



Sorghum

Newsletter



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Sorghum researchers from ACIAR, Australia visit DSR

A group of 9 sorghum researchers / research managers from Australia and Africa visited DSR and have interaction with DSR scientists on February 22, 2013.



The group consisted Drs. Eric Huttner (Research Program Manager, ACIAR, Australia), Graeme Hammer (Director, Centre for Plant Science, university of Queensland), Andrew Borell & Dr Erik van Oosterom (Sorghum physiologists, university of Queensland), David Jordan & Dr Emma Mace (Sorghum Breeders, university of

समाचार सारांश

आस्ट्रेलिया से ज्वार शोधकर्ताओं का दौरा : आस्ट्रेलिया तथा अफ्रीका से 9 शोधकर्ताओं/शोधप्रबंधकों के दल ने 22 फरवरी 2013 को निदेशालय का दौरा किया तथा संस्थान के वैज्ञानिकों से विचार-विमर्श किया। आस्ट्रेलिया से आए शोधकर्ता इक्रिसेट - ज्वा.अनु.नि. - इली - क्यू.डी.पी.आई. आस्ट्रे - यू.ए.ए. आस्ट्रे. के संयुक्त तत्वावधान में जुलाई 2008 से ए.सी.आई.ए.आर., आस्ट्रेलिया के वित्तीय सहयोग से चल रही परियोजना के साझेदार हैं। ज्वार अनुसंधान निदेशालय से डॉ. एच एस तलवार, प्रधान वैज्ञानिक इस अंतर्राष्ट्रीय सहयोगी परियोजना के सहभागी हैं। संस्थान के निदेशक महोदय ने दौर पर आए शोधकर्ताओं को निदेशालय में चल रही अनुसंधान गतिविधियों के संबंध में जानकारी प्रदान की। शोधकर्ताओं के दल ने संस्थान में जल प्रयुक्त दक्षता माप हेतु स्थापित लाइसीमीटर सुविधा, सेंटर ऑफ एक्सलेंस, जैव-प्रौद्योगिकी तथा कीटविज्ञान प्रयोगशालाओं का निरीक्षण भी किया।

ज्वार/कदन्न की कटाई उपरांत प्रौद्योगिकी पर प्रशिक्षण : इन्सिप परियोजना के अंतर्गत ज्वार अनुसंधान निदेशालय के द्वारा ज्वार/कदन्न की कटाई उपरांत प्रौद्योगिकी पर महाराष्ट्र के कृषकों के लिए 12-13 फरवरी 2013, कर्नाटक के कृषकों के लिए 19-20 फरवरी 2013 तथा आंध्र प्रदेश के कृषकों के लिए 22-23 फरवरी 2013 के दौरान कुल तीन प्रशिक्षण कार्यक्रमों का आयोजन किया गया। डॉ. जे.वी. पाटील, निदेशक, ज्वा.अनु.नि. ने विशिष्टज्ञों तथा सहभागियों का स्वागत किया तथा इस प्रशिक्षण कार्यक्रम के प्रयोजन के संबंध में संक्षिप्त जानकारी प्रदान की। श्री के.निर्मल रेड्डी, आई.टी.सी. (एबीडी) ने उद्घाटन भाषण दिया तथा डॉ. बी.दयाकर राव, पाठ्यक्रम निदेशक, ज्वा.अनु.नि. ने ज्वार मूल्य शृंखला परियोजना तथा उसका कृषकों पर प्रभाव के संबंध में सिंहावलोकन प्रस्तुत किया। डॉ. राजेन्द्र प्रसाद, उप निदेशक, राष्ट्रीय पोषण संस्थान (एनआईन), डॉ. आर.जी.मठ, प्रधान वैज्ञानिक, केंद्रीय खाद्य प्रौद्योगिकी अनुसंधान संस्थान (सीएफटीआरआई), हैदराबाद तथा श्री ए.नटराजन, एस8 थॉमस निकोडेमस ने प्रशिक्षण कार्यक्रम के दौरान अतिथि व्याख्यान दिए।

अ.भा.स.ज्वा.उ.प. केंद्र, तांडुर के द्वारा प्रक्षेत्र दिवस : अ.भा.स.ज्वा.उ.प. केंद्र, तांडुर के द्वारा अग्र पंक्ति प्रदर्शन कार्यक्रम के अंतर्गत रंगा रेड्डी जिला, आंध्र प्रदेश में पेड्डेमुल मंडल के गोपालपुर ग्राम में 18 फरवरी 2013 को रबी ज्वार पर प्रक्षेत्र दिवस का आयोजन किया गया। अ.पं.प्र. लाभार्थी शामिल लगभग 100 कृषकों ने उक्त कार्यक्रम में भाग लिया। सहभागियों को सीएसवी 22 आर किस्म का प्रक्षेत्र प्रदर्शन भी दिखाया गया। सहभागी उक्त किस्म के प्रदर्शन से अत्यधिक प्रभावित हुए तथा उन्होंने अगले वर्ष हेतु खेती के लिए उसके बीजों की मांग की।

पदोन्नति : कृषि वैज्ञानिक चयन मंडल की संस्तुति पर कैरियर उन्नयन योजना के अंतर्गत डॉ. सी.अरुणा रेड्डी, डॉ. आर.मधुसूदन तथा डॉ. ए.वी.उमाकांत, वरिष्ठ वैज्ञानिक (पादप प्रजनन) को प्रधान वैज्ञानिक के रूप में पदोन्नत किया गया। उक्त सभी वैज्ञानिकों को हार्दिक बधाई।

संस्थान की जैव-सुरक्षा समिति की बैठक : निदेशालय में जैव-सुरक्षा संबंधी कार्यों के कार्यान्वयन पर चर्चा हेतु निदेशक, ज्वा.अनु.नि. की अध्यक्षता

में 25 फरवरी 2013 को संस्थान की जैव-सुरक्षा समिति की बैठक संपन्न हुई। समिति ने संस्थान में चल रही जैव-प्रौद्योगिकी अनुसंधान परियोजनाओं में जैव-सुरक्षा उपायों के कार्यान्वयन की समीक्षा भी की।

रबी अ.भा.स.ज्वा.उ.प. परीक्षणों का अनुवीक्षण : डॉ. आई के दस, प्रधान वैज्ञानिक (पादप रोगविज्ञान), ज्वा.अनु.नि., हैदराबाद की अध्यक्षता में डॉ. एस आर गदख, वरिष्ठ ज्वार प्रजनक, म.फु.कृ.वि., राहुरी, डॉ. एन एस ठाकुर, ज्वार सस्य विज्ञानी, इंदौर तथा डॉ. बी डी पवार, ज्वार कीट विज्ञानी, म.फु.कृ.वि., राहुरी के सहयोग से 6 फरवरी 2013 को मऊ, परभणी में रबी ज्वार परीक्षणों का अनुवीक्षण किया गया।

भा.कृ.अनु.प. खेलकूद प्रतियोगिता : गन्ना प्रजनन संस्थान, कोयम्बतूर द्वारा नेहरु स्टेडियम, कोयम्बतूर में 18-22 फरवरी 2013 के दौरान भा.कृ.अनु.प. दक्षिण क्षेत्रीय खेलकूद प्रतियोगिता का आयोजन किया गया। जिसमें निदेशालय के 16 खिलाड़ियों ने सक्रिय रूप से भाग लिया।

हैदराबाद में अ.भा.स.ज्वा.उ.प. समूह की 43वीं वार्षिक बैठक : भारत में ज्वार अनुसंधान के 50 वर्ष (स्वर्ण जयंती) पूर्ण होने के अवसर पर ज्वार अनुसंधान निदेशालय, हैदराबाद में 20-22 अप्रैल 2013 के दौरान ज्वार समूह की 43वीं वार्षिक बैठक का आयोजन किया जा रहा है। इस बैठक के कार्यक्रम पर चर्चा करने तथा उसे अंतिम रूप प्रदान करने के लिए ज्वा.अनु.नि., हैदराबाद में 4 फरवरी 2013 को डॉ. जे वी पाटील, निदेशक, ज्वा.अनु.नि. के अध्यक्षता में एक बैठक

Queensland), Karari, Kamau Clement, (Sorghum Breeder, Kenya Agricultural Research Institute, Kenya), Vincent Vadez (Sorghum Physiologist, ICRISAT) and Santosh Deshpande (Sorghum Breeder, ICRISAT).

The researchers from Australia are the partners of the ongoing (since July 2008) collaborative project between ICRISAT-DSR-ILRI-QDPI AUS-UQ AUS funded by ACIAR Australia. Dr HS Talwar (Principal Scientist, Plant Physiology) is the participating scientist in this international collaborative project from DSR. The group was visiting Hyderabad to participate in the dissemination workshop in ICRISAT from February 19-21 and discuss the extension for the possible second phase of this project. At DSR, the group was given the overview of our ongoing research activities by Director. The group also visited the Lysimetry facility for water use efficiency measurement (developed thru the funding of ACIAR funded project), Centre of excellence, Biotechnology and entomology laboratories. The group was highly impressed with the facilities and the standard of research work going on at our institute. The visit was coordinated by Dr HS Talwar!

Training Programmes on “Post Harvest Technologies of Sorghum/ Millets”

Directorate of Sorghum Research organized three training programmes entitled “Post Harvest Technologies of Sorghum/ Millets” during 12 – 13 February, 2013, For Maharashtra farmers, 19-20 Feb, 2013 for Karnataka farmers and 22-23, Feb 2013 for Andhra Pradesh farmers under INSIMP project. 20 participants from different districts of AP participated in each programme. Dr. JV Patil, Director welcomed the dignitaries and



participants and briefed them about the intention of organizing the training programme. Mr K Nirmal Reddy, ITC (ABD) delivered the inaugural address. Dr B Dayakar Rao, Course Director, DSR presented the overview of

sorghum value chain project and experiences and its impact on farmers. Guest lecturers were delivered by Dr. Rajendra Prasad Dy. Director, (NIN); Dr R G Math, Principal Scientist, CFTRI, Hyderabad and Mr A Natarajan, S8 Medeas, Hyderabad. Demonstration and operation of primary processing equipment was done by Mr. Thomas Nicodemus. The NAIP team at DSR including Mrs. Vishala Devender, Mr Srinivas, Mr. Sharath and Ms. Niharika demonstrated the preparation of recipes from 'eatrite' sorghum food products. Dr. B Dayakar Rao, CPI of the project and Mr. P Mukesh, Scientist (Sr.Scale) were the course coordinators.

Institute Bio-safety Committee (IBSC) meeting

The Institute Biosafety Committee (IBSC) meeting of DSR was held on 25th February 2013 under the Chairmanship of Dr. JV Patil, Director, DSR to discuss the progress of research projects and implementation of the biosafety issues at the Directorate. The other members of the committee were, Prof. KV Rao, CPMB, Osmania University (DBT-Nominee), Dr. SM Balachandran, Principal Scientist, DRR (External Expert), Dr. P Rajendrakumar, Senior Scientist, DSR (Member Secretary), Drs. KBRV Visarada, BV Bhat, and D Balakrishna (DSR members) and Dr Nuzhath Fatima (Medical Officer). The committee reviewed the progress of on-going transgenic research projects and biosafety measures implemented by the Directorate. Minutes of the meeting are being prepared and forwarded to RCGM. No bio-hazards were recorded according to the Medical Officer, Dr Nuzhath Fatima.

Field Day on Rabi Sorghum organized by AICSIP, Tandur

A Field Day on Rabi Sorghum was organized in Gopalpur Village of Peddemul Mandal in Ranga Reddy District, A.P on 18th Feb, 2013 by AICSIP, Tandur under frontline



demonstration (FLD) programme. About one hundred farmers including FLD beneficiaries have attended the programme. They were shown successful demonstrations which shows productivity potentials of CSV 22R under farmer's field situations to the non-beneficiary and neighbouring farmers of the Gopalpur village and nearby villages. The programme was covered by the local print and electronic media. In this village, all the participatory farmers participated in this programme who were allotted FLDs on improved sorghum cultivar, CSV 22R during Rabi 2012-13. A field visit was also organized where all the participants have seen the field performance of the demonstrated cultivars over the local. The crop is at maturity stage. They impressed with the performance of the CSV 22R and asking seeds for its cultivation in next year. They had a discussion with experts and scientists of the centre.

Promotions

Based on the recommendations of the ASRB the following Senior Scientists (Plant Breeding) were elevated to the post of Principal Scientist through the career advancement scheme:



Dr. C Aruna Reddy, Dr. R Madhusudhana and Dr. AV Umakanth.

Congratulations to all!

Monitoring of rabi AICSIP trials

The monitoring of rabi sorghum trials was conducted at MAU, Parbhani on 6 February 2013 by the team headed by Dr. I.K. Das, Principle Scientist (Plant Pathology), DSR, Hyderabad and assisted by Dr.S.R. Gadakh, Senior Sorghum Breeder, M.P.K.V. Rahuri, Dr. N.S. Thakur, Sorghum Agronomist, Indore and Dr. D.B. Pawar, Sorghum Entomologist, M.P.K.V. Rahuri. Most trials were sown during mid-October using residual soil moisture. Whereas shootfly trials were sown during mid-September and aphid and INM trials during mid-November. Crops experienced drought as no rains were received on standing crop (30% deficit in total rainfall). Plant stand and crop managements were good and some of the trials were managed with life saving irrigation. Details are available in tour report.

ICAR's Sports meet

The ICAR south zone sports meet was held from 18 - 22 February, 2013 at Nehru stadium, Coimbatore. Contingent from DSR numbering 16 players actively participated in many events. This meet was organized by Sugarcane Breeding Institute, Coimbatore.



Visitors

Farmers from Maharashtra

A group of 40 students from Marathwada Agricultural University, Aurangabad, Maharashtra visited DSR on 15 February 2013 to get detailed know-how about the sorghum crop and its usefulness. Dr. KBRS Visarada, Principal scientist, Biotechnology Department, gave orientation about the latest techniques in biotechnology to the students. This visit was coordinated by Sh. Harshal Gawali.

43rd AGM of AICSIP at Hyderabad

To mark the eve of the 50th (Golden jubilee) year of sorghum research in India, the 43rd annual sorghum group meeting is scheduled to be held during 20 - 22 April, 2013 at Directorate of Sorghum Research, Hyderabad. A meeting was held on 4th February 2013 under the Chairmanship of Dr. JV Patil, Director to discuss and finalize the programmes of AICSIP at Hyderabad. About 210 participants including those from ICAR, SAUs, ICRISAT, NGOS, State Seed Corporations, Private sector seed companies are expected to attend

Meetings (M)/ Workshop (W) Conference (C) Training (T) attended

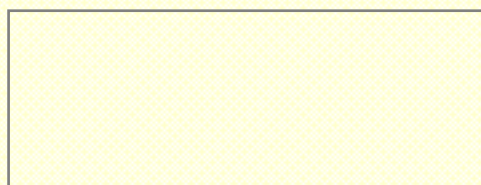
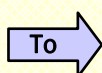
S. No	Name of the Official	Participated in	Type	Venue	Dates
1	PG Padmaja	7 th Meeting of Task Force on Biological Agents for Agriculture	M	Goa	7-9 Feb, 2013
2	JV Patil	Global consultancy on use and management of Agro biodiversity for sustainable food security	S	ICAR, New Delhi	12 Feb, 2013
3	KN Ganapathy	Meeting on "Crop improvement and adaptive strategies to meet challenges of climate change"	M	UAS, Bangaluru	22-23 Feb, 2013
4	KN Ganapathy	seed meeting	M	Krishi Bhawan, New Delhi	25 Feb, 2013
5	C Aruna Reddy	7 th review meeting of DUS test centres organized by Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA)	M	IIVR, Varanasi	28 Feb, to 1 Mar, 2013

Thought for the month

The final test of a leader is that he leaves behind him in other men the conviction and the will to carry on.

Walter Lippmann

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Compilation, Editing & Layout :

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Dr. JV Patil, Director,
Directorate of Sorghum Research

From:

Directorate of Sorghum Research (DSR)

Hq. Rajendranagar, Hyderabad, 500 030 (AP)
Tel: 040-24015349, 24018651
Fax: 040-24016378
Email: dsrhyd-ap@nic.in
Website: www.sorghum.res.in

Centre on Rabi Sorghum (DSR), NH 9,
Bypass, Shelgi, Solapur - 413 006 (Mah.)
Tel: 0217-2373456
Telefax: 0217-2373456
E mail: sdapur@sorghum.res.in

Sorghum Off-Season Nursery, Warangal
Officer-In-Charge
Directorate of Sorghum Research
RARS, (ANGRAU)
Mulugu Road,
Warangal.