

JNKVV NEWS

Official Newsletter of
Jawaharlal Nehru Krishi
Vishwa Vidyalaya, Jabalpur



Annual Group Meet of All India Coordinated Research Project on Chickpea



The 18th Annual Group meet of AICRP on Chickpea was organized from 24th – 26th August, 2013 at JNKVV, Jabalpur. Approximately 150 scientists from SAU's, ICAR, ICRISAT and ICARDA nominees attended the workshop. Speaker Madhya Pradesh Assembly Hon'ble Ishwar Das Rohani was the Chief Guest and Dr. Ramkrishna Kusmaria, Minister, Department of Farmers Welfare and Agriculture Development, Govt. of Madhya Pradesh was the Chairman of the inauguration function. Dr. Swapan Kumar Datta, Deputy Director General (Crop Science), Prof. V.S. Tomar, Vice-Chancellor, JNKVV, Jabalpur, Dr. B.B. Singh, Asstt. Director General (Oilseed and Pulses), Dr. N. Nadrajan,

Director Indian Institute of Pulses Research, Kanpur, Dr N.P. Singh, Project Coordinator, AICRP on Chickpea, Dr. S.S. Tomar, Director Research Services, JNKVV, Jabalpur and dignitaries, Dean's, Directors, distinguished faculty members gave their kind presence and provided valuable guidance. On this occasion, RAU, Sriganaganagar was honored with 'Best Centre Award of 2012-13'. In the workshop, the research activities of Rabi 2012-13 was discussed and formulated the technical programme for Rabi 2013-14. Three varieties namely GJG 0809 for NHZ, CSJ 515 for NWPZ and GLK 28127 for NWPZ have been identified for released by the variety identification committee

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National Group Meet (Rabi) of AICRP on Forage Crops organized



National Group Meeting (Rabi) of AICRP on Forage Crops was organized at College of Agriculture, JNKVV, Jabalpur during 7-8 Sept. 2013 under joint auspices of Indian

Council of Agricultural Research, New Delhi- Indian Grassland & Forage Research Institute, Jhansi and Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur under the

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Tel. : +91-761-2681858, 2681706
Fax : +91-761-2681389
web : www.jnkvv.nic.in

Chairmanship of Dr. V.S. Tomar, Vice Chancellor. The Chief Guest of the function was Dr. Swapan Kumar Datta, Deputy Director General (Crop Science) and Guest of Honour was Dr. R.P. Dua, Assistant Director General (FFC), Indian Council of Agricultural Research, New Delhi. More than 150 scientists across the country engaged in forage research were participated in the meeting.

RESEARCH ACTIVITIES

New Projects Sanctioned

Five *ad hoc* projects worth Rs. 456.47 lakh have been sanctioned

┆ Evaluation and utility of direct application of Gypsum and its mixture with low grade rock phosphate, feldspar, vermicompost, poultry manure and cow dung in different crops of Vindhya Plateau of Madhya Pradesh. P.I.: Dr. S.R.S. Raghuwanshi, Associate Prof. (Soil Science) College of Agriculture, Ganj Basoda. Financed by FCI Arawali Gypsum & Minerals Limited, Jodhpur, financial outlay: Rs. 13.593 lakhs, duration: three years.

┆ Metagenomic analysis of the 1-Aminocyclopropane-1-Carboxylate Deaminase gene (AcdS) diversity of rhizospheric and endophytic bacterial population associate with wheat". P.I.: Dr. Iti Gontia Mishra, RA, Biotechnology Centre, JNKVV Jabalpur. Financed by Department of Science & Technology, Science and Engineering Research Board, New Delhi, financial outlay: Rs. 24.50 lakhs, duration: 3 years.

┆ Development of an improved seed drill choke indicator. P.I.: Dr. A.K. Rai, Associate Professor, Instrument Development & Service Centre, JNKVV Jabalpur. Financed by Ministry of Science & Technology, New Delhi, financial outlay: Rs. 18.38 lakhs, duration: 2 years.

Mandi Board

┆ Setting up of Finger print laboratory. Financial outlay: Rs. 200.00 lakh.

┆ Certificate and Diploma Course in Agri-Business Management (MBA). Financial outlay: Rs. 200.00 lakh for 2013-14.

Resource Generation

• Products of different companies/ firms (seeds, fertilizer, insecticides, pesticides, PGR etc.) of worth Rs. 43.20 lakh have been tested under

Consultancy Processing Cell, Directorate of Research Services, JNKVV, Jabalpur during July to September 2013.

┆ Jawahar Biofertilizer production Centre, JNKVV, Jabalpur has generated Rs. 17 lakhs as income by sale of bioinoculents viz., PSB, Azotobactor, Rhizobium, BGA and Trichoderma.

┆ Commercial Production of *Azola microphylla* was successfully started in B.G.A. Unit, College of Agriculture, Rewa for cattle feeding to enhance the milk production. The farmers of Rewa division benefitted through adoption of organic bio-fertilizer for increasing the rice productivity. Dr. S.K. Pandey and Dr. S.K. Tripathi initiated the Azolla production successfully in the region. Rs 1.40 lakh was generated through selling of BGA and Azolla through Department of Agriculture district Rewa during August and Sept. 2013.

New Machines developed

┆ Under AICRP on Post Harvest Technology Project, a Groundnut testa removal machine with 86% shelling efficiency is developed.

┆ An instrument for digital measurement of angle of repose of grains is developed.

Visits abroad

┆ Dr. Anita Babbar, Principal Scientist (Plant Breeding & Genetics), College of Agriculture, Jabalpur and Dr. Yogranjan, Scientist (Biotechnology), College of Agriculture, Tikamgarh visited Spain to attend Breeding Multi Year Course (IB-MYC) - Year 2 organized by Generation Challenge Programme of CGIAR, coordinated by CIMMYT, Mexico at the Mediterranean Institute of Zaragoza, (CIHEAM - IAMZ), Spain from 1 – 12 July 2013.

┆ Dr. Sharad Tiwari, Director, Biotechnology Centre, JNKVV Jabalpur visited International Centre for



Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy during 1-5 July 2013 to attend workshop on “Strategic approaches in evaluation of the science Underpinning GMO Regulatory Decision making”.

Dr. S.K. Rao, Dean, Faculty of Agriculture, JNKVV Jabalpur, visited Japan during 7-15 September 2013 as a member of team for Counterpart Training for strategies making for Agricultural Research Extension System and Rural Infrastructure System towards the maximization of soybean cultivation.

Dr. P.C. Mishra, Principal Scientist (Plant Breeding & Genetics), Zonal Agricultural Research Station, Powarkheda visited Lisbon (Portugal) during 27-30 September 2013 to attend the 2013 CGP General Research Meeting organized by the CGIAR, Generation Challenge Programme (CGP)

MOU Signed

The MOU between MANAGE, Hyderabad and JNKVV, Jabalpur has been signed for implementation of Agri-Clinics and Agri-Business Centre at JNKVV, Jabalpur. Dr. Sunil Bhaskar Rao, Nahatkar, Principal Scientist (Agril. Economics & Farm Management) Directorate of Research Services is nominated as Nodal Officer and Dr. Samit Kumar, Business Manager, BPD Unit, JNKVV, Jabalpur as Training Coordinator for implementation of this programme in the Vishwa Vidyalyaya.

Visit of JNKVV experimental field Japanese agricultural experts visited JNKVV

A group of (JNKVV) Japanese agricultural experts visited the University and the Mushkura and Mohatara villages near Jabalpur from 24th August to 4th September 2013 under a Joint Technical Cooperation Project between the Government of Madhya Pradesh and Japan International Cooperation Agency (JICA) for increasing soybean production in Madhya Pradesh.

Participants from National Resource Management Group, ICAR, New Delhi, Borlaug Institute for South Asia, Jabalpur, Ludhiana and Bihar visited the experiments on resource conservation technology experiments on 22 September, 2013.

Awards



Dr. B.P. Bisen, Scientist, Horticulture awarded best oral presentation on Door crop: A way to livelihood Security to landless and small farmers in National Conference on “Agriculture in Madhya Pradesh: Prospects and Challenges” held at Bhopal from 1-2 September, 2013.

Dr. Amit Kumar Jha awarded best poster presentation on “Effect of different concentration of seaweed saps on Green fodder and seed yields of Berseem (*Trifolium alexandrium*) in National Conference on “Agriculture in Madhya Pradesh: Prospects and Challenges” held at Bhopal from 1-2 September, 2013.

Ku. Stuti Mishra awarded best poster presentation on Agriculture and Food Security: Challenges in Changing Climate in National Conference on “Agriculture in Madhya Pradesh: Prospects and Challenges” held at Bhopal from 1-2 September, 2013.

Dr. Raghuraj Tiwari, Associate Professor, College of Agriculture, Rewa was awarded with best oral presentation in the National Seminar organized by Search and Research Group at Bhopal on 2 September, 2013.

Student's activities

10 NCC cadets from College of Agriculture Ganj Basoda and 15 from College of Agriculture, Rewa have participated in Annual Training Camp.

27 NCC cadets from College of Agriculture, Rewa have passed C and 24 B certificates successfully.

15 students from College of Agricultural Engineering, Jabalpur were selected in different reputed organizations through campus selection.

11 students from College of Agricultural Engineering, Jabalpur have qualified in Graduate

Aptitude Test in Engineering.

Twelve students from College of Agricultural Engineering, Jabalpur were selected in Junior Research Fellowship examination' 2013.

EXTENSION ACTIVITIES

Department of Farm Machinery and Power Engineering, College of Agril. Engineering, Jabalpur conducted a 15 days training programme from 03-17 August, 2013 on "Custom Hiring Kendro Ki Stapan Ke Liye Hitgrahiyon Ko Prasikchan, Unnat Krishi Yanto Avam Tractor Ki Karya Pranali".



Training cum half yearly Review meeting of JNKVV Farm was organized at College of Agriculture, Rewa on 17 Sept. 2013. Dr. V.S. Tomar, Vice Chancellor, Dr. S.S. Tomar, Director Research Services and Dr. N.N., Pathak Director Farms, JNKVV, Jabalpur have graced the function and critically reviewed the farm activities of College and KVK Farms .

Intervention and Transfer of Technology

Hoshangabad District was severely affected with heavy and regular rains and flood. Due to continuous and heavy rains, large area of the district remained unsown. These farmers were trained by KVK-Powarkehda, Hoshangabad to cultivate paddy crop. As a result of technological intervention, the unsown area was cultivated with paddy crop in about 52000 ha.

High yielding variety JNC 6 demonstrated in the tribal areas which are undulated in topography light red, with low water retention. The variety was found suitable and remunerative in on farm trial conducted during Kharif 2012. During 2013, it was demonstrated for large scale adoption on an area of 20 ha in Kundam block.

KVK, Jabalpur and ATMA jointly selected the 5000 farmers in three blocks, i.e. Kundam, Sehora and Panagar. They were made aware about soil testing the deep ploughing in summer by comparing subsequently, selected farmers were motivated to use

quality seed and seed treatment ridge and furrow (RF) system and system of rice intensification (SRI).

MP Jan Abhiyan Parishad Bhopal organized one day workshop at College of Agriculture, Rewa on 16 July 2013. Dr. Ajay Shankar Mehta, Shri Pradeep Khare, Commissioner, Rewa, Smt, Hem Lata Singh Director, MP Jan Abhiyan Parishad, Bhopal, Dr S K Pandey and Dr. S.K. Tripathi addressed to the participants .

Zonal Workshop of Department of Agriculture, Rewa was organized at College of Agriculture, Rewa on dated 5 July 2013. Shri Pradeep Khare, Commissioner, Rewa and Dr. S.K. Tripathi delivered special lecture on adoption of agriculture technology in the region.

State level Kisan mela was organized by Department of Agriculture under ATMA Project at College of Agriculture, Rewa on 11-13 Sept 2013. Shri Rajendra Shukla, Minister of State Energy Development and Mines have graced the function as Chief Guest. The efforts of college scientists were highly appreciated to popularize the agriculture production technology in the region.

Awards and Recognitions of Farmers

Contact farmer of KVK, Balaghat, Mr. Jiyalal Rahangdale was awarded as 'Best Farmer' with Certificate and Cash Prize of Rs. 51,000/- in Global Agriculture Summit Gujarat 2013, Ahmedabad (Gujarat) organized from September 9-10, 2013 for integrated farming, organic farming and protective agriculture. In the summit, contact farmer of KVK, Seoni, Mr. Vilas Tijare was also awarded by a Certificate and Cash Prize of Rs. 51,000/- for his meritorious contributions to agricultural & allied fields.

Book Chapter Published

Tripathi, S.K. , Nema, Sushma, Tiwari, R.K. and S.K. Rao (2013). Fungicide Resistance and their Management, Biotechnological Approaches in Crop Protection. pp263-298 published by Biotech Books New Delhi.

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