

COTTON Innovate



Weekly Newsletter from Central Institute for Cotton Research, Nagpur

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A weekly newsletter from ICAR-CICR

Girad Cluster Scientists organizes Farmer - Scientist Interactions at MGMG Villages

The multidisciplinary team of scientist from ICAR-CICR, Nagpur comprising of Dr. Nandini Narkhedkar, (Plant Nematologist), Dr. Saravanan (Plant Breeding), Dr. Shailesh Gawande (Plant Pathology) and Mr. Joy Das (Plant Biotechnology) visited villages viz., Arvi, Mohgaon, Faridpur, Shivanphal and Jogingumpha in Girad cluster, Samudrapur tahsil of Wardha district on 4th April, 2015 under “Mera Gaon Mera Gaurav (MGMG)” programme and interacted with the farmers in respect of technological knowhow for sustainable cotton cultivation. The team requested the farmers to register their mobile numbers with CICR e - Kapas project and accordingly they collected the contact numbers of 300 farmers from the Girad cluster and also from the Magan Sangrahalaya for registration with Dr. S. M. Wasnik, Principal Investigator e – Kapas and Nodal Officer MGMG to get free advisories through voice messages. The team also interacted with the farmers to know the problems in cotton cultivation. It was observed that farmers faced lack of proper guidance regarding utilization of costly inputs like seed, fertilizers, pesticides and micronutrients. Further lack of labour availability during crop season especially during picking and low cotton prices affects profit margin. The farmers also expressed need of getting information on subsidiary occupation such as cattle rearing and goat farming.



Collection of Contact numbers for registration under e-Kapas from the staff of Magan Sangrahalaya, Girad



Interactions with farmers at Village Faridpur



Farmer -Scientist interaction at Mohgaon Village

Lecture on Public Purchases

A lecture on “Public Purchases” was delivered by Shri. G.C. Prasad, Senior Finance and Accounts Officer of ICAR – Central Institute for Cotton Research, Nagpur to the Scientific, Technical and Administrative staff members of CICR, Regional Station, Coimbatore on June 09, 2016. In his talk, he explained about the GFR rules, purchase procedure, role of the purchase committee, tenders, award of contract etc., He also clarified the doubts regarding civil works, minor purchases, settling of advance and requirement of TIN and TAN.



Director ATARI Zone-1 visited CICR, Regional Station, Sirsa



Dr Rajbir Singh, Director, Agricultural Technology Application Research Institute (ATARI), Zone-1, PAU Campus Ludhiana-141004 visited Central Institute for Cotton Research, Regional Station, Sirsa on 04.06.16. He visited the demonstration plots of various hybrids and varieties released/pipeline by CICR, RS, Sirsa along with the demonstration especially laid out for whitefly management in cotton. He also visited the laboratory and other facilities of the station.

Meetings attended/participation/workshop /Survey

- Dr. K. R. Kranthi, Dr. Sandhya Kranthi and Dr. R.B Singandhupe attended the inaugural session of the AGRESCO of Dr. PDKV Akola on 28th May 2016 at Akola.
- Dr. K.R. Kranthi and Dr. Sandhya Kranthi attended the meeting called by BCI for stakeholders of CAIM at Amravathi on 30th May 2016 in which they addressed a gathering of more than 300 persons.
- Dr. K. R. Kranthi, Director and Dr. Sandhya Kranthi, Head Crop Protection, attended the meeting with scientists of Bayer on 31st May 2016 to discuss the way forward and inputs for the demonstrations that Bayer would like to take up in the area of whitefly and Pink bollworm management in 2016-17 in India.
- Dr D Monga participated in the eighteenth meeting of Steering Committee for implementation of Cotton Technical Assistance (TAP) program in selected African countries by government of India on 31st May, 2016 at Udyog Bhawan, New Delhi.
- Dr. Rishi Kumar and Dr. Satish K. Sain conducted a survey of Sardulgarh, Jhunir and Mansa block of Punjab for whitefly incidence on 31.05.2016. The whitefly population at these locations ranged between 1 to 6/3 leave and was below ETL. The alternate hosts surveyed at two locations i.e. brinjal/chillies/cowpea/okra were also having very low population due to the light showers and thunder storm during the preceding days.
- Dr D Monga participated in the Sixteenth meeting of standing committee to review applications for the commercial release of Bt cotton hybrids expressing approved events under Event based approval mechanism (EBAM) on 1st and 2nd June at Department of Biotechnology, CGO Complex, New Delhi.
- Dr. Rishi Kumar and Dr. Satish K. Sain conducted a survey of Dabwali, Sangaria, Sadulshahar, Ganganagar, and Abohar area of Haryana, Rajasthan and Punjab for whitefly incidence on 03.06.2016. The whitefly population at these locations ranged between 0 to 9/3 leave and were below ETL. However in Abohar area the cotton crop sown adjoining or in between the orchards was harboring the higher population near to ETL (6-12/3 leaves). The fields sown with cotton and having cucurbits vine at boundaries or in between were also recorded with higher pest's population.
- Dr. D. Monga and Dr. Rishi Kumar attended a meeting to review the situation of whitefly Chaired & Co- chaired by Chief Secretary & Additional Chief Secretary, Govt of Punjab. The meeting was also attended by V.C.PAU Ludhiana, Secretary Agriculture and Director of Agriculture, Punjab on 4.6.2016 at Bhatinda. In the meeting the progress of total area sown under cotton and the extension activities organised by the department were presented by the JDA Cotton, Punjab. Whitefly surveillance and survey based population and incidence assessment report was presented by Director of Research PAU, Ludhiana. Dr. D. Monga, Head, CICR, Regional Station, Sirsa mentioned about the weekly cotton advisories in different languages on CICR website and about the e-Kapas all India network under Technology Mission on Cotton through which mobile based messaging service is provided to cotton farmers. He also made a reference to the resistance monitoring studies carried out by the institute in sucking pests against insecticides and bollworms against cry toxins and dissemination of IRM strategies. The issue of use of insecticide mixtures and to discourage use of insecticides causing whitefly resurgence was also raised in the meeting. The scientists from HAU, Hisar also attended the meeting. In the meeting it was felt to establish coordination among the north cotton growing states, so a high level inter-state committee was constituted under the Chairmanship of Dr. Dhillon, Honourable VC. PAU, Ludhiana and Dr. Monga representing CICR, RS, Sirsa and Director of Research of CCS HAU, Hisar.
- Dr Rishi Kumar, Principal Scientist, CICR, Regional Station, Sirsa delivered a lecture to the dealers of the Seed, Fertilizers and Pesticides from various blocks of Distt Sirsa on 06/ 06/2016. In his interaction with association members he emphasized that the dealers can play a vital role in the dissemination of the strategies formulated by CICR to deal with the menace of whitefly. He also advised the dealers not to sell any unrecompensed insecticides to the farmers and especially neem based can be given to the farmers for initial sprays.
- Dr. D. Monga and Dr. Rishi Kumar attended a workshop on whitefly management in cotton at Agricultural Research Station (ARS) Sri- Gangangar on 13.06.2016. Dr P.L. Nehra, Director of Extension Education and Dr B. S. Yadav, Zonal Director, ARS, SriGangangar along with the scientist of cotton section, ARS Sri- Gangangar attended the meeting organized by Joint Director Agriculture (Cotton) Sri- Gangbanger. In the meeting the update on the area as well the incidence of whitefly was discussed in detail. The whitefly management strategies were discussed in the meeting and finalized for further action. Till date the incidence of whitefly was very less.

- Dr. D. Monga, Dr. Rishi Kumar, Dr. Satish Kumar, Dr. O.P. Tuteja and Dr. S. K. Verma surveyed the cotton growing area of Haryana (Hisar/Fatehabad/Sirsa), Rajasthan (Ganganagar/Hanumangarh) and Punjab (Mansa/ Bathinda/and Abohar) on 08.06.16, 13.06.16 and 15.06.16. The incidence of whitefly was below ETL at almost all the locations. However a moderately high population of whitefly was recorded in Abohar area having large citrus plantation and at few locations of Haryana adjoining to citrus orchard or having cucurbitaceous crop either as inter-culture or in adjoining.

Publications

- Abhay K. Pandey, Satish K. Sain, Pooja Singh, Uma T. Palni and N. N. Tripathi, 2016. Mycotoxin Menace in Stored Agricultural Commodities and Their Management by Plant Volatiles: An Overview. In: P. Kumar et al. (eds.), Current Trends in Plant Disease Diagnostics and Management Practices, Fungal Biology, DOI 10.1007/978-3-319-27312-9_18
- Satish K. Sain and M.L. Chadha, 2016. Response of some wild species of tomato against Peanut bud necrosis virus under open-field conditions. Indian J. Hort. 73(1), March 2016: 60-65
- Rajasekhar L, Satish K Sain and Divya J. 2016. Evaluation of microbial consortium for 'plant health management' of pigeon pea. International Journal of Plant, Animal and Environmental Sciences, 6(2): 107-113. Available online at www.ijpaes.com

Press News Clippings

बुधवार, ९ जून २०१६ | **संवाद अंगोवन** ३

'सीआयसीआर' बहुभाषिक कापूस अॅप विकसित करणार

लागवडीसाठी आवश्यक सर्व तांत्रिक माहितीचा अंतर्भाव

नागपूर (प्रतिनिधी) : कापसाविषयी सध्याच्या असाधारण अशा वेळी कापूस संशोधन संस्थेच्या (सीआयसीआर) विकसित करण्यात येणार आहे. या अॅपचे वैशिष्ट्य म्हणजे संशोधकांक ६ कापूस उत्पादक राज्यातील भाषेमध्ये त्यांचा माहिती उपलब्ध असणार आहे.

कापूस विकत माती परीक्षेचे महत्त्व, विषयावलीची निवड, कापूस लागवडीच्या पद्धती, कोरडवाहू व सिंचन क्षेत्राकरिता शिकारशील बाण फाईव्ह कीड व रोगांची माहिती असलेले अॅप पर्यागीतल वसंतराव नाईक मॅन्डलबाई फुली विभागाताने यापूर्वीच विकसित केले आहे. केंद्रीय कापूस संशोधन संस्थेच्या सहकार्याने विकसित हे अॅप असून, त्याच वेळी महिती भाषेमध्ये माहिती उपलब्ध आहे. केंद्रीय कापूस संशोधन संस्थेचेचेडोडाल स्वतंत्र अॅप टक्करव प्ले-स्टोअरवर उपलब्ध होईल, अशी माहिती केंद्रीय कापूस संशोधन संस्थेचे संचालक डॉ. केदार क्रांती यांनी दिली.

कापूस लागवडीसाठी आवश्यक पद्धती, बीटो व देशी बाणांची निवड, लायंड अंत, शिकारशील लागवडी महाराष्ट्र या वर्षी ३९ लाख हेक्टरवर कापूस लागवडीचा अंदाज आहे. त्यासोबतच आंध्र प्रदेश, तेलंगण, गुजरातसह देशातील ९ राज्यांमध्ये कापूस लागवड होते. कापूस उत्पादकांच्या सुविधेकरिता केंद्रीय कापूस संशोधन संस्था त्या त्या राज्यातील भाषिक अॅप विकसित करणार आहे. त्याकरिता इरियामा येथील एका कंपनीसोबत करार केला आहे.

—डॉ. केशव क्रांती, संचालक, सीआयसीआर, नागपूर

बुधवार, ९ जून २०१६ | **संवाद अंगोवन** ३

अंगोवन 4.6.16

कापूसाला वातावरण पोषक

डॉ. क्रांती यांची माहिती; काही जिल्ह्यांमध्ये पावसाचा खंड

नागपूर (प्रतिनिधी) : देशातील इतर राज्यांच्या तुलनेत महाराष्ट्र या वर्षी कापूसाला पोषक वातावरण प्राप्त होत आहे असा अंदाज अहोरात्रिक वारीत, परभणी, नांदेड या जिल्ह्यांमध्ये लागवडीतल्या कापूसाला पावसाचा खंड सोसावा लागेल, अशी स्थिती असल्याची माहिती केंद्रीय कापूस संशोधन संस्थेचे संचालक डॉ. केशव क्रांती यांनी दिली.

डॉ. क्रांती यांनी दिलेल्या माहितीनुसार, देशाला पावसाची सरासरी ११८.५६ सेंटीमीटर होईल. या वर्षी ते ११० ते ११५ सेंटीमीटर राहण्याचा अंदाज आहे. महाराष्ट्रातही पावसाची २९ लाख हेक्टरवरून ३८ ते ३९ लाख हेक्टरपर्यंतची वाढ होईल आहे. राज्यात ५ जूनपासून तीन ते ७ मिमी पावसाचा अंदाज आहे. हा माहितीचा पाऊस मोठे, पडेल्या पाऊस आणि ओलाण्याचा अंदाज घेत शेतात-यांनी १० ते २० जून या काळातच कापूस पेरणेबाबत घ्यावे लागेल. जून ७ ते ८ जून या काळातच कापूस पेरणेबाबत घ्यावे लागेल. जून ७ ते ८ जून या काळातच कापूस पेरणेबाबत घ्यावे लागेल. जून ७ ते ८ जून या काळातच कापूस पेरणेबाबत घ्यावे लागेल.

—डॉ. केशव क्रांती, संचालक, कापूस संशोधन संस्था, नागपूर

Cotton acreage shrinks in state, ginners worried

SUSHIL MANAV
TRIBUNE NEWS SERVICE

CHANDIGARH, JUNE 17
Due to the unprecedented attack of whitefly last year, the area under cotton plantation has shrunk by over 30 per cent in Haryana, Punjab and Ganganagar and Hanumangarh districts of Rajasthan this year.

Dr Dilip Monga, head of the regional centre of the Central Institute of Cotton Research at Sirsa, said the cotton crop had been sown on nearly 5 lakh hectares in Haryana, 2.51 lakh hectares in Punjab and 1.75 lakh hectares in the two districts of Rajasthan against the last year's 5.80 lakh, 4.50 lakh and 2.25 lakh hectares, respectively.

Dilip Monga, HEAD, REGIONAL CENTRE, CENTRAL INSTITUTE OF COTTON RESEARCH, SIRSA

hectares, respectively. Also, the area under Desi cotton, a variety considered immune to whitefly, has increased from 25,000 hectares to 78,000 hectares this year.

Rajiv Mishra, Deputy Director (Statistics), Agriculture, said cotton sowing had fallen short of the targeted 6.20 lakh hectares by nearly 20 per cent in the state. In 2014-15, the crop was sown on 6.48 lakh hectares, whereas in 2015-16, the area under cotton cultivation was reduced to 5.80 lakh hectares.

"I sowed cotton on 50 acres last year. But this time I have decided to grow the crop on 38 acres only," said Jasbir Singh Jassa, a progressive farmer from Sahuwala village of Sirsa. Gurjeet Singh Mann, another farmer from Kirpal Patti vil-

lage of Sirsa, said he along with other farmers had sown Moong and Arhar crops this time.

The drop in area under cotton cultivation has left the cotton ginners worried. "Last year, we had to run our units much below their capacity. This year, too, we won't be able to get enough raw material for our mills," said Sushil Kumar Mittal, president, Haryana Cotton Ginners' Association.

He said with as the area under the crop was even lesser in Punjab, millers from the state might buy raw cotton from Haryana. The prices have increased from Rs 4,200 per quintal to Rs 5,900 per quintal in the past two months.

