



ज्वार अनुसंधान निदेशालय

Directorate of Sorghum Research

घटनाक्रम तथा समाचार Happenings & News



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DSR bags "Best DUS Test Centre Award"

During the PPVFRAs Annual Day on 11/11/11, DSR has received the Best DUS test Centre for its "Outstanding achievements in the area of testing, training, documentation and publication during the assessment years 2008-09 to 2010-11. The award was received by Dr JV Patil, Director, DSR; Dr Vilas A Tonapi, Former Nodal Officer (DUS) and Dr M Elangovan, Nodal Officer (DUS) from Dr RS Paroda, Chairman of the function in presence of Dr PL Guatam, Plant Authority, PPVFR, New Delhi on 11th November 2011. During the DUS Review Meeting, Dr PL Gautam has appreciated DSR's presentation as very informative and gorgeous. He said that the DSR brought very good documentation and the files and the issues presented are useful. Dr JV Patil, Director, DSR congratulated the DUS Team members, who extended their efforts to achieve this award and bring laurels to the Directorate.

Farmers Rally and training at Tenali

The Farmer's Rally and Training Program was successfully conducted on "Promotion of Sorghum cultivation in rice-fallows during rabi" at Agricultural Market Yard, Sultanabad, Tenali, Guntur district, Andhra Pradesh on 4th November 2011. This program was organized to make farmers aware of the importance of sorghum in the rice-fallows of coastal districts of Andhra Pradesh in general, and particularly in Krishna basin of Andhra Pradesh, Guntur and Prakasham districts. The program is also intended to serve as pre-sowing campaign for transfer of sorghum crop management practices in a mega scale. Dr. JV Patil Director, Directorate of Sorghum Research, in his inaugural address emphasized the benefits of sorghum cultivation in rice fallows and their higher economic returns and the health benefits of the sorghum. Dr K Shankar Reddy, ADR, Regional Agricultural Research Station, ANGRAU, Lam, Guntur, Dr V Shankar Rao, Associate Dean, Bapatla Agricultural College, Bapatla, Sri V Sreedhar, Joint Director of Agriculture, Guntur, and officials from the Krishi Vignan Kendra, Kawur, Cherukupally and Drs. SV Rao, SS Rao, B Subbarayudu, VR Bhagwat, AV Umakanth, and B. Dayakar Rao delivered lectures and tips on the package of practices for the cultivation of grain sorghum, forage sorghum, sweet sorghum and value addition, food products and other alternate uses. Other scientists participated in this rally from DSR were Drs. Ch Sashidhar Reddy, JS Mishra, RR Chapke, G Shyam Prasad and M Elangovan. More than 600 farmers participated and got acquainted with the techniques of sorghum cultivation. The overall suggestions given to farmers included such aspects for obtaining bumper grain yields per hectare is to adopt suitable management practices for sorghum cultivation like optimum utilization of fertilizers in view of soil fertility, pollution and other factors. Scientists advised to the farmers not to burn the fodder and also explained them about the nutritious status of the sorghum fodder. Sorghum crop residue can be

निदेशालय को सर्वश्रेष्ठ डस परीक्षण केंद्र पुरस्कार : निदेशालय को मूल्यांकन वर्ष 2008-09 से 2010-11 के दौरान परीक्षण, प्रशिक्षण, प्रलेखन तथा प्रकाशन के क्षेत्र में उत्कृष्ट उपलब्धियों के लिए 11.11.11 को पा.क्रि.कृ.अ.सं. अधिनियम के वार्षिक दिवस समारोह के अवसर पर सर्वश्रेष्ठ डस परीक्षण केंद्र का पुरस्कार प्राप्त हुआ। उक्त पुरस्कार समारोह के अध्यक्ष डॉ. आर एस परोदा, के कलकमलों से डॉ. जे वी पाटिल, निदेशक, ज्वा.अनु.नि तथा डस दल के सदस्यों ने ग्रहण किया।

तेनाली में कृषक रैली तथा प्रशिक्षण: धान-परती में ज्वार की खेती हेतु कृषकों में जागरूकता पैदा करने के लिए आंध्र प्रदेश के गुण्टूर जिले में तेनाली ग्राम के कृषि बाजार, सुल्तानाबाद में 4 नवंबर 2011 को एक कृषक रैली तथा रबी के दौरान धान-परती में ज्वार की खेती का संवर्धन पर प्रशिक्षण कार्यक्रम का सफलतापूर्वक आयोजन किया गया। स्थानीय समाचार-पत्रों, आकाशवाणी, दूरदर्शन आदि ने अपने-अपने माध्यमों से उक्त कार्यक्रम का प्रसारण किया।

क्षे.प्रौ.प्र.स. द्वारा निदेशालय के कार्यों की सराहना : क्षेत्रीय प्रौद्योगिकी प्रबंधन समिति (क्षे.प्रौ.प्र.स.), केंद्रीय माट्रिक्स की प्रौद्योगिकी संस्थान, कोचिन ने राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी (नार्म), हैदराबाद में 19 नवंबर 2011 को उद्योग हेतु नवोन्मेष नामक एक सभा का आयोजन किया। इस अवसर पर निदेशालय ने ज्वार स्टाल भी लगाया, जिसकी उद्यमियों द्वारा काफी सराहना की गई। बैठक के दौरान डॉ. जे वी पाटिल, निदेशक, ज्वा.अनु.नि. ने निदेशालय द्वारा उद्योग-जगत हेतु विकसित महत्वपूर्ण प्रौद्योगिकियों के संबंध में जानकारी प्रदान की।

पत्रकार सम्मेलन: ज्वार अनुसंधान निदेशालय, हैदराबाद में 22 नवंबर 2011 को एक पत्रकार सम्मेलन का आयोजन किया गया। भा.कृ.अनु.प. के जनसंपर्क अभिकरण, इंडिया न्यूज कम्युनिकेशन लिमिटेड, नई दिल्ली ने इस सम्मेलन का समन्वय किया। इलेक्ट्रॉनिक व प्रिंट मीडिया के लोगों ने उक्त सम्मेलन में भाग लिया तथा निदेशालय के निदेशक डॉ. जे वी पाटिल व अन्य वैज्ञानिकों के कथनों को रिकार्ड किया।

निदेशालय में स्थापना दिवस समारोह का आयोजन: निदेशालय ने 16 नवंबर 2011 को अपना 24वां वार्षिक स्थापना दिवस मनाया। संस्थान के प्रभारी निदेशक डॉ. एस वी राव ने स्टाफ से निवेदन किया कि वे इस संस्थान को वैश्विक स्तर प्रदान करने के लिए पूर्ण समर्पण भाव के साथ कार्य करें।

पुरस्कार एवं सम्मान

डॉ. जे वी पाटिल को पुरस्कार : डॉ. जे वी पाटिल, निदेशक, ज्वा.अनु.नि. को उनकी **ज्वारी प्रक्रिया** नामक पुस्तक के लिए सांस्कृतिक कार्य संचालनालय, महाराष्ट्र सरकार द्वारा **राज्य वाइ.मय पुरस्कार** प्राप्त हुआ। निदेशालय परिवार की ओर से उन्हें हार्दिक बधाई!

आगंतुक

आकोल से छात्र : डॉ. पंजाबराव देशमुख कृषि विद्यापीठ, आकोला से डॉ. ई आर वैद्य, सह-आचार्य के नेतृत्व में स्नातक (कृषि) के 72 छात्रों तथा 4 अन्य स्टाफ सदस्यों ने 2 नवंबर 2011 को निदेशालय का दौरा किया। उन्हें निदेशालय में चल रही अनुसंधान गतिविधियों तथा मूल्य संवर्धन उत्पादों एवं स्वास्थ्यवर्धक खाद्य के बारे में जानकारी प्रदान की गई।

रा.कृ.प्र.वि.प्र.सं. से प्रशिक्षार्थी: अपने पाठ्यक्रम के अनुसार ज्वार अनुसंधान एवं विकास से संबंधित जानकारी प्राप्त करने के उद्देश्य से डॉ. झांसी, सहायक निदेशक, राज्य कृषि प्रबंधन एवं विकास प्रशिक्षण संस्थान (रा.कृ.प्र.वि.प्र.सं.), मलकपेट, हैदराबाद के नेतृत्व में 13 प्रशिक्षार्थियों के दल ने 9 नवंबर 2011 को निदेशालय का दौरा किया।

हिंदी सारानुवाद : डॉ. महेश कुमार

incorporated into the soil to make the following rice crop as organic. Farmers were informed about the integrated insect, disease, nutrient,



Dr. JV Patil, Director, explaining about the suitable hybrids in rice fallows (above) and Dr. Subbarayudu clarifying queries on integrated insect and disease management (below)

weed and water management practices as per the recommended doses. The progressive farmers Sri Mandava Sambasivarao, Karumanchi Apparao, R.Raghavendar Rao and Yerru Ravindra Babu extended support to motivate the farmers and smooth conductance of this event. Drs. B Subbarayudu, C Sashidhar Reddy and G Shyamprasad from DSR organized this event in coordination with Mrs. Jyothi Ramani, ADA, and Mrs. K. Amala Kumari, Agriculture Officer, Tenali of the Guntur district Sorghum exhibition stall also organized where all important sorghum cultivars and sorghum food products were displayed. Sample sorghum food products manufactured at Hyderabad were also distributed to the farmers. This farmer's meet was organized under the Tribal Sub-Plan.

The press reporters from the local dailies *Eenadu*, *Andhra Jyothi*, *Sakshi*, and *Andhra Prabha*, All India Radio, Vijayawada, the electronic media persons from Doordarshan and ETV 2 channels widely covered the event and telecasted the interviews with the scientists as well as comments of the progressive farmers.

DSR appreciated at ZTMU meet

The Zonal Technology Management Committee (ZTMU), CIFT, Cochin has organized an "**Industry 4 Innovation**" meet at NAARM, Hyderabad on 19th November 2011. On this occasion, DSR set up an exhibition



Dr. Bangali Baboo appreciating the novel food products of sorghum

stall. The sorghum stall was overwhelmed by the entrepreneurs from the industry and innovator groups for its technologies and the way of presentation. During this meeting Dr JV Patil, Director, DSR presented the precious technologies developed at DSR to the industry. Dr Bengali Baboo, National Director, NAIP has appreciated DSRs efforts in making its hybrids and varieties available for commercialization with the private companies. He also lauded DSR's agreements for sorghum food processing, popularization and commercialization with huge enterprises like ITC and Britannia India. Drs JV Patil, M Elangvan, B Dayakar Rao, S Audilakshmi, CV Ratnavathi, KBRs Visarada and K Srinivasa Babu attended the mega event which has laid foundation for the coordination between Industries and crop Institutes.

Press conference at DSR

A Media meet was organised at the Directorate of Sorghum Research, Hyderabad on 22 November, 2011. This media meet was initiated and coordinated by the India News Communications Limited, New Delhi who is the public relations agency of the Council.



The press conference in progress

Representatives from the electronic and print media have attended the meet and recorded various statements from the Director and other scientist participants.

Welcoming the media personnel, Dr. JV Patil, Director has emphasised that the meet is essentially to convey the message that sorghum is an ideal crop for the low input agriculture with minimum damage to the environment and reduce the climate change deleterious effects while increasing the economy of the farmers and the health of the consumers. He emphasised the need to support sorghum farmers by the policy makers at this juncture, like procurement of sorghum at higher support prices and availability of quality seed.

Dr. S. Audilakshmi gave a detailed account of the developments on the varietal releases. She told that the Directorate of Sorghum Research has mandate to enhance productivity and economic returns to the growers by evolving and releasing cultivars, design package of practices and plant protection methods. Dr. HS Talwar briefed that Sorghum can play a vital role in mitigating the impact of global warming by regulating the emission of greenhouse gases like nitrous oxide, Carbon Dioxide and Methane. In Sorghum, the brown mid-rib varieties (bmr mutants) have lower lignin, and higher digestibility fits into the system of climate smart agriculture. Dr. JS Misra has informed that higher net returns is realised with improved technologies developed by the DSR. Dr. SV Rao, Principal scientist informed that in rice-fallows of coastal Andhra Pradesh, sorghum is fast gaining popularity due to its high productivity to the tune of 6.0 t/ha through high input agriculture. Dr. B Dayakara Rao had detailed about the collaborating partnership projects both from national and international streams working on production, processing and commercialisation. DSR has developed and standardised technology for Jowar rawa, Jowar pasta, Jowar vermicelli, Jowar flakes and Jowar based multigrain atta. These have been commercialised under DSR's brand *Eatrite*.

Dr. SV Rao also announced that DSR has been recognized as Centre of Excellence for Sorghum processing and value addition by the Ministry of Agriculture, Govt. of India and for Implementation of INSIMP project on establishment of Millet processing clusters covering 25000 villages in 1000 mandals across the millet growing

states in the country under the RKVY.

DSR Annual Day celebrated

On 16 November, 2011 Directorate of Sorghum Research has celebrated its 24th Annual Foundation Day. The Programme has started with lighting of the lamp by representatives of Supporting, Technical, Office and Scientist members. Speaking on the occasion, Dr. SV Rao, Director in-charge, has requested that all the staff to dedicate themselves in making the Institute world class by generating scientific knowledge about sorghum which others can use and practice. Other speakers who recapitulated the achievements as well as blessed the DSR with their well wishes on the occasion include Drs. SS Rao, JS Misra, Mahesh Kumar, Subbarayudu, Mr. Pramod Kumar and Mr. WS Bhat. Dr. Raghavendra Rao informed that as we are entering the silver jubilee this year, we need to gear up to make the next year event on a grand scale.

Awards & Recognitions

Award to Dr. JV Patil

Dr. JV Patil, Director, DSR received "Maharashtra State Government



Dr. JV Patil receiving the award

Agricultural literature Award- 2010" for authoring a marathi book "Jwari Prakriya". Congratulations!!

Award to Dr. Chari Appaji

Dr. Chari Appaji, Principal Scientist (Extension) received the "Distinguished Service Award" for his contributions in the field of agricultural extension by the Society of Biological Sciences & Rural Development, Allahabad. He received this award at the valedictory session of the "National Symposium on Prospects, Utility and Challenges of Biotechnology in Agricultural Development" which was held during November 11-12, 2011 at University of Allahabad, Allahabad. DSR Family congratulates Dr. Chari for this credit.

निदेशालय द्वारा प्रकाशित गृहपत्रिका ज्वार सौरभ को नराकास की ओर से राजभाषा शील्ड

ज्वार अनुसंधान निदेशालय, हैदराबाद द्वारा प्रकाशित "ज्वार सौरभ" नामक वार्षिक गृहपत्रिका के प्रथमांक को नगर राजभाषा कार्यन्वयन समिति- हैदराबाद-सिकंदराबाद की ओर से वर्ष 2010-11 हेतु राजभाषा शील्ड प्रदान की गई। राष्ट्रीय ग्रामीण विकास संस्थान, हैदराबाद में 23 नवंबर 2011 को आयोजित नराकास-हैदराबाद-सिकंदराबाद की 46वीं बैठक के दौरान डॉ. एम.वी.राव^{आई.एस.}, महानिदेशक, रा.ग्रा.वि.सं. तथा अध्यक्ष, नराकास ने ज्वार अनुसंधान निदेशालय के निदेशक डॉ. जे वी पाटील को उक्त शील्ड प्रदान की। इस अवसर पर श्री अजय कुमार श्रीवास्तव, उपनिदेशक (कार्यन्वयन), क्षेत्रीय कार्यन्वयन कार्यालय, बंगलूर भी उपस्थित थे। ज्वार अनुसंधान संबंधी गतिविधियों एवं ज्वार के वैकल्पिक उपयोगों को शोधकर्ताओं, सामान्य कृषकों तथा जन-सामान्य तक पहुंचाने के उद्देश्य से उक्त पत्रिका का प्रकाशन प्रारंभ किया गया था। पत्रिका के प्रकाशक, संस्थान के निदेशक डॉ. जे वी पाटील हैं तथा संपादक डॉ. जे एस मिश्र, डॉ. महेश कुमार तथा डॉ. वी आर भागवत हैं। डॉ. पाटील ने पत्रिका से जुड़े हुए लोगों को सधुवाद दिया तथा इसके उज्ज्वल भविष्य की कामना की है।



निदेशालय की वार्षिक गृहपत्रिका "ज्वार सौरभ" के लिए डॉ. एम वी राव^{आई.एस.}, महानिदेशक, रा.ग्रा.वि.सं. के करकमलों से शील्ड ग्रहण करते हुए डॉ. जे वी पाटील, निदेशक, ज्वा.अनु.नि. तथा साथ में डॉ. जे एस मिश्र एवं डॉ. महेश कुमार

Visitors

Students from Akola : Dr. ER Vaidya, Associate Professor along with a group of 72 B.Sc. (Agri.) students and 4 other staff members from Dr. PDKV, Akola visited DSR on 02 November, 2011. 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.

Farmers from Tripura : A group of 30 trainee farmers from Tripura under the leadership of Mr. Ajoy Deb Barma and MR. Kohinoor Deb Barma, Agriculture officers, Department of Agriculture, Tripura state visited the DSR on 08 November, 2011 to get detailed know-how about the sorghum crop and its usefulness. Drs. B Subbarayudu, IK Das and RR Chapke gave orientation about the latest production technologies developed at the institute and the demonstration plot.

Trainees from SAMETI: Thirteen trainees from SAMETI, Hyderabad, visited DSR on 09, November, 2011 to get exposure about the sorghum research and developments, as a part of their curriculum. Dr. B Subbarayudu briefed them on the institute's research activities and sorghum scenario. It was followed by interactions with the scientists. The team showed interest in alternative uses of sorghum, sweet and forage sorghums. They also visited the laboratories. The team was led by Dr. Jhansi, Asst. Director, SAMETI, Malkpet, and Hyderabad.

Trainees from ANGRAU : Sixteen trainees of "Hybrid seed production technology in Field crops" organized by Seed Research and Technology Centre, ANGRAU, Hyderabad visited at DSR on Nov.17, 2011 to get exposure about the activities related with sorghum seed research, as a part of their curriculum. Dr. SV Rao, Director in-charge, DSR, welcomed and briefed them about the institute's research activities and sorghum scenario including important aspects of sorghum development emphasizing sorghum seed research and importance for human consumption. Dr. RR Chapke took them to the rabi demonstration plot and explained about importance of different sorghum cultivars, its special traits and field problems to the trainees. It was followed by visit to the food processing lab where they interacted with the experts on sorghum foods preparation and their marketing.

Students from Mandya : Thirty eight students from College of Agriculture, VC Farm, Mandya, Karnataka led by Dr. MR Krishnappa, Professor, visited DSR on 19 November, 2011 as a part of their educational tour. Dr. RR Chapke narrated the research and extension activities at DSR. This was followed by discussion on package of practices to be followed for cultivation of sorghum. They were also briefed on the application of modern tools of biotechnology and processes for preparation of value-added products from sorghum.

Meetings (M) Workshop (W) Conference (C) attended

| S. No | Name of the Official | Participated in | Type | Venue | Dates |
|-------|---|--|------|--|-----------------|
| 1. | Mahesh Kumar | "Administrative and Technical Terminology" Organised by Commission for Scientific & Technical Terminology, Ministry of HRD, Dept. of Higher Education, New Delhi | T | CRIDA, Hyderabad | 01-02 Nov, 2011 |
| 2 | RR Chapke | International Conference on "Innovative Approaches for Agricultural Knowledge Management - Global Extension Experiences" | C | NASC, New Delhi | 07-12 Nov, 2011 |
| 3 | M Elangovan | Annual DUS review meeting and to receive "Best DUS testing centre" Award | M | NBPGR, New Delhi | 9-13 Nov, 2011 |
| 4 | JV Patil | DUS meeting to receive "Best DUS testing centre" Award | S | NASC, New Delhi | 11 Nov, 2011 |
| 5 | Chari Appaji | National Symposium on Prospects, Utility and Challenges of Biotechnology in Agricultural Development" | S | University of Allahabad, Allahabad. | 11-12 Nov, 2011 |
| 6 | M Elangovan | Finalization of PGR Project under the Agro-Biodiversity platform at NBPGR | M | NBPGR, New Delhi | 17 Nov, 2011 |
| 7 | JV Patil, M Elangovan & B Dayakar Rao | Innovation 4 industry crop science meets organized by ZTMC, CIFT, Kochi. | M | NAARM, Hyderabad | 19 Nov, 2011 |
| 8 | V Ravikumar | Training programme on "Seed Quality assurance sponsored by NSRTC, Varanasi | T | Division of Seed Science & tech, IARI, | 22-26 Nov, 2011 |
| 9 | AV Umakanth & C Ratnavathi | International Sugar Conference | C | Hotel Park Land Exotica, New Delhi | 21-25 Nov, 2011 |
| 10 | W Sreenivas Bhat & K Sanath Kumar | Meeting of DG with Heads of Division Administration & Finance | M | NASC Complex, New Delhi | 22 Nov, 2011 |
| 11 | HS Talwar | National seminar on Plant Physiology and presented a lead paper on "Sustainable agriculture in relation to global climate change with respect to Sorghum" and chaired a session on Physiology of flowering and seed. | S | Ramnarayan Ruia College for Arts and Science, Mumbai | 23-26 Nov, 2011 |
| 12 | JV Patil, JS Mishra, Mahesh Kumar & HS Gawali | 46th meeting of "Town Official Language Implementation Committee" Hyderabad Secunderabad & received award for "Jowar Sourabh" | M | NIRD, Hyderabad | 23 Nov, 2011 |
| 13 | JS Mishra | Workshop on "Alternative analytical techniques for soil analysis" | W | MCRC, Chennai | 25-27 Nov, 2011 |
| 14 | M Elangovan | Impact assessment meeting of abroad training in the agri-frontier areas organized by NAIP | M | NASC, New Delhi | 28-30 Nov, 2011 |

Official Tours

| S. No | Name of the Official | Place Visited | Dates | Purpose |
|-------|--|------------------------|-----------------|--|
| 1 | JV Patil, SVRao, B Subbarayudu, JS Mishra, RR Chapke, CSashidhar Reddy, VR Bhagwat, GShyam Prasad, M Elangovan, B Dayakar Rao, A Umakanth, KV Raghavendra Rao, HS Gawali and OV Ramana | AMC, Tenali | 4 Nov, 2011 | To organize the Farmers Rally and meet on promotion of sorghum cultivation in rice fallows |
| 2 | M Elangovan | Bhuj District, Gujarat | 22-26 Nov, 2011 | Germplasm exploration |

Thought for the month

"Nothing is likely to help a person overcome or endure troubles than the consciousness of having a task in life."

~ Victor Frankl

To



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