



DGR

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Incidence of Minor Pests in Groundnut

A survey was conducted in the Saurashtra region of Gujarat during *kharif* and *rabi* seasons of 2011 and 2012 and two minor pests *viz.*, ash weevil and blister beetle were noticed in the farmers field. The occurrence of ash weevil was noticed in both *kharif* and *rabi* seasons while blister beetle was seen only during the *kharif* season. Ash weevil adults feed on foliage of groundnut, making notches on leaf margins, and cause nearly 5-10% of foliar damage. Blister beetle adults feed mainly on flowers which may reduce the number of pods. Appearance of these minor pests was noticed in 2011-12. There are no previous reports of their occurrence in this region. Climate change and uneven distribution of rainfall may have resulted in their occurrence. Regular monitoring and surveillance studies are needed to know the build-up

and status of these insects in order to take up control measures whenever it seems necessary.



Blister beetle



Ash weevil

Inputs: Harish G, Poonam Jasrotia and Nataraja MV

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DGR scientists submit sequences of microbial cultures to NCBI GenBank (August 2012)

S. No	Sequence Information	Accession Numbers
1	16S rRNA sequences of 25 institute cultures	JX514402 – JX514426
2	ITS1 region of 12 fungal isolates obtained from salt crystallizers of Rann of Kutch, Gujarat	JX518247 – JX518258
3	16S rRNA sequences of 11 extreme halophilic bacilli obtained from salt crystallizers of Rann of Kutch, Gujarat	JX518259 – JX518269
4	ITS region of 19 endophytic fungi isolated from seed tissues of peanut	JX518270 – JX518288
5	16S rRNA sequences of 74 bacterial endophytes from peanut and natural plants adapted to extreme salinity of Rann of Kutch, Gujarat	JX490055 – JX490128

Trainings/Workshops

Workshops on 'Improved Practices for Production of Aflatoxin-Free Groundnuts'

(i) KVK, Kodinar, Junagadh (September 07, 2012)

A one-day workshop on 'Improved Practices for Production of Aflatoxin-Free Groundnuts' was organised on September 07, 2012, at Krishi Vigyan Kendra (KVK), Kodinar. Among 99 participants, there were 82 groundnut farmers and 17 scientists/technical personnel. During the inaugural session, Mr Dalsukh Vaghasea, Area Programme Manager, Ambuja Cement Foundation, highlighted the importance of groundnut cultivation under rising prices of cooking oil and growing demand of groundnut oil cake as cattle feed supplement in the markets. Ms Kanchan Maurya, Project Coordinator, *Indian Oilseed and Produce Export Promotion Council* (IOPEPC), Mumbai, while expressing her concern on aflatoxin contamination in groundnut and increase in number of red alerts being

received from EU countries, urged the farmers to take full advantage of the workshop for production of aflatoxin-free groundnut through the adoption of good agricultural, manufacturing and storage practices. Mr Rupesh Jimudhiya, Representative, IOPEPC, urged the farmers to follow improved practices for the production of aflatoxin-free groundnut and to aim at making India world leader in groundnut production and export.

Subsequently, Dr. Kuldeep Singh Jadon, Scientist, DGR, made a presentation on 'Menace of Aflatoxin in Groundnut: Some Critical Control Points'. After the inaugural session, a few experts delivered their lectures in Gujarati on 'Improved Practices for Production of Aflatoxin-Free Groundnuts'. During the discussion hours, the farmers freely interacted with scientists to clear their doubts and gather additional information. The workshop served as a platform for enhancing synergies among groundnut growers, processors and traders by enhancing awareness about the issue of aflatoxin.



Interaction of DGR scientists with the farmers of Kodinar for aflatoxin-free groundnut production

(ii) KVK, Bikaner, Rajasthan (November 30, 2012)

Another one-day workshop on 'Improved Practices for Production of Aflatoxin-Free Groundnut' was organized at KVK, Bikaner jointly by four stakeholders viz., DGR-Junagadh, KVK-Bikaner, APEDA and IOPEPC on November 30, 2012. The venue was Krishi Vigyan Kendra, Bikaner. At the outset, while addressing the participants, Mr Sunil Kumar, Secretary, APEDA, talked about the importance of groundnut crop as a major oilseed crop for export and exhorted the farmers to mitigate the menace of aflatoxin contamination, which has become a major hurdle in export. Prof IJ Gulati, from RAU, Bikaner, urged the farmers to adopt improved cultural practices for managing aflatoxin contamination in groundnuts. This was followed by a series of presentations made by the scientists from DGR. In their talks Dr Kuldeep Singh Jadon, Dr HN Meena, Mr Harish G and Dr Prasanna Holajjer covered a wide range of aspects including the effect of aflatoxin on human and animal health, world regulation on aflatoxin contamination in groundnuts, and some critical control measures to prevent growth of the fungi and subsequent contamination with aflatoxin in groundnut at pre-harvest, harvest and post-harvest delivery chain of growers-processors-traders-exporters.



Groundnut growers listening to a lecture

DGR imparts training to tribal farmers (December 24-26, 2012)

Under Tribal Sub-Project, the DGR organized a three-day training programme entitled 'Technological Interventions for Improving Groundnut Productivity in the Tribal Belts of Gujarat'. Forty-four tribal farmers from the Navsari district of Gujarat participated in the training held on December 24-26, 2012.

While setting the tone for the training programme, Dr JB Misra, Director, DGR, in his inaugural address expressed his happiness on the initiatives taken by Govt. of India for bringing tribal farmers to mainstream and also on DGR becoming a

part of this endeavour. The resource persons comprising experts from the DGR and the neighbouring Junagadh Agricultural University, delivered lectures on various aspects of improved agronomic practices for groundnut, management of major groundnut pests and diseases, ways and means to minimise aflatoxin contamination, application of micro-nutrients and bio-fertilizers and their consequent benefits. Topic like mechanisation, value-addition, and market opportunities and accompanying challenges were also covered. On 26th December, a post-training assessment was conducted. The exercise revealed that all the farmers were nearly fully satisfied with the course content, quality of reading material provided as well as lodging and boarding facilities. The training programme was co-ordinated by Mr Murlidhar Meena, Scientist (Agril. Economics). The training was concluded with distribution of certificates to the participants.



Groundnut farmers from the tribal belts of Gujarat

Meeting

QRT meeting (July 14, 2012)

For a critical appraisal of performance of DGR and AICRP-G for the period 2007-11 and also the relevance of continuation of these schemes, the Quinquennial Review Team (QRT) appointed by Council held its final meeting on July 14 2012 at Junagadh. The QRT comprised a Chairman, Dr DM Hegde, Ex-PD, DOR; five members: Dr SN Nigam, Principal Groundnut Breeder, ICRISAT; Dr SS Mehetre, Director of Research, MPKV, Rahuri; Dr DV Singh, Plant Pathology, IARI; and Dr Padma Raju, Director of Research, ANGRAU, Hyderabad; and one Member Secretary, Dr Radhakrishnan T, Principal Scientist, DGR.

This was the final QRT meeting which was interfaced with Institute Management Committee (IMC) meeting. The Chairman QRT, while apprising the members of IMC of his general views on the importance and relevance of continuation of both DGR and AICRPG, also sought suggestions from the members of IMC for improving the congeniality and performance of these schemes.

Participation in Conference/Workshop/Seminar/Symposia/Training Programmes

Mr Nataraja MV	Training: 'Taxonomy of insects and mites', at the University of Agricultural Sciences, Bangalore (July 25 to August 14, 2012).
Dr R Dey and Dr Anita Mann	Training: 'General Management Programme for Scientists' at Administrative Staff College of India, Hyderabad (September 17-28, 2012).
Dr JB Misra, Dr Radhakrishnan T, Dr Chunilal, Dr SK Bera, Dr Narendra Kumar and Mr Abhay Kumar	International Conference: Legume Genetics and Genomics (VIth ICLGG) at Hyderabad (October 02-07, 2012).
Dr Kuldeep Singh Jadon	Training: 'Genomics and Diagnosis of Emerging Phytopathogens in Indian Agriculture' at Indian Agricultural Research Institute, New Delhi (October 03-23, 2012).
Mr MD Meena	Workshop: 'Supply Chain Management in Agriculture' at National Academy of Agricultural Research Management, Hyderabad (October 15-19, 2012).
Dr Ajay BC and Dr MC Dagla	Training: 'Quantitative Genetics in the Era of Genomics' at Tamil Nadu Agricultural University, Coimbatore (November 16 to December 06, 2012).
Dr Poonam Jasrotia	Training: 'Bioinformatics: Methods and Approaches for Insect Research' at National Bureau of Agriculturally Important Insects, Bangalore (November 19 to December 01, 2012).
Mr Nataraja MV	International Conference: 'Plant Health Management for Food Security' at Hyderabad (November 28-30, 2012).
Dr KK Pal and Dr K Chakraborty	National Symposium: 'Biotic and Abiotic Stresses under Changing Climate Scenario' at Uttar Banga Krishi Viswavidyalaya, Cooch Behar (November 29-30, 2012).

Events

DGR celebrates Parthenium Awareness Day (August 18, 2012)

The *Parthenium* Awareness Day was organized at on 18, August 2012, to create awareness about the harmful effects of *Parthenium* and also its effective management. On this occasion, Dr NK Jain, Principal Scientist and Head, Crop Production Unit, delivered a lecture on 'Management of *Parthenium hysterophorus*: a noxious weed'. In his lecture Dr Jain elaborated upon the possible ways of controlling *Parthenium* which is also known as 'Congress Grass' by uprooting and destroying the weed completely, use of herbicides, bio-agents and competitive plants like *Cassia* spp and also organising meetings and demonstrations so as to bring awareness among the public. Dr JB Misra, Director, DGR, informed the gathering that *Parthenium* is an alternate host of TSV, which causes bud necrosis disease in groundnut. Due to harmful effects of *Parthenium*, it is very essential to control this weed effectively.

As a follow up activity, the scientific and technical fraternity of DGR spent its entire afternoon in moving around in fields and uprooting congress grass and thus made an attempt to make DGR farm free from this highly noxious weed.



'Parthenium Awareness Day': The Director, scientists and other staff members uprooting and destroying Parthenium in DGR farm

हिन्दी मास (सितम्बर, २०१२)

मूँगफली अनुसंधान निदेशालय, जूनागढ़ में प्रत्येक वर्ष हिन्दी दिवस, सप्ताह या पखवाड़ा मनाया जाता है। इस श्रृंखला में इस वर्ष निदेशालय की राजभाषा कार्यान्वयन समिति ने सितम्बर, 2012 को 'हिन्दी मास-2012' के रूप में मनाने का निर्णय लिया। दिनांक 03 सितम्बर, 2012 को इस निदेशालय में 'हिन्दी मास' का शुभारम्भ किया गया, जिसमें डॉ. मनेश चन्द्र डागला (वैज्ञानिक एवं प्रभारी-हिन्दी अधिकारी) ने पूरे निदेशालय परिवार के सदस्यों का स्वागत किया तथा राजभाषा से संबंधित नियमों की जानकारी दी। इसके साथ ही उन्होंने राष्ट्रीय तथा अंतर्राष्ट्रीय स्तर पर हिन्दी भाषा को बढ़ावा देने के लिए किए जा रहे प्रयासों से सभी को अवगत कराया।

डॉ. जितेन्द्र भूषण मिश्र, निदेशक तथा अध्यक्ष राजभाषा कार्यान्वयन समिति ने भी सभी सदस्यों को इस कार्यक्रम के लिए शुभकामनाएं प्रेषित कीं तथा निदेशालय में हिन्दी को बढ़ावा देने के लिए प्रोत्साहित किया। उन्होंने यह भी कहा कि आने वाले कुछ समय में राजभाषा के लिए डी. जी. आर. हेतु निर्धारित लक्ष्य को प्राप्त कर लिया जाएगा। डॉ. अमृत लाल सिंह (प्रधान वैज्ञानिक) ने भी पूरे निदेशालय परिवार को इस सुअवसर पर वधाई दी। उन्होंने यह भी सुझाव दिया कि हिन्दी लिखते या बोलते समय अंग्रेजी शब्दों का उपयोग नहीं करना चाहिए तथा अंग्रेजी से हिन्दी में अनुवाद करते समय सतर्क रहना चाहिए।

हिन्दी मास-2012 के दौरान सात रोचक प्रतियोगिताओं का आयोजन किया गया जो कि इस प्रकार थे- आशुभाषण, सामान्य हिन्दी ज्ञान, भाषण, वाद-विवाद, निबंध लेखन, अन्ताक्षरी तथा टिप्पणी व मसौदा लेखन। अन्ताक्षरी के अलावा सभी प्रतियोगिताओं में प्रतिभागियों के 'क', 'ख' तथा 'ग' क्षेत्रानुसार समूह बनाए गए तथा प्रत्येक समूह के प्रतिभागियों में प्रथम, द्वितीय तथा तृतीय विजेता चुने गए।

29 सितम्बर, 2012 को 'हिन्दी मास-2012' का समापन समारोह आयोजित किया गया जिसमें डॉ. दीपिकाबेन दवे (अध्यक्ष, हिन्दी विभाग, बहाउद्दीन कला महाविद्यालय, जूनागढ़) को मुख्य अतिथि के रूप में आमंत्रित किया गया। सर्वप्रथम डॉ. मनेश चन्द्र डागला ने सभी का स्वागत किया तथा हिन्दी मास में हुई विभिन्न प्रतियोगिताओं के बारे में संक्षिप्त विवरण दिया। मंच पर विराजमान मुख्य अतिथि का निदेशक महोदय द्वारा पुष्प गुच्छ भेंट कर स्वागत किया गया। विभिन्न प्रतियोगिताओं के विजेताओं को पुरस्कार द्वारा सम्मानित किया गया। साथ ही सभी अन्य प्रतिभागियों को भी सांत्वना पुरस्कार प्रदान किए गए। डॉ. दीपिकाबेन दवे ने निदेशालय परिवार को संबोधित करते हुए इस कार्यक्रम की काफी सराहना की। डॉ. दवे हिन्दी भाषा के बारे में काफी रुचिकर जानकारीयां दीं तथा हिन्दी भाषा को बढ़ावा देने के लिए हिन्दी साहित्य की भूमिका के बारे में विस्तारपूर्वक बताया।

निदेशक महोदय ने अपने संबोधन में दीपिकाबेन का समस्त निदेशालय की तरफ से धन्यवाद दिया, तथा निदेशालय के सभी सदस्यों से अपील की कि हम सभी से ज्यादा से कार्य हिन्दी में ही करना चाहिए। अंत में श्री एच. बी. लालवाणी ने धन्यवाद ज्ञापन दिया। इस तरह 'हिन्दी मास-2012' इस निदेशालय में बड़े ही उत्साह, प्रेम, उमंग तथा जिम्मेदारी के साथ मनाया गया।



हिन्दी मास के अवसर पर मूँगफली अनुसंधान निदेशालय, जूनागढ़ में आयोजित उद्घाटन एवं पुरस्कार वितरण समारोह

Farm Innovators' Day celebration (September 15, 2012)

The Directorate of Groundnut Research, Junagadh, organised a Farm Innovators' Day on September 15, 2012, to acquaint the farmers of Saurashtra region of Gujarat with the improved package of practices for cultivation of groundnut for its sustainable production and improved productivity. In all, there were about 500 farmers from Kodinar, Rajkot, Mendarda, Vadad, Mendapara, Vadodar, Gondal, Jambur, Sirvan, Surpara and Malpara villages.

Dr NK Jain, Principal Scientist and Head, Crop Production Unit, coordinated the programme. At the inaugural session, Dr JB Misra, Director, DGR, Junagadh, welcomed all the farmers and dignitaries and requested the participants to take full advantage of such farmers' fairs to improve their productivity. Dr AM Parakhia, Director, Extension Education, Junagadh Agricultural University, was present as the Chief Guest. He expressed his views on giving equal importance to livestock for sustainable increase in agricultural production and emphasised the need for enhancing groundnut productivity to meet the growing requirements of edible oil. Sh LR Sadia,

Deputy Director Agriculture (Extension), Department of Agriculture, Government of Gujarat, Junagadh, who was present as the special guest, expressed his concern on the decline of contribution of agriculture in the gross domestic product and stressed on urgency of increasing production with the adoption of improved practices as well as deriving benefits of various agricultural programmes launched by the state government.

In his remarks, Sh Hirjibhai Bhingradia, a progressive farmer from village Malpara, emphasised the need to cultivate groundnut under raised bed with or without polythene mulch to improve the productivity and quality. Sh. Jayakumar Gunde, a progressive farmer from Maharashtra shared his experiences on cultivating groundnut even on degraded or heavy textured soils. Dr BS Rajawat, Programme Coordinator, KVK, Junagadh, and Dr JB Kathiriya, KVK, Rajkot also addressed the farmers. After the inaugural session, several lectures on improved groundnut production technologies were delivered by the experts from DGR and JAU in Hindi or Gujarati. During the discussion session, various queries raised by the farmers were answered by the scientists of the Directorate. Dr KA Kalaria,

Scientist, DGR, thanked all the guests and farmers for their active and constructive participation.

On this day, a competition was also organised for farmer. The farmers were given an opportunity to display their plant samples of groundnut and some other crops. These exhibits were evaluated by an expert committee and eventually 19 farmers were identified. As a token of recognition of their efforts in promoting good agricultural practices, some utility items were given away to these farmers as prizes. The farmers were taken round the 'Technology Park' of DGR to enable farmers appreciate the impact of various technologies on growth and other yield attributes of groundnut plants. Farmers also visited various stalls exhibiting the agro-chemicals that are now available in market for use in agriculture. Information pamphlets and brochures describing (in Gujarati) various aspects of groundnut were distributed to farmers free of cost.



Farm Innovators' Day celebrations on September 15, 2012



A report on DGR's Farm Innovators' Day in a Gujarati newspaper

Media meet at DGR (September 28, 2012)

As part of activities under NAIP sponsored sub-project 'Mobilizing mass media support for sharing agro-information' a media meet was convened at DGR with the objective of creating awareness among various stakeholders about three newly developed eco-friendly and economically viable technologies developed by DGR for enhancing groundnut productivity and quality. The meet 'DGR Technologies for Commercialisation', was held for promoting 'DGR Technology' as a brand name. Apart from representatives of media, various stakeholders including farmers, exporters and agro-industries attended this meets. On this occasion, three press notes were released simultaneously in Hindi, Gujarati and English.

The first press note was titled 'DGR Technology for Industrial Production of Enzyme Cellulase' which described how by investing a sum of ₹ 10 to 50 lakhs for infrastructure, one could produce the enzyme Cellulase from using groundnut shell – an enterprise that can yield good profit. The second press note 'Bio-Fertilizer Mixture for Enhancement of Groundnut Yield – An Opportunity for Commercialisation' showed how with the application of this bio-fertilizers, 10-20% increase in groundnut yield can be obtained. DGR now ready to share this technology is looking for entrepreneurs. The third press note 'DGR Develops New Girnar Series of Groundnut Varieties' provided information on 'Girnar 2' and 'Girnar 3' varieties. This event was covered in eight print and two electronic media and was so successful in its reach that a scores of enquiries were received from farmers and industry persons for days together seeking details of the technologies.



The Media Meet saw the release of three press notes

DGR's 33rd Foundation Day (October 01, 2012)

DGR celebrated its 33rd Foundation Day on October 01, 2012. Dr NC Patel, Vice Chancellor, JAU, Junagadh, was the chief-guest on the occasion. The presence of an 85-year old stalwart of groundnut research, Dr DP Mishra, the founder director and Dr KS Amin, former Principal Scientist (Plant Pathology) added a special grace to the occasion. Dr IU Dhruj, ADR, JAU, Junagadh was also present.

The programme began with an invocation song presented by Ms Shree Bera. Dr Radhakrishnan welcomed all the guests and then a brief presentation was given by Dr JB Misra on the 33 years of eventful journey of DGR. In his address, the chief-guest Dr NC Patel, Vice Chancellor, JAU, Junagadh, remembered the good old days when DGR was established and also its subsequent scientific and social association with the JAU. He emphasized that there was a need for further strengthening these scientific associations. Dr DP Mishra, the founder Director, while reminiscing his times as the founder director expressed his gratification over the growth and contributions of DGR till date. His talks were interspersed with several anecdotes. He praised Dr JB Misra, for organizing such an event, congratulated the staff on the 33rd Foundation Day of DGR and exhorted them to do their best to keep the flag of DGR flying with colours of achievements.

On this occasion, three publications of DGR were released: Directorate of Groundnut Research, Junagadh – At a Glance, मूँगफली अनुसंधान निदेशालय, जूनागढ़ - एक परिचय और वार्षिक प्रतिवेदन, 2011-12 (विशिष्ट उपलब्धियां) In a felicitation programme the senior most employees in each category, viz. Scientific, Technical, Skilled Support and Administrative staff were felicitated for their services. A cultural programme was also organised in which children of the DGR employees and research fellows performed. The programme was concluded by vote of thanks by Dr Anita Mann and a group photograph was taken.



Inauguration of DGR's 33rd Foundation Day



Cultural programme on the occasion of DGR's 33rd Foundation Day

Distinguished Visitors

Visit of Argentinean delegation (October 15, 2012)

A nine-member delegation from Argentina visited DGR on October 15, 2012. A meeting of the delegation was organised with all the scientists of DGR. The Argentinean delegation included Gaston Maglione, Mr Hugo Zanellato, Mr Elvio Perlo, Mr German Faucher, Mr Mariano Gastaldi, Mr Javier Martinetto, Ms Beatriz Ackermann, Mr Roberto and Mr Sandrini. Some of the members were representatives of Argentina's peanut industry and were in India here to explore the feasibility of importing peanut from India. For familiarising the visitors with the nature of research work being undertaken at DGR, Dr JB Misra, Director made a brief presentation on DGR and the on-going research activities. During the discussions that followed the scientists and the members of delegation dealt with a wide range of issues covering cultivation practices being followed in both countries, reasons for high or low realisation of yields, performance of bold-seeded varieties, heavy metal toxicity and quality of Indian groundnuts, high O/L groundnut varieties, area under large seeded groundnut varieties and possibilities of export. The delegation also visited various labs and experimental fields of DGR. The delegation was impressed with the R&D activities of DGR. The DGR scientists too felt enriched about the status of cultivation of groundnut in Argentina and expressed their thanks for knowledge sharing and mutually enriching experience.



The Argentinean delegation took keen interest in DGR's R&D activities

Our New Colleagues



Dr Mahesh Kumar Mahatma joined on July 02, 2012 as Senior Scientist, Biochemistry. Before Joining DGR he was working as Assistant Professor (Plant Biochemistry and Plant Molecular Biology) at Navsari Agricultural University, Gujarat.



Dr Poonam Jasrotia joined on August 13, 2012 as Senior Scientist, Entomology. Before joining DGR she was working as GLBRC Sustainability Research Co-ordinator at Great Lakes Bioenergy Research Centre, Michigan State University, USA.



Shri Jay R Purohit joined as Skilled Support Staff on September 17, 2012.



Shri Dharmendra A Makawana joined as Skilled Support Staff on September 17, 2012.

Personnel

Transfers

Mr GC Prasad, Finance and Accounts Officer, was relieved from this Directorate on August 18, 2012, upon transfer on promotion as Senior Finance and Accounts Officer to the National Bureau of Soil Survey and Land Use Planning (NBSSLUP), Nagpur.

Mr VK Jain, Technical Officer, T-5, was relieved from this Directorate on August 31, 2012, upon transfer to the Central Soil & Water Conservation Research & Training Institute (CSWCRTI), Dehradun, to its Regional Centre in Kota, Rajasthan.



Shri VK Jain receiving a farewell memento

Promotions

Scientists

Dr AL Rathnakumar (Plant Breeding), Dr Chunilal (Plant Breeding), Dr SK Bera (Cytogenetics), Dr KK Pal (Microbiology) and Dr R Dey (Microbiology) were promoted to Principal Scientist in their respective disciplines under the Revised Career Advancement Scheme (CAS) of ICAR.

Technical and Administrative Staff

Name	Promoted from	Promoted to
Sh DR Bhatt	T5	T6
Sh NM Safi	T3	T4
Sh GG Bhalani	T2	T3
Sh BM Solanki	T2	T3
Sh HB Lalwani	T6	T7-8
Dr HK Gor	T6	T7-8
Dr JR Doharia	T6	T7-8
Sh HS Mistry	LDC	UDC
Sh LV Tilwani	Steno	PA

Retirement

Sh JB Bhatt, AAO, took voluntary retirement from the services on November 30, 2012. He has rendered his services to DGR for nearly 32 years.



Shri JB Bhatt receiving a farewell memento

29th Sept 2012, Gujarat Samachar

આનંદો, ખેડૂતો! મગફળીની નવી જાતિ રદ ટકા વધુ ઉપજ આપશે

અનાજ, કઠોળ અને તેલિયાના સંશોધનને સોંપાઈના ખેડૂતોનું નામ દેશભરમાં ચમકતું રહ્યું છે. અલબત્ત આ વખતે જૂનાગઢની કૃષિ યુનિવર્સિટીના કૃષિ વૈજ્ઞાનિકોએ વાવેતર બાદ વરસાદમાં ત્રણ માસના વિલંબ થાય તો પણ મગફળીને વાંધો નહીં આવે, ફોતરામાંથી પણ ખેડૂતોને ફાયદો થશે

જૂનાગઢના ઉત્તમગર રોડ ઉપર કૃષિ અનુસંધાન પરિષદ નવી દિલ્હીના નેશનલ રીસર્ચ સેન્ટર મગફળી સંશોધન કેન્દ્ર કાર્યરત છે. તાજેતરમાં સંશોધન કેન્દ્ર દ્વારા ગિરનાર-૨ નામની નવી મગફળીની પ્રજાતિ વિકસાવવામાં આવી છે. આ પ્રજાતિથી ભરાવદાર સીંગદાણાની ઉપજ મળે છે. તેમજ જૂન મહિનામાં વાવેતર કરવામાં આવે તો આ વીજ પૂરતિ હેક્ટર ૩૦૯૭૫ કિલો જેટલું ઉત્પાદન આપે છે. વિવિધ ચકાસણી કરતા જણાયું કે, પાક ભૂમિની ૪૫૨.૧૫ સે.મી.ની સરમી સિતીમાં આ જાતિનું બીજ અન્ય પ્રજાતિ એમ-૧૩ કરતા ૨૬ ટકા વધુ ઉપજ

મગફળીની વિશિષ્ટ જાતિ ગિરનાર-૩ શોધી કાઢી છે. જે વિક ખાતરના ઉપયોગથી આ ગિરનાર-૩ નામની મગફળી ખેડૂતોને હેક્ટરદીઠ ૨૬ ટકા ઉપજમાં વધુ આપશે જે ઉપરાંત તેના ફોતરામાંથી પણ ખેડૂતો કમાણી કરી શકશે.

આ ઉપરાંત ગિરનાર-૩ નામની જાતિ પાંદડા અને ટ્રીપ્સ મગફળી મુખ્ય જતીની સહિષ્ણુતા ધરાવે છે. આ જાતિના બીજને વાવેતર બાદ ત્રણ માસ સુધી વરસાદ ન થાય તો પણ કંઈ થતું નથી. ત્રણ માસ બાદ વરસાદ થાય તો ઉંચી નીકળે છે. આ ગુણ મગફળીમાં ઓછો જોવા મળે છે. આ ઉપરાંત મગફળીની ઉપજમાં ૧૦થી ૨૦ ટકાનો વધારો થાય એ માટે બેક્ટેરીયા સંક્રમન જેવ ખાતર મિશ્રણ પણ વિકસાવવામાં આવ્યું છે.

જ્યારે મગફળીના કોચલાનો પ્રાણીક વિસ્તારોમાં બખતજ તરીકે ઉપયોગ થાય છે.

મગફળીનાં કોચલા ગૃહ ઉદ્યોગ માટે સોનાની ખાજ સમાન...

સોનાને પચાસોને લગુ એક મિલિટી મહત્વાકાંક્ષી માનવામાં આવે છે. મગફળીનાં પાકમાંથી છેલ્લે વધતો કોચલા પણ ગૃહ ઉદ્યોગ માટે અસહ્ય સમૃદ્ધ સ્ત્રોત છે. જો સ્વેચ્છ કાચા કાચ છે. જેનું કાંચકાંચ મગફળીમાં તેમજ બીજાં કાચકાંચ સમૃદ્ધ સ્ત્રોત છે. પાકવડે તેમાં મોટામાં મોટો ઉત્પાદન કરી શકાય છે. તેનાથી કાચકાંચ તરીકે પણ ઉપયોગ થાય છે. તેનાથી કાચકાંચ તરીકે પણ ઉપયોગ થાય છે. તેનાથી કાચકાંચ તરીકે પણ ઉપયોગ થાય છે.

ડીજીઆરમાં પ્રેસમીટ જોલાવાઈ

ઘેવાડાતાં ખેડૂતને પણ તવી શોધાયેલી ટેકનીકની ખબર પડવી ખેડૂતોએ : જે.બી. મિશ્રા



જૂનાગઢ તા. ૨૮ જૂનાગઢ ખાતે આયોજિત સંશોધન નિદેશાલયમાં ડાયરેક્ટર જે.બી. મિશ્રાની આગેવાની નીચે એક પ્રેસ મીટિંગ આયોજન કરવામાં આવ્યું હતું. જેમાં જૂનાગઢ શહેરનાં કેટલાક અગ્રણીય પત્ર-આપવામાં આવે છે. મગફળીની વાવેતર કર્યા પહેલા પટનાં ભૂમિ દેવાથી મગફળીનાં પાકને અનેક ફાયદા થાય છે. ડીજીઆરવાળાં વિજ્ઞાનીકોની મહામહેનત કારણે જેવ ખાતર તૈયાર થયું છે. પત્રકાર મિત્રોને અપિલ રવામાં આવી હતી કે, નવી સોમવાર ૦૮ સપ્ટેમ્બર, ૨૦૧૨

જૂનાગઢના મગફળી સંશોધન નિદેશાલય દ્વારા દુષ્કાળ અને રોગચાળા સામે ટક્કર ઝીલતી મગફળીની બે જાત શોધાઈ

જૂનાગઢના મગફળી સંશોધન નિદેશાલય દ્વારા દુષ્કાળ અને રોગચાળા સામે ટક્કર ઝીલતી મગફળીની બે જાત શોધાઈ

જૂનાગઢના મગફળી સંશોધન નિદેશાલય દ્વારા દુષ્કાળ અને રોગચાળા સામે ટક્કર ઝીલતી મગફળીની બે જાત શોધાઈ



જૂનાગઢના મગફળી સંશોધન નિદેશાલય દ્વારા દુષ્કાળ અને રોગચાળા સામે ટક્કર ઝીલતી મગફળીની બે જાત શોધાઈ

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વધુ ઉત્પાદન આપતી મગફળીની નવી બે જાત વિકસાવાઈ

જૂનાગઢમાં આવેલા મગફળી સંશોધન નિદેશાલય દ્વારા મગફળીની વધુ ઉત્પાદન આપતી ગિરનાર-૨ અને ૩ નામની જાત વિકસાવવામાં આવી છે. ગિરનાર-૨ અને ૩ નામની જાત વિકસાવવામાં આવી છે. ગિરનાર-૨ અને ૩ નામની જાત વિકસાવવામાં આવી છે. ગિરનાર-૨ અને ૩ નામની જાત વિકસાવવામાં આવી છે.

જૂનાગઢમાં આવેલા મગફળી સંશોધન નિદેશાલય દ્વારા મગફળીની વધુ ઉત્પાદન આપતી ગિરનાર-૨ અને ૩ નામની જાત વિકસાવવામાં આવી છે.



જૂનાગઢમાં આવેલા મગફળી સંશોધન નિદેશાલય દ્વારા મગફળીની વધુ ઉત્પાદન આપતી ગિરનાર-૨ અને ૩ નામની જાત વિકસાવવામાં આવી છે.

જૂનાગઢમાં આવેલા મગફળી સંશોધન નિદેશાલય દ્વારા મગફળીની વધુ ઉત્પાદન આપતી ગિરનાર-૨ અને ૩ નામની જાત વિકસાવવામાં આવી છે.

દિવ્ય ભાસ્કર સૌરાષ્ટ્ર 5 SATURDAY, 29 સપ્ટેમ્બર, 2012

જૂનાગઢમાં આવેલા મગફળી સંશોધન નિદેશાલય દ્વારા મગફળીની વધુ ઉત્પાદન આપતી ગિરનાર-૨ અને ૩ નામની જાત વિકસાવવામાં આવી છે.

જૂનાગઢ તા. ૨૮ જૂનાગઢ ખાતે આયોજિત સંશોધન નિદેશાલયમાં ડાયરેક્ટર જે.બી. મિશ્રાની આગેવાની નીચે એક પ્રેસ મીટિંગ આયોજન કરવામાં આવ્યું હતું.

દુષ્કાળ અને રોગચાળા સામે ટક્કર ઝીલી શકતી મગફળીની નવી જાત શોધાઈ

‘ગિરનાર-૨’ ૨૭ ટકા વધુ ઉત્પાદન આપશે : ‘ગિરનાર-૩’ પાણીની અછતને સહન કરી શકે છે

જૂનાગઢના મગફળી સંશોધન નિદેશાલય દ્વારા દુષ્કાળ અને રોગચાળા સામે ટક્કર ઝીલી શકતી મગફળીની નવી જાત શોધાઈ

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જૂનાગઢના મગફળી સંશોધન નિદેશાલય દ્વારા દુષ્કાળ અને રોગચાળા સામે ટક્કર ઝીલી શકતી મગફળીની નવી જાત શોધાઈ

Institute Seminars

Speaker	Date	Topic(s)
Dr KA Kalariya Scientist (Plant Physiology)	October 20, 2012	'Chlorophyll fluorescence: A Physiological mechanism and a physical tool in plant physiology'
		'Relative water content as an index of permanent wilting point on groundnut under severe water deficit stress'
Dr Ajay BC Scientist (Plant Breeding)	October 20, 2012	'Screening peanut (<i>Arachis hypogaea</i>) genotypes for adaptation to low phosphorus'
Mr Harish G Scientist (Entomology)	October 23, 2012	'Impact of weather parameters on population dynamics of insect pests of groundnut'
Dr SK Bera Senior Scientist (Cytogenetics)	October 29, 2012	'Study of molecular diversity in inter-specific derivatives of groundnut resistant to peanut bud necrosis disease (PBND) using SSR markers'
	November 05, 2012	'Molecular diversity and association of simple sequence repeat markers to kernel mass in cultivated groundnut (<i>Arachis hypogaea</i> L.)'
Sh Nataraja MV Scientist (Entomology)	November 08, 2012	'Management of sucking pests in groundnut with insecticides'
Dr Radhakrishnan T Principal Scientist (Plant Breeding)	December 11, 2012	'Transgenic resistance to biotic and abiotic stresses in groundnut'

Photo gallery



Farmers from Saurashtra (Gujarat) visited DGR



Farmers from Rajasthan visited DGR

Editors : Rinku Dey, G. P. Mishra and J. B. Misra

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