



## Happenings at NRC for Sorghum, and AICSIP news

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### DDG (CS) inaugurates "Jowar Sabhagar"

Dr. PL Gautam, Deputy Director General (Crop Sciences), ICAR, visited NRCS on 2 August 08. He had a



Dr. PL Gautam, DDG(CS) inaugurating Jowar Sabhagar

brief discussion with the scientific fraternity and reviewed the ongoing activities. He also inaugurated the newly constructed meeting hall entitled "Jowar Sabhagar" on 2 August 08. This hall is equipped with audio visual equipment, posters and live exhibits, and can meet the need to address small gatherings and farmer's meetings. Dr. DM Hegde, Director DOR and Dr. BC Viraktamath, Director, DRR also graced the occasion.

### Research Advisory Committee meeting

The 9<sup>th</sup> Research Advisory Committee (RAC) meeting was held under the Chairmanship of Dr. S Raghuvardhan Reddy, Former Vice-Chancellor, ANGRAU, Hyderabad at NRCS during 30 August 2008. ICAR was represented by Dr. SN Shukla, ADG (FFC). Other distinguished members present were: Dr. R Parameswarappa, Ex-Director of Research (UAS, Dharwad), Dr. HP Singh, Ex-Director (CRIDA), N Seetharama, Director NRCS and Dr.

### समाचार सारांश

उपमहाविदेशिक (फसल विज्ञान) द्वारा "ज्वार सभागार" का उद्घाटन : डॉ. पी.एल. गौतम, उपमहाविदेशिक (फसल विज्ञान), मा.कृ.अनु.प. ने 2 अगस्त 08 को रा.ज्वा.अनु.कें. का दौरा किया। उन्होंने वैज्ञानिक संगठन के बारे में बर्बाद की तथा संस्थान में प्राचीन गतिविधियों की समीक्षा की एवं संस्थान में स्व-निर्मित "ज्वार सभागार" का भी उद्घाटन किया।

अनुसंधान रालाहकार समिति की बैठक : रा.ज्वा.अनु.कें., हैदराबाद में 30 अगस्त 2008 को डॉ. एस. रघुवर्धन रेड्डी, भूतपूर्व उप-कुलाधि, अध्यक्ष एवं श्री रंग सुधि विश्वविद्यालय, हैदराबाद की अध्यक्षता में अनुसंधान रालाहकार समिति की 10वीं बैठक सम्पन्न हुई। अनुसंधान संज्ञ के प्रमुखों ने प्रस्ताव प्रस्तुतियों एवं परियोजनाओं के प्रस्तावित परिणामों पर प्रस्तुतीकरण दिए।

संस्थान प्रबंधन समिति की बैठक : रा.ज्वा.अनु.कें., हैदराबाद में 28 अगस्त 2008 को संस्थान के निदेशक की अध्यक्षता में अनुसंधान रालाहकार समिति की 10वीं बैठक सम्पन्न हुई। इस बैठक में प्रशासन, वित्त, निर्माण, व्यापारीकरण तथा 11वीं योजना से संबंधित सभी मुद्दों की समीक्षा की गई।

डॉ. के. हरीप्रसाद द्वारा रा.ज्वा.अनु.कें. में कार्यभार ग्रहण : रा.ज्वा.अनु.कें., जुनागढ़ में वैज्ञानिक के रूप में कार्यरत, डॉ. के. हरीप्रसाद ने 28 अगस्त 2008 को रा.ज्वा.अनु.कें. में वरिष्ठ वैज्ञानिक के रूप में कार्यभार ग्रहण किया। उनका ई-मेल आई.सी. [hariprasad@nrscsorghum.icsar.in](mailto:hariprasad@nrscsorghum.icsar.in) है।

ट्रांसजेनिक ज्वार पर निजी क्षेत्र से गरसर बार्ता : ट्रांसजेनिक परीक्षणों हेतु लाइसेंस देने तथा उनके अंतिम व्यापारीकरण के लिए रा.ज्वा.अनु.कें. निजी उद्योगों से विचार-विमर्श कर रहा है। रा.ज्वा.अनु.कें. ने तना-वेधक के नियंत्रण हेतु उन्नत पौधों के विकास के लिए बीटी ट्रांसजेनिक के मूलांकन हेतु निजी कंपनियों को आमंत्रित किया है।

स्वतंत्रता दिवस समारोह : संस्थान में 15 अगस्त 2008 को बड़े ही उत्साह के साथ राष्ट्र का 61वाँ स्वतंत्रता दिवस समारोह मनाया गया। निदेशक, रा.ज्वा.अनु.कें. ने ध्वजारोहण के पश्चात् सभ्य को संबोधित किया।

हिंदी में गोष्ठी सह कार्यशाला : संस्थान में 28 अगस्त 2008 को "परिवर्तित मौसम का कृषि पर प्रभाव" विषय पर हिंदी में एक गोष्ठी सह कार्यशाला का आयोजन किया गया।

पदोन्नति : विभागीय पदोन्नति समिति की संरक्षित के अक्षर पर एम. अजय्य, के. वेंकटरामा, एम. संकन्या, आर. प्रकाश तथा पी. श्रीरामुलु को टी-2 से टी-3 श्रेणी में एवं एस. जोसेफ को टी-1 से टी-2 श्रेणी में पदोन्नत किया गया।

तकनीकी स्टाफ के साथ बैठक : निदेशक, रा.ज्वा.अनु.कें. ने 05 अगस्त 2008 को तकनीकी स्टाफ के साथ एक बैठक बुलाई। इस बैठक में पदोन्नति, कार्य-मानकों में सुधार आदि मुद्दों पर चर्चा की गई।

राजभाषा कार्यन्वयन समिति की बैठक : रा.ज्वा.अनु.कें., हैदराबाद में 27 अगस्त 2008 को राजभाषा कार्यन्वयन समिति की 10वीं बैठक सम्पन्न हुई।

सेवा-निवृत्त : श्रीमती जे. रैकटम्मा तथा श्रीमती सी. देवमा (दोनों एएसएसी-1) अविर्भिता पर 31 अगस्त 08 को सेवा-निवृत्त हुईं। संस्थान के स्टाफ ने उन्हें गरस्य एवं खुशहाल सेवा-निवृत्त जीवन हेतु शुभकामनाएँ दीं।

आगतुक : श्री पी. रघुसग, क्षेत्रीय प्रबंधक तथा डॉ. के. सुरेश साधु, नासुडु, परामर्शदाता व्यापार्य विकसक, राष्ट्रीय अनुसंधान विकास निगम, बैंगलोर ने 6 अगस्त 08 को संस्थान का दौरा किया। ज्वार पर उपलब्ध प्रौद्योगिकियों की सतृति तथा उनके लाइसेंसीकरण एवं व्यापारीकरण के मुद्दों पर, उन्होंने संस्थान के निदेशक एवं अन्य वैज्ञानिकों से विस्तृत रूप से बर्बा की।

हिंदी सारानुवाद : डॉ. महेश कुमार

HS Talwar, Member-secretary. The Director highlighted the progress made at NRCS during 2007-08, and projected short-term plan for sorghum R&D which was fully supported by relevant documents submitted to the committee. The task-force leaders presented the progress achievements and expected outcome from their projects. There were special presentations of priority theme areas consisting of tolerance to mold and drought



*Dr. SN Shukla (ADG,FFC) making a point during the meeting*

and on adaptations to climate change, charcoal rot management, breeding for shoot fly resistance, inter-specific hybridization, chemical mutagenesis and genetic improvement of sorghum stover quality. All scientists participated in the deliberations. The Chairman appreciated the overall efforts being made in developing new programme, at NRCS under special themes. The members were delighted to note increasing number of quality publications at NRCS. They further suggested the means of improving the quality of publications. The minutes are being finalized.

### Institute Management Committee meeting

The 17<sup>th</sup> Institute Management Committee (IMC) meeting was held at NRCS on 29 August, 2008 under the



*Discussions in progress during the IMC meet*

chairmanship of the Director. Other members of IMC present were: Dr. SN Shukla, ADG (FFC), Dr. SV Rao, Pr. Scientist NRCS, and Sh. KJ Mathai, Administrative Officer, NRCS. Drs. Vilas A Tonapi, Chari Appaji and HS Talwar were special invitees. All the issues related to administration, finance, works, commercialization and XI plan were reviewed. The minutes were sent to the Council for approval.

### Induction program for new scientists

NRCS has put in place a induction programme for the new scientists who have joined or joining this institute very soon. This orientation is to make them aware of our set values, benchmarks for performance, and ensure firm

basis for their career development. They will be provided with a welcome kit which contains literature on sorghum, Annual reports, Perspective plan of NRCS, Vision 2025 document, etc. All new scientists must give a seminar on selected topics related to their discipline within three months after joining. NRCS will organize a tour of sister ICAR institutions for them to familiarize with opportunities available locally.



**Dr K Hariprasanna joins NRCS:** Dr. K Hariprasanna, previously scientist (Breeding) at NRC Groundnut, Junagarh joined NRC Sorghum as senior scientist on 26 August 08. His e-mail id is: [hariprasanna@nrcores.in](mailto:hariprasanna@nrcores.in)

### Interaction with private sector on Sorghum transgenics

NRCS invited 20 private seed companies familiar with *Bt* technology to get their assessment and suggestions on *Bt* transgenics in advanced generation developed to



*Visitors inspecting the Bt transgenic sorghums*

control stem borer. The seed industry researchers Dr. Girish T Nikhade (GM) from Ankur seeds, Dr. Mohan Ahirrao from Metahelix Life Sciences Pvt Ltd; Dr. Pavan Kumar (Sr.Scientist), Dr. M Satya Prasad (Head Biotechnology) and Dr. P Basavaraju (Scientist) from Nuzividu seeds, Dr. AK Jayalekha, (Breeder) from Bayer biosciences, Dr. GK Garg, (Director R&D) from Krishidhan seeds visited stable transgenics at the institute. This programme was facilitated by Mr. D Balakrishna and Dr. PG Padmaja, two king-pins in evolving *Bt* technology at NRCS.

### Release of Publication

A book entitled "A decade of Front-line demonstrations on Sorghum : Results and Impact " (1996-97 to 2006-07) was formally inaugurated by Dr. S Raghuvardhan Reddy, Former Vice-Chancellor, ANGRAU, and chairman, RAC of NRCS on 30 August 08 at NRCS in the presence of Dr. SN Shukla, ADG (FFC) and other RAC members.

Pages: 72; ISBN No: 81-89335-21-9

Authors: Chari Appaji, S Ravi Kumar, Ch. Sashidhar



A book entitled "A decade of Front-line demonstrations on Sorghum : Results and Impact " (1996-97 to 2006-07) being released

Reddy, VR Bhagwat, P Mukesh and B Subbarayudu.

### Guest lecture on "IPR – A goldmine for researcher"

Dr. HH Kumaraswamy, Scientist, DOR, delivered a talk on "Intellectual Property Rights – A goldmine for researcher" at NRCS on 22 August 2008. He elaborated



Dr. HH Kumaraswamy, delivering his lecture

on the concurrent procedures of IPR and necessary measures for scientists and researchers on patenting process. Colleagues from the sister ICAR institutes also participated in the seminar besides scientists and research scholars at NRCS. This programme was organized by the NRCS Students Club and the guidance was provided by Dr. KBRV Visarada.

### Independence Day celebrated

The Nations 61st Independence Day was celebrated with great enthusiasm and gaiety on 15 August 08.



Director, NRCS hoisted the flag and addressed the gathering. He also distributed prizes to the winners of various sport events organized to mark the occasion. Dr. M Elangovan, Sr. Scientist and the event manager,

was actively assisted by numerous enthusiastic volunteers for organizing various competitions.

### Meeting with Technical staff

The meeting of technical staff with the Director was held on 05 August 2008, at 1.30 PM to discuss various issues such as career advancement, inter-disciplinary works,

and improvement of work standards at NRCS. A total of 34 staff members participated during the deliberations. The proceedings of the meeting are posted in the NRCS intranet.

### राजभाषा कार्यान्वयन समिति की बैठक

डॉ. एन सीताराम, निदेशक की अध्यक्षता में 27 अगस्त 2008 को संस्थान की राजभाषा कार्यान्वयन समिति की बैठक का आयोजन किया गया। बैठक में डॉ. वी आर भागवत, प्रमारी अधिकारी-हिंदी (उपाध्यक्ष), श्री के जे मथारू, प्रशासनिक अधिकारी, श्री एन वी आर एन मूर्ती, सहा. वित्त एवं लेखा अधिकारी, श्री डब्ल्यू एस मट्ट, सहा. प्रशा. अधि. (भंडार) श्री ए वी राव, सहा. प्रशा. अधि. (स्थापना), डॉ. के वी आर एस विशारदा, प्रमारी अधिकारी-पुस्तकालय, ईआर. पी. मुकेश, प्रमारी अधिकारी कृ.अनु.सू.वं, डॉ. रामवेन्द्र राव, प्रमारी अधिकारी- तकनीकी कक्ष (सदस्य) तथा डॉ. महेश कुमार, हिंदी अनुवादक (सदस्य-सचिव) उपस्थित थे। बैठक में हिंदी सप्ताह समारोह की रूपरेखा तय की गई तथा वह निर्णय लिया गया कि विषय-विशेष के आधार पर विशेषज्ञ के रूप में प्रतिवर्ष हिंदी में एक पत्रिका का प्रकाशन किया जाए।

### Hindi Samaroh



Dr. SN Shukla (ADG,FFC) expressing his views on global warming and its effect on agriculture

### हिंदी में गोष्ठी सह कार्यशाला

संस्थान में 29 अगस्त 2008 को "परिवर्तित मौसम का कृषि पर प्रभाव" विषय पर हिंदी में एक गोष्ठी सह कार्यशाला का आयोजन किया गया। डॉ. एस एन शुक्ला, सहायक महानिदेशक (फसल एवं चारा विज्ञान), मा.कृ.अनु.प. इस कार्यशाला के मुख्य अतिथि एवं वक्ता थे। डॉ. एन सीताराम, निदेशक, रा.ज्वा.अनु.के. द्वारा मुख्य अतिथि को पुष्प-गुच्छ एवं स्मृति-चिह्न गेंट करने के साथ ही कार्यक्रम का शुभारंभ हुआ।

डॉ. वी आर भागवत, प्रमारी अधिकारी-हिंदी, रा.ज्वा.अनु.के, डॉ. अजीज कुन्दी, कृषि वैज्ञानिक, विज्ञान अनुसंधान निदेशक तथा डॉ. एस पी सिंह, प्रधान वैज्ञानिक, बाकल अनुसंधान निदेशक ने क्रमशः जलवायु, जलवायु तथा जलवायु की फसल पर परिवर्तित मौसम के प्रभाव पर प्रवचन किया। डॉ. शुक्ला जी ने जलवायु, जलवायु आदि फसलों पर परिवर्तित मौसम के प्रभाव पर विस्तार से चर्चा की तथा बताया कि हमें परिवर्तित मौसम में भी फसलों को बनाए रखने हेतु प्रयास करने होंगे। डॉ. भागवत द्वारा वक्ताओं के बाद समारोह समाप्त हुआ। इस पूरे कार्यक्रम का सफल संचालन डॉ. महेश कुमार, हिंदी अनुवादक ने किया। इस समारोह को हैदराबाद से प्रकाशित दैनिक हिंदी समाचार पत्र, "हिंदी मिलाप" में भी सचित्र स्थान दिया गया।

## Institute Promotions



Based on the recommendations of the Departmental Promotion Committee (DPC), the following technical personnel were promoted from grade T2 to T-I-3 **L-R:** M Anjaiah, K Venkataswamy, M Shankaraiah, R Prakash, & P Sreeramulu. From grade T-1 to T-2: S Joseph. *Congratulations to all!*

## Superannuation

Smt. **J. Venkatamma** and Smt. **C. Devamma** (both SSG-I), who served the institute superannuated on 31 August 08. During the farewell ceremony organized on 30



*Smt. J. Venkatamma (Top) and Smt. C. Devamma being felicitated*

August 08, Director and staff recollected their services to the organization. Mementoes from staff recreation club were presented. The staff wished them very happy and healthy retired life.

## Visitors

Shri V Raghuram, Regional Manager and Dr. K Suresh Babu Naidu, Consultant Business Development, National

Research Development Corporation, Bangalore visited NRCS on 06 August 08. They had a detailed discussion



*Discussion of upscaling of technologies with NRDC officials*

with the Director and other scientists on the issue of up-scaling the available technologies on sorghum and licensing and commercialization. Issues relating to IPR protection, training components, including the mechanism to evolve contracts with the industries were also discussed. Drs. Vilas A Tonapi and CV Ratnavathi also participated in the discussions.

## AICSIP News

### Rabi trials dispatched

**Hyderabad:** The coding and packing of all the AICSIP trials under rabi were completed and the seeds dispatched to all the AICSIP centres for conduct of multi-location trials.

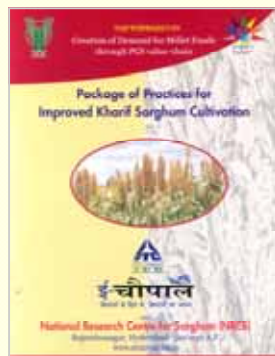
### Survey on disease of kharif sorghum at Rajasthan and Maharashtra

**Udaipur (Rajasthan):** Surveys were conducted on 24 July 2008 to assess insect pest and disease situation in Rajsamand, Railmagara, Vishanpura (Rajasamand District), Changeri and Bamania (Chittoregarh District) of Rajasthan by the scientific team of AICSIP, Udaipur. The survey revealed that timely planted sorghum escaped shootfly infestation. Stem borer damage in terms of deadhearts was recorded in few pockets in the farmer's fields, and the damage is in the range of 3-5 %. Moderate infection of target leaf-spot (*Bipolaris sorghicola*), anthracnose (*Colletotrichum graminicola*) and zonate leaf-spot (*Gloeocercospora sorghi*) were also observed. The samples were collected for further studies.

**Parbhani (Maharashtra):** Only about 25 to 30 % area under kharif sorghum on farmers' fields has been sown in the Marathwada region of Maharashtra, according to the sources from centre. However, there are chances to increase the rabi sorghum area since good amount of rains have been received in the month of August. The scientists recommends open furrow for conservation of soil moisture to increase the rabi sorghum yield.

## New Publications

### Package and practice for improved kharif sorghum cultivation



This publication from NRCS in collaboration with ITC, Secunderabad, deals with various aspects related to kharif sorghum cultivation including agronomic practices, sorghum based cropping systems, major insect pests of kharif sorghum, damage symptoms and their management, major sorghum diseases and their control, Integrated Nutrient Management system, Management of *Striga*, contingency plans for drought mitigation, along with the information of high yielding kharif sorghum cultivars.

### Kharif Jonna adhika digubadi ki sankethika Parijnanam (Telugu version of above book)



*Authors: B Dayakar Rao, Ch Sashidhar Reddy, K Nirmal Reddy and N Seetharama*

*For copies of both versions: Director, National Research Centre for Sorghum, Rajendranagar, Hyderabad 500 030*

## Forthcoming Events

NRCS intends to organize the following events in the month of September:

### Field-day-cum review of AICSIP activities

NRCS is organizing a field day-cum-review of AICSIP activities on 18th Sept.08. All officer in-charges and breeders of various AICSIP centres will participate in this programme.

### Seed Industry researchers meet

A one-day meeting of Seed growers, seed industry and researchers from ICAR and other related organizations is scheduled to be held on 22 September 08 at NRCS.

### Training course on “Value- addition and commercialization through alternate uses of sorghum and sweet sorghum for bio-ethanol production”

NRCS will be organizing a 8-day MoA-sponsored training course on “Value-addition and commercialization through alternate uses of sorghum and sweet sorghum

for bio-ethanol production” from 23-30 September 08 for the benefit of senior and field level officials of the 9 States department of agriculture involved in the transfer of technology for food and industrial use.

For further details please visit our Website: [www.nrcjowar.res.in](http://www.nrcjowar.res.in)

## New arrivals in NRCS library for reference

<u>Author</u>	<u>Title of the book</u>
Majid Husain ICAR	<b>Crop Combinations in India</b> <b>A New Technology For Dryland Farming</b>
Jesse R. Christie	<b>Plant Nematodes Their Bionomics And Control</b>
A.M. Winchester	<b>Genetics 3-Edition</b>
K. Mather	<b>Biometrical Genetics</b>
G.M. Reddy	<b>Gene Structure And Function In Higher Plants</b>
Dr. David N.Sen	<b>Environment And Seed Germination Of Indian Plants</b>
William Burrows	<b>Textbook Of Microbiology 20-Edition</b>
Harold D. Hughes	<b>Crop Production Principles And Practices</b>
E.J. Butler	<b>The Fungi Of India</b>
Dr. R.D. Saxena	<b>Elementary Entomology For Indian Students</b>
J.W.L. Beament	<b>Advances In Insect Physiology-3</b>
S.B. Chattopadhyay	<b>Diseases Of Plants Yieldings Drugs, Dyes And Spices</b>
George F. Sprague	<b>Corn and Corn Improvement</b>
D.P. Singh	<b>Stress Physiology</b>
Julian Gilbert Leach	<b>Insect Transmission Of Plant Diseases</b>
A.P. A. Vink	<b>Land Use In Advancing Agriculture</b>
Ramdane Dris	<b>Plant Nutrition Growth And Diagnosis</b>
Cecie Starr	<b>Cell Biology And Genetics</b>
Dinesh Arora	<b>Biotech's Dictionary Of Genetic Engineering</b>
P. Narayanan	<b>Patent law 3-Edition</b>

### Meeting (M)/ Symposia (S)/ Workshop (W)/ Training (T) / Conference (C) attended

S. No	Name of the Official	Participated in	Type	Venue	Dates
1	N Seetharama	SAU program review meeting organized by DBT as an expert committee member	M	DBT, New Delhi	04 Aug, 08
2	B Subbarayudu	Southern Telangana Zone –ZREAC (Rabi) meeting organized by ANGRAU.	M	Nalgonda	21-22 Aug, 08

### Official Tours

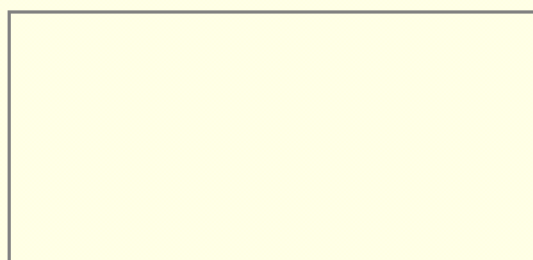
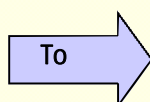
S. No	Name of the Official	Place Visited	Dates	Purpose
1	SS Rao	ICRISAT, Patancheru	11 Aug, 08	Participate in the discussion on the progress made so far in the sweet sorghum NAIP sub-project.
2	VR Bhagwat	JNKVV, Indore	20 -22 Aug, 08	To monitor AICSIP trials at Indore and visit to KVK Ujjain.
3	M Elangovan	NRCB, Trichy	19 -24 Aug, 08	To monitor and evaluate sweet sorghum germplasm and varieties
4	VR Bhagwat & C Aruna	TNAU, Coimbatore	31 Aug - 2 Sept, 08	To monitor AICSIP trials at Coimbatore & Bhavanisagar



### Thought for the month

Be faithful in small things because it is in them that your strength lies. - [Mother Teresa](#)

**Printed Matter / Book Post**



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