICR, Nagpur).

More than 700 farmers attended the on-line farmers training series from different districts. Dr. Sachin Wankhede, (SMS, Agrometeorology) and Prashant Gayakwad, (Agromet Observer) KVK, ICAR-CICR, Nagpur carried out pre-registration of farmers through google forms and instructed farmers to join daily. All SMS and other staff members of KVK, ICAR-CICR, Nagpur assisted in organizing the training series.



Celebration of Parthenium Awareness Week

Krishi Vigyan Kendra and ICAR-CICR, Nagpur observed 15th Parthenium Awareness and Eradication Week at its campus at Panjri farm from 16th to 22nd August 2020. Mass uprooting and cleaning programme was organized in the Institute premises



during the period. The event was monitored by Dr. S.M. Wasnik, Principal Scientist & Head, KVK with involvement of all the staff of KVK, ICAR-CICR. Dr. S.S. Patil coordinated the activities.



Rashtriya "POSHAN MAAH" celebration

Third Rashtriya Poshan Maah (National Nutrition Month) was celebrated countrywide from 1st-30th September, 2020. Krishi Vigyan Kendra, ICAR-CICR, Nagpur also celebrated Poshan Maah during 9th to 30th September, 2020 in collaboration with Women & Child Development Dept, Zilla Parishad, Nagpur. This programme was inaugurated on-line at the hands of Dr. V.N. Waghmare, Director, ICAR-CICR, Nagpur. In his address, he highlighted the nutritional deficiency and malnutrition especially in children. He stressed the need of consumption of locally available crops for balance diet and created awareness on benefits of including bio-fortified crops in daily diet. Dr. S.M. Wasnik, Principal Scientist, (Extension) & Head KVK in his introductory remarks briefed about the monthlong Poshan Maah programmes to be carried out through KVK Nagpur with active co-operation from Anganwadi workers and ICDS department, Nagpur for improving the nutrition and health status of children, pregnant and lactating mothers and adolescent girls. This on-line training cum awareness programme was attended by 174 participants who were Anganwadi workers and supervisors of ICDS, Nagpur Rural. During technical session, different models of nutrition garden and its layout and management was explained by Smt. Sunita Chauhan.



In collaboration with IFFCO, KVK, ICAR-CICR, Nagpur organized training programme at Mangrul in Hingna tahasil on 17th September, 2020, in which 100 Anganwadi workers and women farmers from Mangrul, Gumgaon and Adegaon villages took part. Vegetable seed kits were distributed on the occasion. Dr. S.M. Wasnik, Principal Scientist, (Extension) and Head KVK, Smt. Sunita Chauhan, SMS, KVK, Vishal Magar, IFFCO, Zonal Manager, Sh. Ishwarji Kale, Upsarpanch, Sh. Anil Gaikwad, Project Manager, CARD, (Centre for Advance Research & Development), Sh. Paras Gaikwad, Coordinator-CARD attended the function.

Further, KVK, ICAR-CICR, Nagpur organized Local Nutrition Rich Food Product Preparation Competition at village Waghdhara, Tah.- Hingna, Nagpur district on 23rd September, 2020 in which 34 Anganwadi workers of Butibori participated. Nutritious recipes from Sorghum, Pearl Millet, Ragi, Maize, Bottle Gourd, Papaya, Drumstick were prepared and demonstrated. The event was attended by Dr. S.M. Wasnik, Smt. Sunita Chauhan, SMS, Home Science, Sh. Chinchane, CDPO Hingna, Sh. Patil, Sarpanch, Waghdhara, Dr. S.S. Patil and Dr. U.V. Galkate. Best Anganwadi workers were felicitated at the end of the programme.



Training cum Input distribution Programme under Paramparagat Krishi Vikas Yojana (PKVY) project

KVK, ICAR-CICR, Nagpur organized one day training Programme on "Model Organic Farming" under Paramparagat Vikas Yojana. About 20 farmers of Chargaon and Muradpur villages participated. Emphasis was mainly given on Natural Resources based Integrated and Climate Resilient Sustainable Farming System that ensure maintenance and increase of soil fertility, natural resource conservation, on farm recycling and minimizing external inputs.



Training cum Input Distribution programme for SHG under ARYA project

Krishi Vigyan Kendra, ICAR-CICR, Nagpur conducted training programme for Self Help Groups (SHG) of Besa rural areas of Nagpur under Attracting & Retaining Rural Youths in Agriculture (ARYA) project in collaboration with National Institute of Women Child and Youth Development (NIWCYD). Dr. S.M. Wasnik, Principal Scientist, ICAR-CICR, Nagpur and Head KVK, Smt. Sunita Chauhan SMS (Home Science), Swati Padole Coordinator (NIWCYD), Rohini Bhalerao Monitoring Officer (NIWCYD), Jaishri Khobragade SRF ARYA attended the programme. Around 15 Self Help Group (SHG) women were



imparted knowledge on processing of fruits and vegetables and its marketing strategies. They were also guided for packing, storage, hygiene, labeling etc. Critical inputs such as china clay

pots, packing bottles and sealing machines were distributed for helping SHGs to establish their own fruit and vegetable processing units.

The Head KVK & SMS staff of KVK attended the following webinars

- Attended Online Annual Zonal Workshop of KVKs of Maharashtra, Gujarat and Goa organized by ICAR - ATARI, Pune from 10th to 12th July, 2020.
- Attended "Enhancing Global Competitiveness of Indian Agriculture" organized by Confederation of Indian Industry on 24th July, 2020.
- Attended virtual foundation stone laying ceremony of Administrative Building of KVK, Surat held on 5th August, 2020.
- Attended On-line Programme of Hon'ble PM transferring funds of PM Kisan of over Rs 17000 cr to 8.5 cr farmers and launching Agriculture Infra Fund of Rs. 1 lakh cr loan on 9th August 2020.
- Dr. S.M. Wasnik, Principal Scientist, (Extension) and Head, KVK ICAR-CICR attended meeting at collectorate office in connection with FPO formation.
- Attended webinar on Formation and effective functioning of FPO organized by ICAR-RCER on 18th August, 2020.
- Attended Online Programme of "Inauguration of Academic and Administrative Building in Rani Lakshmi Bai Central Agricultural University" by Hon'ble PM on 28th August, 2020.
- Attended the e-Talk on "Digital Platforms for Effective Outreach" on 29th August, 2020 jointly organized by ICAR-ATARI, Pune, KVK- Kolhapur and KVK- Pune.
- Attended webinar on Fostering Freshwater Aquaculture Technology Dissemination through KVK Network on 27th August, 2020.
- Attended Online - Zonal Review Workshop Gramin Krishi Mausam Sewa (GKMS) Project: DAMUs on 3rd September, 2020 jointly organized by ATARI, Pune; IMD, New Delhi and KVK Jalna.
- Attended 3 days on-line "National Oilseed Brainstorming Meet (Research-Industry-Farmer Interface)" from 23rd to 25th September, 2020 jointly organized by ICAR-IISR, Indore; ICAR-IIOR, Hyderabad; ICAR-IIOPR, Pedavegi; ICAR- DGR, Junagarh and ICAR- DRMR, Bharatpur.
- Attended 2 days National level Consultation on Natural Farming organized by NITI Aayog during 29th to 30th September, 2020.

Media coverage

सुक्राळ अग्रोवन
31.8.2020

बॉडअळीबाबत उपाययोजनांचा पशुसंवर्धन मंत्र्यांकडून आढावा

सुनील केदार यांची केंद्रीय कापूस संशोधन संस्थेला भेट

नागपूर (प्रतिनिधी) : पशुसंवर्धन व दुग्धविकास मंत्री सुनील केदार यांनी येथील केंद्रीय कापूस संशोधन संस्थेला नुकतीच भेट दिली. यावेळी त्यांनी संस्थेच्या वतीने गुलाबी बॉडअळी नियंत्रणासाठी करण्यात आलेल्या उपाययोजनांचा आढावा घेतला.

संस्थेचे संचालक डॉ. विजय वाघमारे यांनी संस्थेच्यावतीने विकसित कापसाच्या सरळ वाणांविषयी श्री. केदार यांना माहिती दिली.

गुलाबी बॉड अळी नियंत्रणासाठी संस्थेने गुजरात राज्यात व्यापक मोहीम राबविली होती. त्यामुळे त्या भागात गुलाबी बॉड अळीवर नियंत्रण मिळवता आले. देशाच्या इतर कापूस उत्पादक राज्यांमध्ये देखील गुलाबी बॉडअळी नियंत्रण याविषयी व्यापक जनजागृती संस्थेने केली. परिणामी महाराष्ट्रासह सर्वच राज्यांमध्ये गुलाबी बॉडअळीचा प्रादुर्भाव बऱ्याच अंशी रोखण्यात यश आले आहे अशी माहिती,

डॉ. वाघमारे यांनी दिली. संस्थेच्या वतीने यापूर्वी कापूस उत्पादक शेतकऱ्यांना 'व्हॉइस मेसेज'च्या माध्यमातून हंगामात शास्त्रोक्त पीक व्यवस्थापनाविषयी सल्ला देण्यात आला, असेही त्यांनी सांगितले.

जिल्हा परिषद, बाजार समिती आणि कृषी विभाग यांच्याशी समन्वय ठेवत केंद्रीय कापूस संशोधन संस्थेने यापुढील काळात उपक्रम राबवावे अशी अपेक्षा यावेळी श्री. केदार यांनी व्यक्त केली. त्यानंतर त्यांनी जैवतंत्रज्ञान विभागाला भेट दिली. यावेळी उपाध्यक्ष मनोहर कुंभारे, तपेश्वर वैद्य, विभागीय कृषी सहसंचालक रवींद्र भोसले, जिल्हा अधीक्षक कृषी अधिकारी मिलिंद शेंडे, नंदिनी गोकटे, सिद्धार्थ वासनिक, एम. व्ही. गोपालन, चिंता बाबू नाईक, दीपक नगराळे, विवेक शहा, रचना पांडे तसेच कापूस उत्पादक शेतकरी उपस्थित होते

महाराष्ट्र टाइम्स नागपूर | मंगळवार, ११ ऑगस्ट २०२०

शास्त्रज्ञांनी साधला शेतकऱ्यांशी संवाद

म. टा. प्रतिनिधी, नागपूर

केंद्रीय कापूस संशोधन संस्थेतर्फे (सीआयसीआर) 'कापूस पीक व्यवस्थापन' या विषयावर शास्त्रज्ञ, कृषी अधिकारी आणि शेतकरी यांच्यादरम्यान अलिकडेच 'ई-संवाद'चे आयोजन करण्यात आले. सीआयसीआरचे संचालक डॉ. विजय वाघमारे यांच्या अध्यक्षतेखाली झालेल्या संवादांमध्ये शेतकऱ्यांच्या समस्या जाणून घेण्यात आल्या.

कपाशीची पेरणी होऊन साधारणतः दीड ते दोन महिन्यांचा कालावधी झालेला आहे. पीक सध्या पात्या, फुले व काही ठिकाणी बोंडे धरण्याच्या अवस्थेत आहे. चालू हंगामात पिकाला जैविक तथा अजैविक ताणापासून नुकसान टाळून योग्य उत्पादन घेण्याच्या दृष्टीने सीआयसीआरचे

शास्त्रज्ञ डॉ. रामकृष्णा जी. आय. यांनी खत, पाणी व तण व्यवस्थापनावर, प्रमुख शास्त्रज्ञ डॉ. विश्लेष नगरारे यांनी कीड व्यवस्थापनावर तसेच शास्त्रज्ञ डॉ. शैलेश गावंडे यांनीही मार्गदर्शन केले. प्रमुख शास्त्रज्ञ डॉ. सिद्धार्थ वासनिक यांच्यासह नागपूर, अमरावती, नाशिक आणि लातूर विभागातील कृषी अधिकारी, शेतकरी यांनी सहभाग नोंदविला. पीक संरक्षण विभागाच्या प्रभारी अध्यक्ष डॉ. नंदिनी गोकटे-नरखेडकर यांनी आभार मानले.

Krishi Vigyan Kendra conducts on-line training series

■ Staff Reporter

KRISHI Vigyan Kendra (KVK) of ICAR-Central Institute of Cotton Research (CICR) conducted an on-line farmers training series recently. The training took place at Google Meet platform.

Members of State Agricultural Departments, agriculture students and farmers from Nagpur, Wardha, Nandurbar, Yavatmal, Washim, Buldhana, Akola, Amravati, Beed, Aurangabad, Bhandara, Bilaspur, Chandrapur, Hingoli, Gadchiroli, Gondia, Guntur, Jalgaon, Jalna, Latur, Nashik, Osmanabad, Ratnagiri, Satara, Sangali, Solapur and Dhule districts attended the on-line sessions of farmers training series.

Dr Vijay N Waghmare, Director, ICAR-CICR, Nagpur inaugurated



Dr Vijay Waghmare, Director of ICAR-CICR; Dr Siddharth Wasnik, Principal Scientist, and others at the inaugural function.

ed the training programme. While addressing the viewers, Dr Waghmare appreciated the efforts of KVK for conducting the training amid this COVID-19 crisis. Dr Siddharth M Wasnik, Principal Scientist, Extension and Head, KVK,

Nagpur gave the introductory remarks. Milind Shende, District Superintendent Agriculture Officer, Nagpur lauded KVK-CICR, Nagpur initiative of online training activities on various crops and suggested to include the topic on care to be taken during sprayings.

Dr G I Ramakrishna, Dr Dipak Nagarale, Dr Vishlesh Nagarare, Dr Babasaheb Fand, Dr Sailesh Gawande, Dr S S Patil, Dr Rahul Wadaskar, Dr Pundalik Deulkar, Dr Ulhas Galkate, Dr Rajesh Wasnik, Dr Ambadas Hucche, Dr RP Gajbhiye and Sunita Chauhan delivered lectures during the training programme.

Over 700 farmers attended the sessions. Dr Sachin Wankhede, Dr Prashant Gayakwad and other officials of KVK worked hard for the success of the event.

Month-long 'Poshan Maah' event commences at KVK, ICAR-CICR



Guests attending the on-line inauguration session of Poshan Maah at KVK, ICAR-CICR, Nagpur.

■ Staff Reporter

KRISHI Vigyan Kendra of ICAR-Central Institute for Cotton Research (ICAR-CICR), Nagpur is celebrating 3rd Rashtriya Poshan Maah (National Nutrition Month) from September 1 to 30.

KVK, ICAR-CICR is celebrating this month along with Women and Child Development Department, Nagpur Zilla Parishad. The inauguration of the event took place at KVK, ICAR-CICR. The event was inaugurated on-line at hands of Dr V N Waghmare, Director, ICAR-CICR.

In his address, Dr V N Waghmare observed the need to spread awareness about nutritional needs, deficiencies and malnutrition. He further stresses the need to create awareness in using Biofortified crops in daily diet for getting higher amount of micronutrients. He has appreciated the nutrition garden model established in KVK, ICAR-CICR, Nagpur premises and also promotion of importance of nutrition garden in the district.

Earlier, Dr S M Wasnik, Principal

Scientist, Extension and Head KVK in his introductory remarks briefed about the month-long 'Poshan Maah' programmes to be carried through KVK with active co-operation from Anganwadi workers and ICDS department, Nagpur for improving the nutrition and health status of children's, pregnant and lactating mothers and adolescent girls. On the occasion, 174 Anganwadi workers and supervisors of ICDS, Nagpur Rural has attended on-line training-cum-awareness programme.

During technical session different models of Nutrition Garden and its layout and management was explained by Sunita Chauhan, SMS (Home Science) and Coordinator of National Nutrition Month Celebration at KVK, ICAR-CICR. Whereas, Deepati Patgaonkar, SMS (Home-Science, KVK, Aurangabad) has explained biofortification of iron and zinc in Maize, Rice, Sorghum, Pearl Millet etc. Programme ended with a vote of thanks proposed by Dr Sachin Wankhede, SMS, (Agro metrology), KVK, ICAR-CICR, Nagpur.

कापूस पिकातील सिंचन व्यवस्थापन

डॉ. एस. एम. वासनिक, के. आय. चापले, डॉ. एस. एस. पाटील

कापूस पिकास जमीन, हेगाम, हेगामान व वाणाचा कालावधी यानुसार सिंचनाची गरज कमी/जास्त होते. महाराष्ट्रामध्ये कपाशीस हेगामानुसार २००-७०० मि.मी. सिंचनाची गरज लागते. कापूस पिकास एकूण पाण्याच्या गरजेपेकी उगवणीपासून पाते लागण्यापर्यंत २० टक्के, पाते लागणे ते फुले लागण्याच्या काळात ४० टक्के, फुले लागणे ते बोंडे लागण्यापर्यंत ३०

टक्के ते शेवटची वेचणी होईपर्यंत १० टक्के पाण्याची गरज लागते. याचा अर्थ कापूस पिकासाला सुरुवातीच्या काळात पाण्याची गरज कमी असते. बागायती बोंटी कापसाची पेरणी मे महिन्याच्या अखेरीस झाली असेल. पेरणीनंतर पाऊस पडेपर्यंत जमिनीच्या प्रकारानुसार ८ ते १२ दिवसाच्या अंतराने पाणी द्यावे. पीक वाढीच्या अवस्थेमध्ये पिकाची गरज प्रामुख्याने पावसाच्या पाण्यानेच भागते. जर पावसाचा खंड पडल्यास उपलब्ध पाणीसाठ्यानुसार पाण्याची विभागणी करून सिंचनाची सोय करावी.



पावसाचा खंड किंवा टंचाई या काळात कापूस पिकाच्या सिंचनासाठी टिबक अत्यंत उपयुक्त ठरते.

- पाते लागणे, फुले लागणे, बोंडे लागणे व बोंडे फुटणे या पीक वाढीच्या अवस्थेवेळी पाण्याचा ताण पडणार नाही, याची काळजी घ्यावी. झाडावरील ३० ते ४० टक्के बोंडे फुटल्यानंतर पाणी देणे बंद करावे.
- पावसाचा खंड किंवा पाण्याची टंचाई अशा काळात कापूस पिकाचे व्यवस्थापन कमी पाण्यात करण्यासाठी टिबक सिंचन अत्यंत महत्त्वाचे ठरते.
- टिबक सिंचन पद्धतीने पाण्याची जवळपास ५० टक्के बचत होऊन उत्पादनामध्ये ३५ ते ४० टक्के वाढ होते. कपाशीच्या धाग्याचा गुणधर्मांमध्ये सुधारणा होते.
- कोरडवाहू लागवडीमध्ये पावसाचा ताण असल्यास उपलब्धतेनुसार संश्लित पाणी द्यावे.

डॉ. एस. एम. वासनिक, ९४२३६८०७०७

के. आय. चापले, ७०२०६७९६९८ (केंद्रीय कापूस संशोधन संस्था, कृषी विज्ञान केंद्र, नागपूर)

Kedar asks scientists to organise programmes for farmers

■ Staff Reporter

SUNIL Kedar, Minister for Animal Husbandry, Dairy Development, Sports and Youth Welfare, visited ICAR-Central Institute for Cotton Research (CICR) on Monday.

Dr Vijay Waghmare, Director, ICAR-CICR, welcomed Kedar. He made a presentation on research and development activities being carried out at the institute. Dr Vishlesh Nagare, Principal Scientist (Entomology), delivered talk about 'Pest Management in Cotton' and answered the queries raised by the participants.

Kedar appreciated the work being carried out at the Institute and expected co-operation from ICAR-CICR on guidance to farmers and suggested meetings/programmes to be organised for farmers in collaboration with Zilla Parishad (ZP), Agriculture Produce Marketing Committee



Sunil Kedar, Animal Husbandry Minister, interacting with officers of ICAR-CICR during the meeting on Monday.

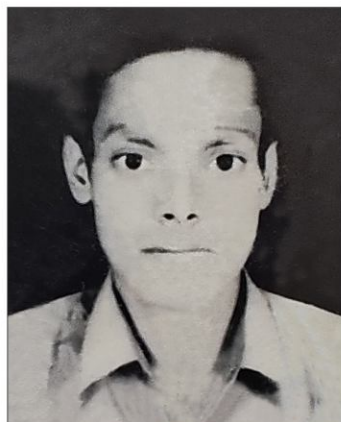
and Agriculture Department. Kedar also visited Biotechnology and Resistance Monitoring laboratories. Manohar Kumbhare, ZP Vice-President; Tapeshwar Vaidya, Chairman, Agriculture Committee of ZP, along with 20 progressive cotton farmers accompanied the minister. Ravindra Bhosale, Joint Director Agriculture, Nagpur Division; and Milind Shende, District Superintending Agriculture Officer, were prominently present and interacted with the participants. ICAR-CICR Scientists Dr Nandini Gokte-Narkhedkar, Dr Siddharth Wasnik, Dr M V Venugopalan, Dr China Babu Naik, Dr Dipak Nagrale, Dr Vivek Shah, Dr Rachna Pande also were present on this occasion.

Personnel

Inter Institutional Transfer				
S.No.	Name of the employee	Post	Place of Posting	Date of Joining
1	Sh. Soipal H. Mandape	Sr. Technician, T-2	Transfer from ICAR-CICR RS Coimbatore to ICAR-CICR Nagpur	13.07.2020
2	Sh. Shital Kumar Sharma	SSS	ICAR-DRMR, Bharatpur to ICAR-CICR Nagpur	01.09.2020
3	Sh. Sanjay Kumar	Assistant	Transferred to ICAR-CICR RS, Sirsa	11.09.2020
New Appointments				
1	Sh. Diwakar Sawaji	Sr. Technical Assistant	ICAR-CICR, Nagpur	10.08.2020
2	Sh. Abdul Waseem	Sr. Technician	ICAR-CICR, Nagpur	25.08.2020
Promotion				
1	Smt. R. R. Kulkarni	Assistant to AAO	ICAR CICR Nagpur	04.07.2020
2	Sh. EAM Ismail	Assistant to AAO	ICAR CICR Nagpur	04.07.2020
3	Sh. Mahesh Tiwari	Personnal Assistant to Private Secretary	ICAR CICR Nagpur	04.07.2020
4	Sh. Pravin P. Ambade	Steno-III to Personal Assistant	ICAR CICR Nagpur	07.07.2020
Regularization				
1	Smt. Shankuntala Bagde	TSL to SSS	ICAR-CICR Nagpur	10.07.2020
2	Sh. Pruthviraj Chaudhari	TSL to SSS	ICAR CICR Nagpur	10.07.2020
3	Smt. Laxmi Rangaswamy	TSL to SSS	ICAR CICR RS Coimbatore	06.07.2020
4	Sh. Kanaiyan Marudhan	TSL to SSS	ICAR-CICR RS Coimbatore	19.09.2020
5	Sh. Murugan Ammasai	TSL to SSS	ICAR-CICR RS Coimbatore	19.09.2020
6	Sh. Thangavel Palani	TSL to SSS	ICAR-CICR RS Coimbatore	19.09.2020

Remembrance

ICAR-CICR remembers and pay tributes to the following staff.



Shri. Ghanshyam Sakhare
UDC, ICAR-CICR, Nagpur
Date : 6.08.2020



Shri. Govindrao Gajbhiye
Retired Senior Farm Superintendant,
ICAR-CICR, Nagpur
Date : 13.08.2020



Shri. S. M. Sahare
Retired Senior Administrative Officer,
ICAR-CICR, Nagpur
Date : 10.09.2020

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