



# Sorghum

## Newsletter



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### Field Day on Sorghum organized for Tribal Farmers

Directorate of Sorghum Research (DSR), Hyderabad organized a field day under tribal sub plan (TSP) on October 21, 2013 at Amba



village, Jhabua district, Madhya Pradesh. The main objective of the programme was to create awareness and build-up confidence to adopt improved sorghum production technologies and thereby increasing the profitability of agriculture for socio-economic upliftment of the tribal farmers. Around 105 sorghum farmers of this area attended the programme. Dr. JV Patil, Director, DSR welcomed all the participants and gave orientation about improved sorghum cultivation, and role of DSR for increasing the benefits from sorghum cultivation. The farmers were impressed with the performance of sorghum variety having big size panicles and juicy stem compared to their local.

### DSR bags First Prize of TOLIC-Twin cities

DSR's annual in-house magazine "Jowar Sourabh" (Vol. 3) bagged the first prize under "Best Hindi Annual Journal 2012-13" category



Happenings at DSR and AICSIP news No. 121; September, 2013

### समाचार सारांश

**इस परीक्षण प्रयोगों का अनुवीक्षण :** पा.कि.कृ.अ.सं. प्राधिकरण के दिशा-निर्देशों के अनुसार डॉ. आर सी शर्मा, भूतपूर्व संकाय अध्यक्ष, बागवानी महाविद्यालय, बागवानी तथा वानिकी विश्वविद्यालय, नौनी, सोलन की अध्यक्षता में 1 अक्टूबर, 2013 को निदेशालय में आयोजित इस परीक्षण प्रयोगों का अनुवीक्षण किया गया। परीक्षणाधीन बीज के प्रतिनिधि डॉ. विलास ए टोणपी तथा डॉ. एम एलंगोवन, ज्वा.अनु.नि. तथा निजी बीज कंपनियों अर्थात् सर्वश्री नुजिवीडु सीड्स, सर्वश्री कावेरी सीड्स के प्रतिनिधि भी उक्त अनुवीक्षण में उपस्थित थे। डॉ. के हरिप्रसन्ना, नोडल अधिकारी, ज्वा.अनु.नि. ने उम्मीदवार किस्मों के इस परीक्षणों के संबंध में विस्तृत विवरण प्रस्तुत किया। डॉ. अरुणा सी रेड्डी, सह-नोडल अधिकारी ने उक्त अनुवीक्षण को सुकर बनाया। राहुरी में डॉ. तेजबिर सिंह, कुलसचिव ने अनुवीक्षण दल में पा.कि.कृ.अ.सं. प्राधिकरण का प्रतिनिधित्व किया।

**अनुवीक्षण दल द्वारा प्र.बी.उ. की समीक्षा :** विभिन्न विश्वविद्यालयों से रा.बी.प. के विशेष अधिकारी - डॉ. एम भास्करन (टी.एन.ए.यू. कोयंबतूर), डॉ. वी एस देवदास (के.ए.यू. त्रिशुर), डॉ. नारायणस्वामी (यू.ए.एस. बेंगलूर), डॉ. मदन कुमार (डी.एस.आर. मऊ), डॉ. विष्णुवर्धन रेड्डी (ए.एन.जी.आर.ए.यू. हैदराबाद), डॉ. सुधाकर (ए.एन.जी.आर.ए.यू. हैदराबाद) शामिल दक्षिण क्षेत्र के राष्ट्रीय बीज परियोजना अनुवीक्षण दल ने 24 अक्टूबर 2013 को निदेशालय का दौरा किया। अनुवीक्षण दल ने निदेशालय में प्रजनक बीज उत्पादन के अंतर्गत बीज उत्पादन गतिविधियों तथा उनमें हुई प्रगति की समीक्षा की। डॉ. जे वी पाटील, निदेशक, ज्वा.अनु.नि. की उपस्थिति में डॉ. विलास ए टोणपी (नोडल अधिकारी बीज) तथा डॉ. ए वी उमाकांत (सह-नोडल अधिकारी बीज) ने निदेशालय में इस संबंध में हुई प्रगति की विस्तृत जानकारी प्रदान की।

**“ज्वार सौरभ” को नराकास-हैदराबाद-सिकंदराबाद की ओर से प्रथम पुरस्कार :** ज्वार अनुसंधान निदेशालय, हैदराबाद द्वारा प्रकाशित “ज्वार सौरभ” नामक गृह-पत्रिका के अंक - 3 को नगर राजभाषा कार्यन्वयन समिति-हैदराबाद-सिकंदराबाद की ओर से वर्ष 2012-13 हेतु श्रेष्ठ पत्रिका के रूप में प्रथम पुरस्कार प्रदान किया गया है। केंद्रीय यूनानी चिकित्सा अनुसंधान संस्थान, हैदराबाद में 23 अक्टूबर, 2013 को आयोजित नराकास-हैदराबाद-सिकंदराबाद की 49वीं बैठक के दौरान निदेशालय के प्रतिनिधि के रूप में उपस्थित डॉ. जे एस मिश्र तथा डॉ. महेश कुमार ने डॉ. बी वेंकटेश्वरु, निदेशक, केंद्रीय बारानी कृषि अनुसंधान संस्थान तथा अध्यक्ष, नराकास के कर-कमलों से उक्त पुरस्कार एवं प्रमाण-पत्र प्राप्त किया। इस अवसर पर डॉ. एम ए वहीद, निदेशक, केंद्रीय यूनानी चिकित्सा अनुसंधान संस्थान तथा अन्य संस्थानों के निदेशक एवं गणमान्य व्यक्ति भी उपस्थित थे।

**सतर्कता सप्ताह :** ज्वार अनुसंधान निदेशालय में 28 अक्टूबर से 2 नवंबर, 2013 के दौरान सतर्कता जाकरूकता सप्ताह समारोह मनाया गया। इस समारोह का प्रमुख आशय “सुशासन को प्रोत्साहन – सतर्कता का सकारात्मक योगदान” था। इस समारोह के शुभारंभ के अवसर पर 28 सितंबर, 2013 को निदेशालय के स्टाफ द्वारा सत्यनिष्ठा की प्रतिज्ञा ली गई। इसके अलावा उक्त सप्ताह के दौरान “सुशासन को प्रोत्साहन – सतर्कता का सकारात्मक योगदान” विषय पर निबंध-लेखन, प्रतियोगिता का आयोजन भी किया गया।

**श्रेष्ठ लेख प्रस्तुतीकरण पुरस्कार :** रा.कृ.अनु.प्र.अ., में 14-15 अक्टूबर, 2013 के दौरान एग्री-बायोडायवर्सिटी मैनेजमेंट फॉर सस्टेनेबल रूरल डेवेलपमेंट पर आयोजित राष्ट्रीय सम्मेलन में डॉ. एम एलंगोवन को एग्रिकल्चर एंड फिल्ड क्रॉप पर तकनीकी सत्र में सोरघम जर्मप्लाज्म डायवर्सिटी इन इंडिया पर मौखिक प्रस्तुतीकरण हेतु श्रेष्ठ लेख प्रस्तुतीकरण पुरस्कार प्रदान किया गया। निदेशालय परिवार उन्हें हार्दिक बधाई देता है !

**सेवानिवृत्त :** श्री पी किष्ट्या, टी-1-3 (वाहन-चालक), ज्वा.अनु.नि. 31 अक्टूबर, 2013 को परिषद की सेवाओं से सेवानिवृत्त हुए। निदेशालय परिवार उनके खुशहाल, स्वस्थ तथा सक्रिय जीवन की कामना करता है !

**व्याख्यान :** डॉ. जे एस मिश्र, प्रधान वैज्ञानिक (सस्य विज्ञान), ज्वा.अनु.नि. ने क्रिडा में लघु पाठ्यक्रम प्रशिक्षण के दौरान क्रमशः 25 तथा 29 अक्टूबर 2013 को क्रॉप मैनेजमेंट स्ट्रेटेजिस फॉर क्लाइमेट चेंज एडाप्टेशंस : सोरघम-बेस्ड प्रोडक्शन सिस्टम तथा वीड मैनेजमेंट स्ट्रेटेजिस फॉर एडाप्टेशंस एंड मिटिगेशन ऑफ क्लाइमेट चेंज विषयों पर व्याख्यान दिए।

**अ.भा.स.ज्वा.उ.प. परीक्षणों का अनुवीक्षण :** डॉ. जे एस मिश्र, प्रधान वैज्ञानिक (सस्य विज्ञान), ज्वा.अनु.नि. ने डॉ. शेखरप्पा, धारवाड़ तथा डॉ. बी आर राणवाह, उदयपुर के साथ 10-11 अक्टूबर 2013 के दौरान इंदौर में खरीफ अ.भा.स.ज्वा.उ.प. परीक्षणों का अनुवीक्षण किया।

### आगन्तुक

**आ.प्र.ग्रा.वि.अ. के निदेशक का दौरा :** डॉ. के चंद्रमौलिनिदेशक, आ.प्र.ग्रा.वि.अ. ने 28 अक्टूबर 2013 को निदेशालय का दौरा किया। डॉ. जे वी पाटील, निदेशक, ज्वा.अनु.नि. ने उन्हें निदेशालय में संचालित वर्तमान गतिविधियों, भावी अनुसंधान क्षेत्रों के संबंध में जानकारी प्रदान की।

**रायचूर से छात्र :** कृषि महाविद्यालय, रायचूर, कर्नाटक से डॉ. शिवानंद कुमार, असोशिएट प्रोफेसर के साथ बी.एससी. (कृषि) के 70 छात्रों ने 23 अक्टूबर 2013 को निदेशालय का दौरा किया। उन्हें संस्थान की अनुसंधान गतिविधियों के बारे में संक्षिप्त जानकारी प्रदान की गई।

**वि.शि.सं., राजेन्द्रनगर से प्रशिक्षार्थी :** विस्तार शिक्षा संस्थान, राजेन्द्रनगर, हैदराबाद के माध्यम से डॉ. एम श्रीनिवासुलु, असोशिएट प्रोफेसर के नेतृत्व में 20 अंतर्राष्ट्रीय प्रशिक्षार्थियों ने 30 अक्टूबर 2013 को निदेशालय का दौरा किया। उन्हें यहां संचालित अनुसंधान एवं विकास के संबंध में जानकारी प्रदान की गई।

**आ.एन.जी.रं.कृ.विवि. से छात्र :** आ.एन.जी.रं.कृ.विवि., हैदराबाद से डॉ. टी रमेश तथा डॉ. के एस डांगी के नेतृत्व में 20 छात्रों ने 22 अक्टूबर 2013 को निदेशालय का दौरा किया। उन्हें नवीनतम प्रौद्योगिकियों तथा ज्वार के विविध खाद्य से संबंधित साहित्य प्रदान किया गया।

**-डॉ. महेश कुमार**

from the Town Official Language Implementation Committee (TOLIC) of Hyderabad Chapter constituted by the Department of Official Language, Ministry of Home Affairs, Government of India. Dr. JS Mishra and Dr. Mahesh Kumar, DSR received the Memento and Certificate from Dr. B Venkateswarlu, Director, CRIDA, Hyderabad during 49th TOLIC meeting held at Central Research Institute of Unani Medicine (CRIUM), Hyderabad on 23rd October 2013. DSR staff congratulates the editorial team for this achievement.

### Monitoring of sorghum DUS testing trials

The monitoring of sorghum DUS testing trials conducted at DSR was held on 1st October 2013 under the Chairmanship of Dr. RC Sharma, Former Dean, College of Horticulture, University of Horticulture & Forestry, Nauni, Solan as per the guidelines of PPV&FR Authority. Drs. Vilas A Tonapi and M Elangovan from DSR, and representatives from the Private seed companies viz., M/S Nuziveedu Seeds and M/S Kaveri Seeds, whose candidate varieties were tested for DUS, also attended the monitoring. Dr. Hariprasanna K, Nodal Officer, DSR explained the DUS testing for different candidate varieties taken up along with the claimed distinct characteristics for each candidate variety and the expression of the same at DSR. Dr. Aruna C, Co-Nodal Officer also facilitated the monitoring. There were 16 candidate and 17 reference varieties under 1st year testing, and 7 candidate and 9 reference varieties under 2nd year testing. The Chairman appreciated the overall conduct of DUS testing trials. Wherever there was slight difference in the observed and claimed traits, it was noted and the same was conveyed to the respective representatives who agreed with the observation of the monitoring committee. The report of the monitoring team and DUS test proformae for the candidate varieties were prepared by the team. The DUS testing trials conducted at MPKV, Rahuri was monitored on 3rd October 2013 under the Chairmanship of Dr. ST Borikar, Former Director (Research), MKV, Parbhani. Dr. Tejbir Singh, Registrar represented the PPV&FR Authority in the monitoring team at Rahuri. Drs. VR Shelar and AR Karjule, STRU, MPKV, Rahuri coordinated the monitoring.

### Monitoring team reviews BSP

The National Seed Project's monitoring team for southern zone consisting of NSP Special Officers (Seeds) from various



universities: Dr. M Bhaskaran (TNAU, Coimbatore), Dr. V S Devadas (KAU, Thrissur), Dr. Narayanaswamy (UAS, Bangalore), Dr. Madan Kumar (DSR, Mau), Dr. Vishnuvardhan Reddy (ANGRAU, Hyderabad), Dr. Sudhakar (ANGRAU, Hyderabad) visited DSR on 24 October, 2013. The team members reviewed the seed production activities and progress made at DSR under Breeder Seed Production. Dr. Vilas A Tonapi (Nodal Officer seed) & Dr A V Umakanth (Co-Nodal officer) explained the progress in the presence of Dr. JV Patil, Director, DSR. The monitoring team congratulated DSR for achieving the target almost beyond 100%.

### ICRISAT – DSR collaborative International training on “Sorghum Hybrid Parents”

Directorate of Sorghum Research and ICRISAT conducted the 4th International training Course on “Sorghum hybrid parents’ improvement and seed production” during 30 September and 11 October, 2013. The dignitaries during the inaugural session on the dais were: Ms. J Kane-Potaka, Director, Strategic management

and communication, Dr. Rajesh Agarwal, ADG, and Dr. Trushar Shah, Scientist, Bioinformatics from ICRISAT and Dr. Vilas A



Tonapi, Principal Scientist, DSR. Total 22 participants from Mali, Sudan, Ethiopia, Nigeria, Burkina Faso, Togo and India participated in this programme. The course dealt with theory and practice of sorghum breeding with reference to yield, nutrition, biotic and abiotic stress, integration of new tools with sorghum improvement, Data management, Seed production, processing and marketing, alternative uses and commercialization etc. The participants also visited the facilities at ICRISAT and DSR. The faculty from DSR, ICRISAT and industry contributed their knowledge in theory and hands on training.

### DSR processes ISO certification

DSR aims to enhance quality research through the effective application of the system. According to the councils guidelines ISO certification is one of the most important factor of RFD. In this context, DSR has awarded the work of consultancy services for requisite documentation to M/s. Reliance Quality Consultant, Hyderabad for obtaining ISO 9001:2008 certification. DSR also organized an interactive meeting of scientists and other staff with the consultant for getting clarifications on the procedures on 25 October, 2013. The discussion and documentation process commences in the first week of November, 2013.

### Vigilance week

DSR observed "Vigilance awareness week" from 28th October to 2nd November, 2013. "Promoting Good Governance - Positive Contribution of Vigilance" is the theme of observing Vigilance Awareness Week. This programme commenced with an oath taking ceremony on 28th October at 11:00 AM. All the staff took a pledge in the national and regional languages to eradicate corruption in all spheres of life and also to perform duties without any favour and fear. An essay competition on the theme "Promoting Good Governance - Positive Contribution of Vigilance" was also held on 30 October, 2013.

### Superannuation

Mr. P Kishtaiyah, T-1-3 (Driver), superannuated from Council's service on October 31, 2013. In this regard, A farewell was offered



to him by the institute's recreation club. Dr. SS Rao, Director in-charge, DSR presented him a token memento. DSR staff recollected his services and wished him a happy, healthy and active retired life.

### Best Paper Award

Dr M Elangovan's oral presentation on "Sorghum germplasm diversity in India" in the technical session on "Agriculture and Field

Crops" was awarded the "Best Paper Presentation" during the National Conference on Agri-Biodiversity Management for Sustainable Rural Development held at NAARM during 14-15th October 2013. The award was presented by Dr RS Gandhi, ADG (Animal Production and Breeding), ICAR, New Delhi in the presence of Dr Hampaiah Ralladoddi, Chairman, Andhra Pradesh Biodiversity Board; Dr S Dam Roy, Director, CARL, Port Blair and Dr SL Goswami, Director, NAARM. Dr. Elangovan also discharged the duty of rapporteur during the technical session and presented the recommendations. DSR family congratulates him for this honor.

### Lectures Delivered

**Dr. JS Mishra**, Principal Scientist (Agronomy) of DSR delivered two lectures during a short course training programme entitled "Adaptation and mitigation strategies for Climate Resilient Agriculture" held at CRIDA, Hyderabad. He addressed the trainees on the topics "Crop Management Strategies for climate change adaptations: Sorghum-based production systems" on 25th Oct, 2013 and "Weed management strategies for adaptation and mitigation of Climate Change" on 29th Oct, 2013.

**Dr. Vilas A Tonapi** delivered lectures on forage sorghum, Maize and Pearl Millet seed production techniques" at Directorate of Seed Research, Mau, and also participated in the meeting on fodder security with officers of NDDB and State diary corporations on 20 October, 2013. Dr. Tonapi also delivered a lecture on "Supply Chain Management in Seeds" at national training programme on "Supply chain Management" organized at NAARM, Hyderabad on 9 October, 2013.

### Monitoring of AICSIP Trials

**Dr. JS Mishra**, Principal Scientist (Agronomy) of DSR Monitored the kharif AICSIP trials at Indore during 10-11 Oct, 2013 along with Dr. Shekharappa from Dharwad and Dr. BR Ranwah from Udaipur.

**Drs. Vilas A Tonapi, HS Talwar and A Kalaisekar** monitored the conduct of and progress of Kharif AICSIP trials of MAU, Parbhani and PDKV, Akola during 18-19 October, 2013.

### Visitors

#### Visit of Director, APARD

Sh. K Chandramauli, Director, APARD, Hyderabad, visited DSR on 28 October, 2013. Dr. JV Patil, Director, DSR described on the institute's current activities, aspirations and thrust areas with



respect to all research matters. He also served the novel sorghum foods being popularized by the institute and discussed the initiatives on entrepreneurship development activities.

**Students from Raichur:** Dr. Shivanand Kumar, Associate Professor along with a group of 70 B.Sc. (Agri.) students from Agriculture College, Raichur, Karnataka visited DSR on 23 October, 2013. They were briefed about the research activities at the institute and preparation of value-added products and health foods from sorghum. They also visited various laboratories. Relevant literature was also provided on latest improved technologies and different sorghum food products.

**Students from ANGRAU:** Twenty students of ANGRAU, Hyderabad visited at DSR on 22 October, 2013 to get exposure about the activities related with sorghum research. The team was led by Drs. T Ramesh and KS Dangi. They also visited various laboratories. Relevant literature was also provided on latest improved technologies and different sorghum food products.

**Trainees from EEI, Rajendranagar:** Twenty international trainees from Africa visited DSR on 30, October, 2013 through Extension Education Institute, Rajendranagar, Hyderabad. The team was led by Dr. M Srinivasulu, Associate Professor. The team visited DSR to get exposure about the sorghum research and developments, as a part of their curriculum. Dr. AV Umakanth briefed them on the institute's research activities and sorghum scenario. It was followed by visit to the food processing lab where they interacted with the experts on sorghum foods preparation and their marketing.

### Meetings (M) / Symposia (S)/ Workshops (W)/ Trainings (T) Conferences (C) attended

S. No	Name of the Official	Participated in	Type	Venue	Dates
1.	V Ravi kumar	Training programme on "Plant Genetic Resources and Gene bank Management"	T	ICRISAT, Patancheru, Hyderabad	7-12 Oct, 2013.
2	Vilas A Tonapi	Meeting and Hearing on Parental line status	M	PPV&FRA, New Delhi	10 Oct, 2013
3	M Elangovan	National Conference on Agri-Biodiversity Management for Sustainable Rural Development	C	NAARM, Hyderabad	14-15 Oct 2013.
4	Vilas A Tonapi	Meeting on fodder seed production and training on forage seed forge seed production	M & T	DSR, Mau	19-20, Oct, 2013
5	J S Mishra & Mahesh Kumar	Meeting of TOLIC (Hyderabad-Secunderabad Chapter)	M	Central Research Institute of Unani Medicine (CRIUM), Hyderabad	23 Oct, 2013
6	VR Bhagwat & RR Chapke	Meeting at National Agri-Fair	M	CICR, Nagpur	29-31 Oct, 2013

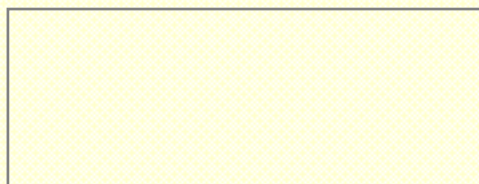
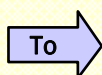


### Thought for the month

*An error does not become truth by reason of multiplied propagation, nor does truth become error because nobody sees it.*

**- Mahatma Gandhi**

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