

### राष्ट्रीय ज्वार अनुसंधान केंद्र के क्रियाकलाप और अ.भा.स.ज्वा.उ.प के समाचार

हैदराबाद

सोलापुर

वरंगल



## Happenings at NRC for Sorghum, and AICSIP news

Serial No. 44

Hyderabad ? Solapur ? Warangal

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## Research on Apomixes in Sorghum reviewed at NRCS

The one-day brainstorming meeting on apomixis research sponsored by NFBSRA (ICAR) was held at NRCS, Hyderabad on 20 May, 2007 under the chairmanship of Prof. RP Sharma, University of Hyderabad. Other distinguished experts were: Prof. KR Shivanna (Member; Ex-





Discussions in progress during the meeting

Head, Dept. of Botany, University of Delhi;) Dr. NP Sarma, (Member; Ex-Head, Biotechnology, DRR), Prof. V. Dashawanth Reddy, (Member; Director of CPMB, Osmania University) and Dr. A Bandyopadhyay, National Coordinator (NAIP), ICAR, New Delhi. Dr. B. Venkatesh Bhat presented the outline of the NFBSRA project on inducing apomixis in sorghum and the work plan for NRCS for the year 2007-08. Dr. Vishnu Bhat, Dept. of Botany, Delhi University explained

#### समाचार सारांश

रा.ज्या.अनु.कें. में ज्यार असंगठानन पर अनुसंधानों की समीक्षा : रा.ज्या.अनु.कें., हैंदराबाद में 20 मई 2007 को प्रो. आर.पी. शर्मा, हैंदराबाद विश्वविद्यालय की अध्यक्षता में असंगजनन अनुसंधान राधा एन.एक.बी.एस.आर.ए. परियोजना की समीक्षा पर एक दिवसीय मस्तिष्क मंधन सभा का आयोजन किया गया ।

संस्थान के व्यवसाय विकास कक्ष की बैठक (IBDC) : डॉ. एन. सीसारामा, निदेशक की अव्यवसाय में 7 मई 2007 को संस्थान के व्यवसाय विकास कक्ष की पहली बैठक संगत हुई !

रा.ज्या.अनु.कॅ. में युक्त वैद्यानिक हेतु लघु अवधि अनुस्थापन पाठवकम : ठॉ. मनोज एम. कुरुकण्ये, वैद्यानिक (आण्यिक जीव विद्यान), जेव-प्रीयोगिकी संकाय, विद्या प्रतिष्वान, व्यापनती, महाराष्ट्र में 7 - 12 मई 2007 के दौरान रा.ज्या.अनु.कं. में "बारानी कृषि हेतु अजैवीक दबाव प्रवंधन में अधिनूयनताएं" पर अनुस्थापन प्रशिक्षण प्रत्यक्षम पूर्ण किया ।

सा.कृ.अनु.प. के व्यक्ति स्थारण निकाय की बैठक में ज्यार प्रकाम : रा.जा.अनु.में. को 13 मई 2007 को नई दिल्ली में आयोजित मा.कृ.अनु.प. के व्यक्ति स्थारण निकाय की बैठक में पाय मध्याहम के दौरान ज्यार प्रकाम (मीठा एवं ममजीन) वितरित करने का सुअवसर प्राप्त हुआ । इस बैठक के समन्वयक, की. नवाब अलि, उप महानिदेशक (अभियांत्रिकी) ने उसल पदार्थों के स्वाद की प्रशंसा की ।

वार्षिक लेखा: रा.कृ.जनु.प्र.का. में 24 मई 2007 को अवयोजित बैठक में कितीय वर्ष 2006-07 हेतु रा.ज्वा.अनु.कें. के वर्षिक लेखा को परिषद् के द्वारा स्वीकार किया गया !

#### अ.भा.स.ज्वा.उन्न.बरि. समाचार

मीरानीपुर में कृषक समा: रा.ज्या.अनु.कं. ने अ.मा.स.ज्या.उन्न.परि. के मीरानीपुर केंद्र के संयुक्त तत्यावधाल में 27 मही 2007 को मीरानीपुर में कृषकों की समस्याओं पर चर्चा एवं उनके उपयुक्त समाधाल हेतु एक कृषक समा का आयोजन किया । रा.ज्या.अनु.कं. ने ज्यार स्टाल पर श्रीण के नमुनों का प्रदर्शन किया । कृषकों ने सी.एस.वी. 15, सी.एस.वी. 20 (एस.पी.पी.1616), एस.पी.पी. 462 तथा सी.एस.वी. 16 किएमों के संबंध में जानकारी प्राप्त करने हेतु अत्यधिक रुधि

परबर्णी में बीजों का बिक्रय : म.कृ.विकि. परबर्णी तथा प.दे.कृ.विकि. आकोला के समिपस्थ ज़िलों (नांदेड, बीड, हिंगोली, लातुए तथा परबर्णी) के कृषकों को CSH 16 संकर बीजों की सीधे आपूर्ति में लग्मतार तीसरी बार सफलता प्राप्त हुई अर्थात् पडले डी दिन 1.8 टन बीजों की बिक्री हुई । प्रतिवर्ष नियव तिथि 18-19 मई को म.कृ.विकि. द्वारा आयोजित कृषि मेलों में रा.ज्या.अनृ.के. राज्य कृषि वेस्यविद्यालय तथा भारतीय कृषि अनुसंधान परिषद् के मामीदारी की छत्रछाया में बीजों का उत्पादम तथा विप्रणन करता है ।

अ.भा.स.ज्वा.उत्र.परि. व्यरीक परीक्षणों हेतु बीजों का प्रेषण : अखिल मारतीय समन्वित ज्वार उत्रयन परियोजना बहुएशतीय परीक्षणों का आयोजना किया मधा तथा क्षेत्र I, II तथा III हेतु II-II, IVT तथा AVHT के ऋप में वर्गाकृत किया गया । प्रविधियों का कोडीकरण करके परीक्षण पुनरावृत्ति हेतु ग्रेन ज्वार, द्वि-वर्दश्य ज्वार तथा भारा ज्वार के बीज मेजे गए।

कों पून. कन्न बाबू को मान्यता : ए१. ज्या.अनु.कें. के बीज वैज्ञानिक हों. एन. कन्न बाबू को मा.कृ.अनु.स. नई दिल्ली के क्षेत्र विज्ञान एवं प्रीद्योगिकी विभाग में बी.पी.वी तथा एक.आर. पीबित परियोजना "सेंटर ऑफ एक्सलेंस कोंर ट्रेनिंग ऑफ प्रोफेक्नरती क्वात्रिरुवाइड परसन्स" के लिए पीच किस्म संरक्षा तथा बीज विज्ञान एवं प्रीट्योगिकी के क्षेत्र में "रिसोर्स वर्सन" के क्या में मान्यता प्रदान की नई ।

आतंकवाद विरोधी दिवस का आयोजन : संस्थान में 21 मई 2007 को आतंकवाद विरोधी दिवस मानाया गया । कर्मचारियों ने आतंकवाद को भारत से सम्बद्ध करने तथा शांति एवं सद्भावना के साथ कार्य करने हेतु शपत ग्रहण की ।

हिंदी सारानुवाद : डॉ. महेश कुमार

the part of work he has planned as the Co-PI . Dr. Imran Siddiqi of CCMB is the third partner of the project. The Director, NRCS and Scientists Drs. SV Rao, KBRS

Visarada, R. Madhusudhana, AV Umakanth and D. Balakrishna participated in the deliberations.

## Meeting of Institute Business Development Cell (IBDC)

The first meeting of Institute Business Development Cell (IBDC) was held at NRCS on 7 May, 2007 under the chairmanship of Dr. N Seetharama. Other members are: S Audilakshmi, CV Ratnavathi, SS Rao, KJ Mathai (AO), and B Dayakar Rao, (Member secretary). The agenda Items based on the notes like consultancy on preparation of techno-economic feasibility of sweet sorghum for biofuel production from a firm owning business in India and Africa, and long-term revenue generation strategies were discussed.

## **Short - term orientation course at NRCS for young scientist**

Dr. Manoj M. Kulkarni, Scientist (Molecular Biology) from



School of Biotechnology, Vidya Pratishthan, Baramati, Maharashtra completed orientation training on "Recent advances in abiotic stress management for dryland agriculture" from 7-12 May at NRCS Hyderabad as a preparatory step before starting his post-doctoral studies in Israel. During this five-day programme, Dr Kulkarni

visited various laboratories and interacted with several scientists and got himself acquainted with advance techniques for heat and drought screening (HS Talwar), abiotic stress management (SS Rao), marker-assisted selection for drought tolerance traits in sorghum (R. Madhusudhana), transgenic for salinity tolerance (D. Balakrishna), and transgenics for drought tolerance (KBRS Visarada & SV Rao). This training was planned and coordinated by Dr. HS Talwar. We received the following feedback from Dr Kulkarni . "This orientation training programme will definitely be helpful to me in my postdoctoral research. I must congratulate NRCS scientists and team for their hard efforts and successful research work. I am thankful to Dr. Seetharama and his team for giving me opportunity to visit NRCS and thankful to scientists for spending valuable time with me"

#### Sorghum foods at ICAR's AGM 07

NRCS had an opportunity to display sorghum foods such as sweets and snack dishes at ICAR annual general body meeting, which was held on 13 May, 2007 at New Delhi. Dr. CV Ratnavathi, Senior scientist who is looking after the sorghum food projects was given this responsibility. Her team sent 500 pieces of sorghum *Rawa laddu* and *murukulu* and pamphlets for preparation of these foods. These items were served to the participants during the tea-time at the meeting. Dr. Nawab Ali, DDG (Engineering), who was the coordinator of this event, appreciated the taste of these products and efforts of this team through an official communication addressed to Director, NRCS.

#### Annual Accounts accepted by Council

Annual Accounts of NRCS for the financial year 2006-07 has been accepted by the council during the meeting held at NAARM on 24 May 2007. The percentage of expenditure position is as follows: AICSIP plan funds 100%, NRCS nonplan funds 99.83%, and NRCS Plan funds 99.65%.Congratulations to Mr. NVRN Murty, AFAO, and his team!

#### **AICSIP NEWS**

#### **Farmers Meet at Mauranipur**

NRCS organized farmers meet in association with AICSIP centre at Mauranipur (CSCZ University) on 27 May 07 at Mauranipur to discuss their problems and offer suitable solutions. This meet was chaired by Dr. Chari Appaji, Sr. Scientist NRCS. Mr. RS Parihar, President, Bharitiya Kisan Union, Jhansi, and Vir Singh Bhaduriya, Mantri (Chairman), Vir Bhundhelkhand Samajotsana sansthan, Mauranipur, were guest of honor. A total of 25 farmers from Tellara, Bardhawara, Mauranipur, Ranipur, Laruni, Bhakura, and few traders from Mauranipur participated in this meeting. Dr. SP Sachan, Sr Scientist, Mauranipur was the coordinator.

NRCS exhibited seed samples at the sorghum stall. Farmers were keen to know much about the following varieties: CSV 15, CSV 20 (SPV 1616) SPV 462, and CSH 16. Farmers compared the seed with their locals and preferred CSV 20 and SPV 462 because of their seed size and luster. Mr. Sarwarker, a farmer from Bhadwara, informed that he had cultivated SPV 1616 (CSV 20) given to him under FLD last year, and obtained grain yield of 26q/ha, which he sold at Rs 1300/- per quintal. He also informed that he secured a price @ Rs 2000/- per quintal for 20 quintals of grain produced which he sold it as seed to fellow farmers.

#### Seed sale at Parbhani - a great success

It's a hatrick at MAU Parbhani and PDKV Akola in terms of direct supply of CSH 16 hybrid seed to the farmers of surrounding districts viz. Nanded, Beed, Hingoli, Latur, and Parbhani. NRCS has been producing and marketing under the umbrella of State Agricultural Universities (SAU) - Indian Council of Agricultural Research (ICAR) partnership at the 'Krishi Mela' organized by MAU Parbhani each year on fixed dates of 18 -19 May and at PDKV Akola on 21st May 07. Funded by ICAR's Mega Seed Project this year (2007), it is our third consecutive experience in this collaborative initiative. Satisfied farmers returning with last year's (2006) receipt as a testimony, to purchase CSH 16 hybrid seed again this year, speaks of the sustainability of this activity and a public-public marketing tie-up.

Dr. Misal and his team members need to be congratulated for their effort in selling 1.8 tons of CSH 16 on the first day itself. Initiative by Mr. Giri, Assistant of Dr. SS Ambekar, Senior Sorghum Breeder, needs special mention for his convincing interactive role in motivating the new farmers and educating about new high yielding cultivars. Groups of farmers turning up from far-off places for this annual seed sale event organized by (SAU's) speaks of their belief and confidence in public sector seed supply. Dr. S Ravi Kumar, Sr. Scientist was the coordinator of this event from NRCS.

#### Seed dispatch of AICSIP kharif trials

The All-India coordinated sorghum Improvement project multilocation trials have been constituted and categorized into IHT, IVT and AVHT for Zone I, II and III. The entries have been coded and replication-wise trials were dispatched incase of grain sorghum, dual-purpose sorghum and forage sorghum. The trials in respect of Pathology and Entomology have also been sent to the centres including parental line trial. Dr. Vilas A Tonapi, Sr. Scientist, NRCS coordinated this program.

#### Recognition for Dr Kannababu

Dr. N Kannababu, Seed Scientist at NRCS was identified



as "Resource person" in the areas of Plant variety protection and seed science & technology for the PPV&FR authority funded project "Centre of excellence for training of professionally qualified persons" at Division of Seed Science &

Technology, IARI, New Delhi. The division will organize short-term training courses of 10 weeks duration to the professionally qualified persons having at least M.Sc. degree. NRCS congratulates Dr. Kannababu for the honour conferred on him.

#### M Sc for Revati



**Smt. K Revati,** T4, secured first division in M.Sc Computer Science from Maharshi Dayanand University, Rohtak. *Congratulations !!* 

#### Anti-terrorism day observed

The Anti-terrorism Day was observed on 21 May in the

institute. Employees took pledge to eliminate terrorism from India and to work with more harmony and peace.

#### **Family News**



**Ms Sharmila,** Daughter of Dr. TG Nageshwar Rao, has secured 91% marks in the Second year Intermediate examinations in Bi P C group, conduced by the AP Intermediate Board in March 2007.

**Master P Vijay Prakash,** son of Sh. P Prakash, Technical Officer (T5) obtained 93% (556/ 600) marks in the SSC exam. 2007 of AP. He studied in the Bhashyam Public School, Hyderabad.



Master SV Sai Prajwal, son of Dr SS Rao obtained 92%

(551/600) marks in the SSC exam. 2007 of AP. He studied in the Narayana Concept School, Himayatnagar, Hyderabad and stood second position in the school in order of merit. Congratulations to all...

S. No	Name of the official	Participated in		Venue	Date
2	Chari Appaji	Rural Programme Advisory Committee (RPAC) meeting of All India Radio.	М	Prasara Bharati, Hyderabad	11 May, 07
3	N Seetharama	Pearl millet group meeting	W	ICRISAT, Patancheru	15-16 May, 07
4	Kumar SR	The national seminar on "Preparation for the success of second green revolution in Indian agriculture", jointly organized by Magnum Foundation, Nagpur & Indira Gandhi Krishi Vishwavidyalaya, (IGKV), Raipur, Chattisgarh.		IGKV, Raipur	26 May 07
5	N Seetharama, Vilas A Tonapi & M Elangovan	First training cum workshop on "IP and Technology management in ICAR system"	T/W	NAARM, Hyderabad	28-30 May, 07

	Official tours						
S. No	Name of the Official	Place visited	Dates	Purpose			
1	P Prakash & TJ Balakrishnan	JNKVV, Jabalpur	7-9 May, 07	To participate and install sorghum stall at Kisan Mela held at JNKVV, Jabalpur.			
2	Kumar SR	Department of Biotechnology, New Delhi.	8 May, 07	To present a project proposal entitled "Stem rot resistant tissue culture bred sorghum as a product to create awareness of organic farming movement and certified seed production as a process to improve livelihoods of rural youth"			
3	N Seetharama, AV Umakanth, M Elangovan & V Ravi Kumar	UAS, Bangalore	9 -12, May 07	To examine the ISIS database and to submit the data on SPV and SPH elite breeding stocks and molecular data.			
4	N Seetharama	NBPGR, New Delhi	14 May, 07	Task force meeting chaired by the DDG, and to discus progress in DNA fingerprinting of sorghum cultivars at NPBGR			
5	Kumar SR	MAU, Parbhani	18-19 May, 07	Organize sorghum seed sale at Parbhani			
6	N Seetharama	Department of Biotechnology, New Delhi	21 May , 07	Department of Biotechnology on molecular breeding brain storming session.			
7	Chari Appaji	Jhansi and Mauranipur	26-28 May, 07	Organization of farmers meet at Mauranipur & Discussions and finalization of on farm trials at Mauranipur			

#### **Announcement**

A learning work shop cum training on the "Theory and practice of plant variety protection in India" is scheduled to be organized from 24-27 July, 2007 at NRCS. Course fee: 10,000/- (inclusive of training material, accommodation and food) payable by demand draft favouring ICAR Unit- NRCS.

Last date for nomination: 15 June, 2007.

For further details contact: Dr. VA Tonapi(tonapi@nrcsorghum.res.in) / Dr. M Elangovan(elangovan@nrcsorghum.res.in) or call: 9490036584 / 984871175

# JOHN HEDGECOE the new manual of PHOTOGRAPHY

# The new manual of photography

-John Hedgecoe

This book explains about what you need to set-up your own studio, techniques on specialized photography including underwater and night time photography

#### **New arrivals at NRCS library**



## Digital photographers handbook

- Tom Ang

This book deals with recent development in digital photography and software manipulation tools



# Adventures in close up photography

-Lief Ericksenn and Els Sincebaugh

This book tells about how to take spectacular close up photographs and explains technical as well as creative approaches to the subject in the most enjoyable form of photography

#### Thought for the month

"Good people do not need laws to tell them to act responsibly, while bad people will find a way around the laws."

- Plato

#### **Printed Matter / Book Post**







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