



e-NEWSLETTER

APRIL 2018



Editor-in-Chief:

Dr. R. C. Srivastava

Editor:

Dr. Kumar Rajyavardhan



Message



from the Vice-Chancellor Desk

Dear Readers,

Dr Rajendra Prasad Central Agricultural University came into existence on 7th October, 2016 after conversion of Rajendra Agriculture University, Bihar, Pusa established on 3rd December, 1970. It is named after the most illustrious son of the soil, Bharat Ratna Dr. Rajendra Prasad. The University offers 9 undergraduate degree, 18 post graduate degree (including MBA in Agribusiness programme) and 09 Ph.D Programme.

The University has developed a large number of cereals, pulses, oil seeds, tubers, species, millets and horticulture crops varieties for different agro-ecological situations. It has released 126 important crop varieties including hybrids. Research in agricultural engineering has led to the development of better farm machinery. Extension activities of University have been accelerated through various KVKs. The University has started new initiatives in conformity with Government of India policy. These are (i) Doubling farmers income (ii) Har Khet Ko Pani (iii) Soil health management (iv) Enhancing pulse production and (v) More crop per drop, and evaluation of irrigation system based on underground pipe line, Micro irrigation system for inter crop Sugarcane and maize crop.

In the past two years after becoming a Central University a lot of infrastructural, academic, administrative and research related development has taken place. To name a few, forty classrooms have been provided with smart podium, sugarcane varieties with higher sucrose percentage, better varieties of Wheat, Mushroom, Rice and other crops have been released. Scientists are doing remarkable job in research as well as extension so that farmers of the region and country as a whole may get benefitted. As far as the education is concerned I want to say that we are committed to provide quality education with appropriate skills to transform the lives of our students. It is my privilege to emphasize that we are creating one of the best infrastructures and a team of highly qualified and dedicated faculty members to shape up the better and brighter tomorrow of our students with varied talents. Publication Division is printing various books and quarterly newsletter to highlight those achievements. But now we are living in a digital era. The communication scenario has changed and with advent of technology we are able to pass on the message instantly and in a better way. To keep pace with this development, we have decided to start publishing e Newsletter.

It gives me immense pleasure to present first edition of e Newsletter of Dr Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar, which highlights the important events and achievements of past one month. I hope you will enjoy reading.

Happy Reading!!!!

R. C. Srivastava

VICE-CHANCELLOR'S ENGAGEMENT

Brainstorming Session on "Technical Backstopping by Agricultural Universities: A way forward in Implementation of Agricultural Road Map of Bihar" was organised on 25 April 2018 in Vidyapati Sabhagar of the University. The role of Agricultural Universities and ICAR Institutes of the region were discussed in detail with an aim to trace out technology awareness gap between universities and department of agriculture.

inaugurated Mobile Soil Testing Lab of Dr RPCAU at Mela ground.



Honourable Union Agriculture and Farmers Welfare Minister, Shri Radha Mohan Singh, Director ATARI, Patna and other dignitaries visited stalls of Dr Rajendra Prasad Central Agriculture University, Pusa and stalls of other Krishi Vigyan Kendra attached with the University, on 14 April, 2018. They showed keen interest in value added product from banana fibre, Mithila painting, bio-products, bamboo furniture and others. Scientists and farmers present their answers to the queries of guests. Honourable Agriculture Minister appreciated the effort of Scientists.



State Level Kisan Mela was organised from 13th to 15th April at Motihari in which various teams of Dr Rajendra Prasad Central Agricultural University participated. Dr Ramesh Chandra Srivastava Vice Chancellor of Dr RPCAU also attended the program. Hon'ble Central Agriculture Minister Radha Mohan Singh ji inaugurated Matsya Bandhu 'a mobile fridge' designed by Dr RPCAU scientists, which is powered by solar panel. This device helps fish retailers to avoid distress sale in late hours and also provide a hygienic way of storing fish on roadside. It can also be used for fish selling going around city mohalla. Hon'ble Minister of State for Agriculture Sri Parshottam Rupala ji



VICE-CHANCELLOR'S ENGAGEMENT



In this mela, the University got best stall prize during closing ceremony of state level agriculture fair. Vice Chancellor of Dr. Ramesh Chandra Srivastava congratulated the University team members and wished that university faculty members and staff will continue to work in close co-ordination.



Work on Mushroom program under Tribal Sub Plan is going on in the tribal villages of Jamui district. Vice-Chancellor visited the villages in Jamui and appreciated the effort of Dr. Dayaram principal scientist of Mushroom Production. A spawn production unit is also functioning in this area. The significant part of whole spawn unit is that two school going daughters of family has been trained to do culturing in Laminar flow apparatuses. Tribal members of the village welcomed the Vice Chancellor in traditional way and informed him that because of Mushroom Production now they are able to earn more. Dr. Dayaram informed the Vice Chancellor about the progress in Mushroom Production training and said that a very good linkage of Spawn production, Mushroom production and Marketing has been established in the area.



Vice Chancellor of Dr. Rajendra Prasad Central Agricultural University Dr. Ramesh Chandra Srivastava attended Round Table Conference on the topic of "Unleashing of Potential of Bihar Agriculture" at Patna on 27th April 2018. Conference was organized to discuss working paper prepared by Indian Council of International Eco Research. It was attended by Deputy CM, Shri Sushil Modi along with ministers of agriculture, water resources and energy. Agriculture Production Commissioner and Principal Secretaries of related departments were also present. Vice Chancellor presented a brief of different technology developed at university which were highly appreciated.



NEWS FROM KVKS

23 April, 2018 Hon'ble Vice Chancellor, Director Extension Education, Nodal Officer (KVKS) and all the PCs from KVKS attended the meeting at Department of Extension Education, DRPCA, Pusa to discuss over the emerging trends of communication in the field of extension education.



Krishi Vigyan Kendra Jale organised an exposure visit of farmers of keoti block at KVK. The visit was sponsored by ATMA, Darbhanga more than 50 farmers participated in the visit and learnt news techniques of farming.



Dr. Shailendra Rajan, Director CISH Lucknow, visited Krishi Vigyan Kendra Vaishali on 26th April 2018. He appreciated

the effort of scientist posted in KVK Vaishali for agricultural development of the area. He also visited Panama Wilt affected field of Banana.



Krishi Vigyan Kendra, Piprakothi team participated in the programme "National Panchayati Raj Divas" organised at village Narha, Tetariya block on 24th April 2018. Hon'ble Agriculture and Farmers Welfare Minister, Government of India, Shri Radha Mohan Singh informed the gathering about the various schemes sponsored by central and state government for the overall development of framers and poor families. He said the government is committed toward inclusive growth of the region. He also



NEWS FROM KVKS

appreciated the effort of KVK, Piprakothi at Narha Panapur panchayat. More than five hundred farmers and various government officials of state and centre participated in this programme.



Krishi Vigyan Kendra Begusarai organised two day training programme for the framers on the topic of "Fruits and Vegetable Preservation" in its campus on 24th and 25th May. In this training programme more than 30 rural women and farmers participated and learnt the techniques of preserving fruits and vegetable for longer duration. Fruits and vegetable perishes very fast because of which farmers use to sell it in

cheaper rates. After the training farmers opined that this training was very beneficial to them and now they shall not be forced to sell it in haste in cheaper rates.



Krishi Vigyan Kendra Vaishali organised participation of farmers at state skill competition 2018. The skill competition was held on 21st Aril at Bihar Veterinary College, Patna.



Krishi Vigyan Kendra Birauli organised training cum demonstration of Mobile Dal Mil on 17th April at Punas villages in Panchrukhi, Block Samastipur. More than 50 farmers from the village participated in this training.



NEWS FROM KVKS



Krishi Vigyan Kendra Manjhi, Saran organised 15 day vocational training on Integrated Farming System from 17th April to 2nd May 2018. Farmers enthusiastically participated in the program. Various scientists of Krishi Vigyan Kendra and Dr Rajendra Prasad Central Agricultural University trained the farmers about the scientific method of farming so that their earning may get doubled.



Krishi Vigyan Kendra ,Sitamarhi organised a Kisan Goshthi on 14th April 2018

to celebrate the birth anniversary of Dr. B.R. Ambedkar. In this Kisan Gosthi, various farmers participated and discussed their agricultural problems with the scientist of the KVK. Scientists explained them about the solutions of their agricultural problems and encouraged them to adopt new scientific method of farming. Scientists also informed the farmers about the contribution of Dr B R Ambedkar in framing the constitution.



Field day and crop cutting of ZT Wheat was conducted by Krishi Vigyan Kendra Piprakothi at village Birta Tola in the presence of Nodal officer KVK, DRPCAUI on 14th April 2018. Variety of the wheat was HD 2967. This was KVK-CSISA project field trial and yield was 4.73 t/ha.

TECHNOLOGY DEVELOPED BY DRPCAU, PUSA

Matsya Bandhu is mobile fridge designed by Dr. Rajendra Prasad Central Agriculture University. This device helps fish retailers to avoid distress sale in late hours. It also provides a hygienic way of fish storage. This mobile fridge is powered by solar system and batteries. It does not necessarily require electricity so it can be used for fish selling roaming into the streets of city and mohallas.



NEW TECHNOLOGY IMPLEMENTED BY DRPCAU, PUSA.

SOLAR TREE FOR IRRIGATION



In the areas like diara lands where electric lines could not be laid due to frequent floods and farmers are forced to adopt the costly alternative of diesel pumping systems for irrigation to their fields. The light textured soil and undulating topography of these lands require frequent watering. The Solar Trees which are considered safer from the intentional damage to the panels and offer about 20% higher efficiency are being tried as an alternative to the diesel pumps. The submersible pumps which can be operated through this system further enhances the efficiency of pumping and irrigation. It also provides favourable environment for the use of pressurized irrigation systems which are considered to be the best alternative under the prevailing situations of the area.

- Installation covers only 10m² land.
- Cost about 5.50 - 6.00 lakh (without pump and tubewell)
- 5kw_p capacity tree can operate a 5 hp pump.

Assistants : Sushil Kumar Singh, Sanjeev Kumar, Photographer : K. K. Verma