



## Agroforestry News

## कृषिवानिकी समाचार

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### Editors

Dr. Inder Dev  
Dr. Naresh Kumar  
Dr. K Rajarajan  
Dr. H Anuragi  
Mrs. Alka Bharati  
Dr. Rajeev Tiwari

**HAPPY NEW YEAR 2021**

### Strategic Outreach

#### **Review of Doubling farmers' income (KISAN MITra) project of Bundelkhand region**

Shri Surya Pratap Shahi ji, the Hon'ble Minister for Agriculture, Agriculture Education and Research, Government of Uttar Pradesh, reviewed the progress of the DFI (KISAN MITra) project at Banda University of Agriculture and Technology (BUAT), Banda on 3<sup>rd</sup> July, 2020. The project is supported by Government of Uttar Pradesh and is being implemented by ICRISAT, ICAR-CAFRI and other consortium partners in 22 villages of Bundelkhand, covering about one lakh population. Dr. Ramesh Singh, Principal Scientist, ICRISAT and Dr. Inder Dev, Principal Scientist, CAFRI briefed the progress of project. Hon'ble Minister appreciated the efforts made by all the partners and suggested to scale up such initiatives.



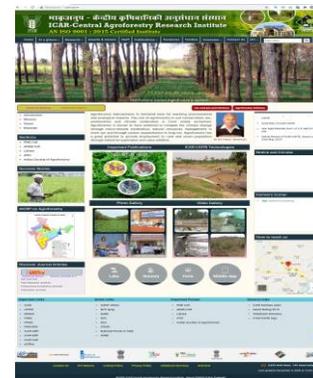
### Dr. A. Arunachalam joined CAFRI as Director

Dr. A. Arunachalam joined as Director, ICAR-Central Agroforestry Research Institute (CAFRI), Jhansi on 9<sup>th</sup> December 2020. Before joining, he served as Principal Scientist (2010-12) in Natural Resource Division at Indian Council of Agricultural Research (ICAR) Headquarters, New Delhi and as Principal Scientist (2012-20) in the Office of the Secretary, Department of Agricultural Research and Education (DARE) & Director General, ICAR, Krishi Bhawan, New Delhi. During 2018-20, he also served as the Assistant Director-General (International Relations) in the ICAR Headquarters.



### Strategic Highlight

The new institute website with a fresh look made easy to access information and build excitement to visit. Also, the site got updated with FarmTree app and Institute's social media platforms for a greater reach.



## Vanamahotasava at DFI site Sutta and Singar

Vanamahotasava was jointly organized by ICAR-CAFRI and ICRISAT, Hyderabad on 18.08.2020 at Sutta and Singar villages, Garontha Tehsil of Jhansi district. Sh. Jawahar Rajput, Hon'ble Member of Legislative Assembly, Uttar Pradesh was the Chief Guest of the function. The programme received overwhelming response in the villages over 60 farmers participated along with the Hon'ble MLA, scientists and staff of CAFRI, IGFRI) and ICRISAT planted the tree saplings and visited various sites.



## Days and Weeks Observed

### Parthenium Awareness Week

Parthenium Awareness Week was observed during 16-22 August, 2020. All the Institute staff members participated in the program.



### हिन्दी सप्ताह

दिनांक 14.09.2020 हिन्दी सप्ताह का उद्घाटन सत्र संस्थान के निदेशक (कार्यवाहक) डा. आर. के. तिवारी की अध्यक्षता में प्रारम्भ हुआ। कार्यक्रम का प्रारम्भ आई.सी.ए.आर कुलगीत से किया गया। उसके उपरान्त डॉ. इन्द्र देव, प्रधान वैज्ञानिक द्वारा माननीय कृषि मंत्री, भारत सरकार का हिन्दी दिवस पर संदेश पढ़कर सभी को उनके बहुमूल्य विचारों से अवगत कराया।



### 150<sup>th</sup> Birth Anniversary of the Father of Nation Mahatma Gandhi

Institute observed a week-long celebration from 26 September-2 October 2020 on the occasion of 150<sup>th</sup> Birth Anniversary of the Mahatma Gandhi. During the week various events like Yoga session, Panting and Rangoli were organized. The Swachhta pledge was pronounced and Swachhta Abhiyan was observed on the 2<sup>nd</sup> October being the birth anniversary of our Father of Nation.



### Constitution Day

Constitution Day was observed on 26 November, 2020. The institute staffs were made aware of fundamental duties of Indian citizen. All the staff actively took part in the event.

## Events Organized

### Mahila Kisan Gosthi

Mahila Kisan Gosthi was organized at village Ganeshgarh, Block-Babina in Jhansi district on 15<sup>th</sup> October, 2020

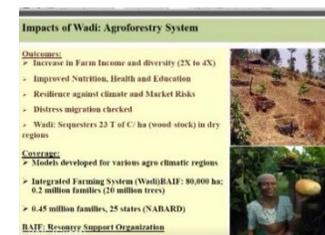


### SC/SP Implementation

Institute is implementing the Scheduled Caste Sub Plan (SCSP) for converging our efforts to doubling farmer's income project undertook enabling activities for the development of SC farmers in 22 selected villages of different districts of Uttar Pradesh. Till November 2020 more than 600 SC farm families including 230 farm women got benefited out of this plan.

### Webinar

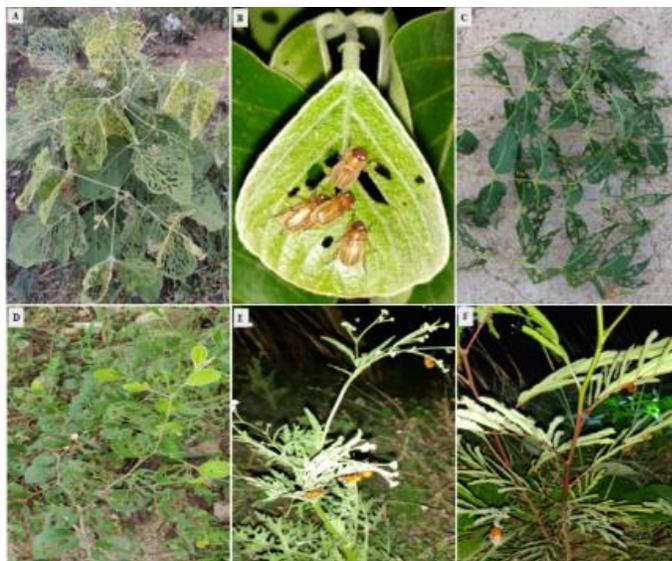
CAFRI in collaboration with NRAA and FAO organized a Webinar on "Developing grassroots level extension mechanism and capacity building of rural youth for upscaling of agroforestry" on 9<sup>th</sup> November 2020.



## Research

### **Outbreak of white grub adults on agroforestry tree species in pre-monsoon**

Assessment of white grub adult outbreak on various promising agroforestry tree species like *Butea monosperma*, *Azadirachta indica*, *Ziziphus mauritiana*, *Parthenium hysterophorus* and *Leucaena* spp were studied at CAFRI farm. During the study extensive damage was observed on *B. monosperma* (94-95%) compared to other species. The adult beetles generally attacked the host plants during night hours (7 to 10). The damage symptoms included complete removal of host leaf tissue between veins and create holes at initial stage, and later eat away the whole tissue leaving only veins of the foliage. Further, the white grub species were collected from IGFRI campus. The samples were sent to ICAR-NBAIR, Bengaluru for identification. The results revealed that, a total of seven species viz. *Schizonycha fuscescens* (Blanchard), *Apogonia* sp. *Anomala bengalensis* (Blanchard) *Anomala dorsalis* (Fabricius), *Adoretus versutus* Harold, and 2 *Adoretus* were identified on these five host plants. This pest can be managed by deep summer ploughing for destructing root grubs, removing the alternate hosts near the fields, setting of light traps for collection of adult beetles and subsequent destruction will be effective (1trap/ha between 7 to 10 pm) and spray Imidacloprid 17.8 SL @ 1.5ml/litre.



**Authors:** Venkatesh, Y.N<sup>1</sup>., Sreedevi, K<sup>2</sup>., Ashajothi, M<sup>1</sup>., Sudhir Kumar<sup>1</sup>, Keerthi, M.C<sup>3</sup>.

<sup>1</sup>Central Agroforestry Research Institute, <sup>2</sup>National Bureau of Agricultural Insect Research, <sup>3</sup>Indian Grassland and Fodder Research Institute

## Participation in Training/Workshop/Meetings/Symposia

- Dr. A K Handa participated in Work Plan meeting (virtual) of NABARD and ICAR on Successful Agroforestry Models on 6<sup>th</sup> July 2020; A Talk on “Current Status and Future Roadmap of Agroforestry Research and Development” organized by Mettupalayam Agroforestry Business Incubation Forum, Forest College and Research Institute, Mettupalayam (TNAU) on 20<sup>th</sup> July, 2020
- Dr Dhiraj Kumar and Mrs. Alka Bharati attended Online lecture on NABL Accreditation of ICAR Laboratories organized by NABL, New Delhi on 22<sup>nd</sup> July 2020
- Mr. H. Anuragi, Dr. Sushil Yadav and Mr. Sukumar Taria participated in Online training programme on “Analysis of Experimental Data using R” organized by ICAR-NAARM, Hyderabad from 5<sup>th</sup> to 11<sup>th</sup> August, 2020
- Dr. Priyanka Singh attended Professional Attachment Training at ICAR-IGFRI, Jhansi from 6 August to 5<sup>th</sup> November, 2020; Regional workshop on “Startups and entrepreneurship” organized by Central Agricultural University, Imphal from 12<sup>th</sup> to 28<sup>th</sup> September, 2020.
- Ms. Aswathy Chandrakumar attended Professional Attachment Training at ICAR-IISR, Calicut from 1<sup>th</sup> August to 30<sup>th</sup> November, 2020.
- Dr. K Rajarajan attended webinar on Biological Diversity Act, 2002; Part II (The Biological Diversity Rule 2004) organized by National Biodiversity Authority and UNDP on 19<sup>th</sup> August 2020; Peoples Biodiversity Register organized by National Biodiversity Authority and UNDP on 22<sup>nd</sup> December 2020.

- Mr. Suresh Ramanan S attended Webinar on Drone Remote Sensing in Agriculture organized by Indian Society of Agrophysics on 9<sup>th</sup> September 2020
- Dr. Inder Dev attended Workshop cum training on Intellectual Property Rights in Agriculture and Education in India organized by NAHEP & IPTMU, ICAR, New Delhi from 12<sup>th</sup> to 28<sup>th</sup> September 2020.
- Dr. A K Handa, Dr. K Rajarajan, Dr. Asha Ram, Dr. Sushil Kr Yadav, Mr. Sukumar Taria, Dr J R Jat, Dr. S Gunasekaran, Dr. S Panda, Dr. Chhavi Sirohi, Dr. Vishnu, Aswathy Chandrakumar, Priyanka Singh, R P Dwivedi and Mr. Suresh Ramanan participated a Webinar on “Developing grassroots level extension mechanism and capacity building of rural youth for upscaling of agroforestry” on 9<sup>th</sup> November 2020
- Mrs. Alka Bharati delivered lecture in International Webinar on “Recent Advances in Plant Biotechnology” organized by Pazhassi Raja College, Pulpally, Wayanad, Kerala on 19<sup>th</sup> December 2020.
- Dr. A Arunachalam, Dr. A K Handa and Dr. K Rajarajan attended a technical discussion on Microchip-based tagging of tree germplasm with World Agroforestry Centre (ICRAF), Kenya and ICAR-NBPGR, New Delhi on 22<sup>nd</sup> December 2020.

## PERSONNEL

### *New Scientist*

Mrs. M. Ashajothi, Scientist, Plant Pathology joined CAFRI from ICAR-IISS, Mau

### *Promotion*

Sh. S B Sharma, AF&AO promoted to the post of FAO at ICAR-Directorate of Rapeseed Mustard Research, Bharatpur

### *Transfer*

Dr. S B Chavan, Scientist (Forestry) transferred to ICAR-NIASM, Baramati

Dr. Dhiraj Kumar, Scientist (Soil Science) transferred to ICAR- IISS, Bhopal

Sh. Lal Chand, Scientist (Fruit Science) transferred to ICAR-CISH, Bikaner

Dr. A R Uthappa, Scientist (Agroforestry) transferred to ICAR-CCARI, Goa



**Supervision and Guidance:** Dr. A. Arunachalam, Director

Published by: Director, ICAR-Central Agroforestry Research Institute, Gwalior Road, Jhansi-284003 (U. P.) India

Published at: <http://www.cafri.res.in>

Telephone: +91-510-2730214

Fax : +91-510-2730364

E. mail : [director.cafri@icar.gov.in](mailto:director.cafri@icar.gov.in)