

PANT RESEARCH NEWS



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**DIRECTORATE OF RESEARCH
GBPUAT, PANTNAGAR**

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"Agriculture is the backbone of the livelihood security system of nearly 700 million people in the country and we need to build our food security on the foundation of home grown food."

.....M. S. Swaminathan.....

Vice-Chancellor's message



The Directorate of Research was established with the inception of University in the year 1960, with mandate of Co-ordination of all Research activities, Development, Evaluation, Processing budgeting of research projects & Programmes, Monitoring of research centres.

Directorate of Research Pantnagar revolutionized the modern agriculture of India with several varieties and technologies for the farmers. The recent release of 15 high yielding varieties of different crops is the testimony of contribution of University. In the foreseeable future Directorate aims to give thrust on the production of seeds, bio-control agents, bio fertilizers etc, with focus on transfer of technology to the famers. Presenting research achievement in the form of Pant Research News Letter is an innovative step which will encourage scientists of University to contribute towards advancement of Pant University.

Editor-in-Chief message

Directorate of Research, GBPUAT Pantnagar is the backbone of University as it is responsible for coordinating all research activities. Directorate of Research since its inception is committed to develop high yielding varieties, new technologies and learning materials for agricultural community across the country and overseas. It is helping scientists publishing research papers in reputed journals, and also booklets on new and improved technologies for the benefit of farming community. Since substantial amount of research in the field of Agriculture and allied fields is being conducted by University, it has been felt that a proper space should be given to showcase path-breaking technologies and achievements. This is that a new initiative has been taken in the form of News Letter. The suggestions of esteemed readers are welcomed.



Dr Santosh Yadav, Asst Professor setting an example of exemplary leadership by participating in rice transplanting



Real photograph of Long Term Fertility Experiment at NEBCRC kind courtesy; Dr D.K. Singh PI and Professor, Agronomy

Research Story

During the Covid-19 pandemic period the Directorate was committed render the best services to the farmers and other stakeholders of state and Nation. In last couple of months several activities were carried out.

Review of the Activities of Centers

Hon’ble Vice-Chancellor **Dr. Tej Partap** headed the long sessions of presentations made by different research unit in-charges. **Dr A.S. Nain**, Director Research coordinated these research churning sessions. The mandate, mission, vision and future activities and goal of the every research centrer were relooked and refocused according to future demand. Long term future research strategies were discussed thoroughly by the scientists, a number of new areas of research were chosen and administrative decision were taken to achieve short term and long term goals of respective units. The financial sustenance of the center was given due emphasis.



Vice-Chancellor Dr Tej Partap and Director Research reviewing the progress of different centers



Dr VP. Singh, Joint Director along with other experts presenting the progress and sustainability plan of CRC.



Directorate of Research Pantnagar has played a pivotal role in ushering Green Revolution era in the Country by developing more than 300 high yielding varieties of field crops, oil seed, vegetables, flowers, fruits, forest trees and fodder etc.

It has transformed the quality of life of the farmers and Nation as well. The Directorate is operating hundreds of research projects focusing on issues of farmers of the state in particular and country as general. Green revolution with dwarf varieties and Zinc application for Khaira disease are the some of the path-breaking achievements of the University which changed agricultural scenario in country. Pantnagar Research News aims at bringing research achievements of scientists, faculty members and students at one place for the benefit of mankind in general and of the farmers, in particular.



SL. No	Crops	Variety
I	Sorghum	<ul style="list-style-type: none">CSH43F(National Release)Pant Chari 12Pant Chari 13Pant Chari 14Pant Chari 15
II	Maize	<ul style="list-style-type: none">Pant Sankar Makka 5Pant Sankar Makka 6
III	Wheat	<ul style="list-style-type: none">UP2903UP2938UP2944
IV	Gram	<ul style="list-style-type: none">Pant Gram 7Pant Gram 8Pant Gram 9
V	Pigeon Pea	<ul style="list-style-type: none">Pant Arhar 7
VI	Oat	<ul style="list-style-type: none">Pant Chara Jai 4



Breeder Scientists and supporting Staff being felicitated by Vice-Chancellor at the occasion of release of 14 varieties of different crops

Breeder Seed Production

Govind Ballabh Pant University of Agricultural & Technology has led the nation from the front to achieve the self-sufficiency in agriculture production time and again. The Covid-19 Pandemic period cannot let down the moral and energy of the University scientists and staff. Dr Tej Partap, Hon'ble Vice-Chancellor being head of the family set an example of devotion in front on nation by transplanting the rice seedlings at Breeder Seed Production centre of the University. He is in the view that once this tough time of Covid-19 pandemic is over, farmers will be in stern need of seeds of different crops, therefore, University must be prepared well in advance to serve the nation.

Vice-Chancellor addressing the media group brought at fore that the University is producing almost 800 tonnes Breeder Seed every year for the farmers and University is the leader in the country. In the university campus around 429 lakh hectare area for *rabi* and *kharif* crop foundation seed production is being carried out. He urged and directed the staff and labours that in this adversity you have to follow the guidelines given by the government and do the best you can with your safety.

At the time of inauguration of transplanting of rice at BSPC, Director Research Dr. A.S. Nain was also present and he also transplanted the rice seedlings to boost the moral of workers.

Dr. Nain stated that Pantnagar university is producing around 230 tonnes of Breeder Seeds of 10 crops and around 60 varieties during kharif season. The major crops for which the university is producing breeder seeds are rice, soybean, pigeonpea, maize, blackgram, mungbean and sorghum etc. Director Research narrated to the hon'ble Vice-Chancellor and other officials present there that university is doing very excellent work in seed production for the farmers, NGOs and government organizations.

Joint Director Seed Production Centre Dr. P. S. Shukla informed that this year rice varieties Pant Dhaan 22, 24, 26 and 28, Pigeonpea varieties Arhar 6 & 7 & Blackgram variety Pant Urd 10 are being grown at BSPC in the ensuing season for supplying breeder seed to government of India & state government. Dr. Shukla added that varieties of Pantnagar are being made available to the states like M.P, Orissa, A.P., Kerala, West Bengal, Tamilnadu, Bihar & U.P.



Hon'ble VC, Director Research & JDBSPC at the time of inauguration of transplanting of rice.

Awards & Achievements



It is a matter of pride for the entire family of Pantnagar that fifteen new varieties of different crops have been released in one go at national and state level, and AICRP-Sorghum was adjudged best Center at National level.
...Director Research...

All India Co-ordinated Research Project on Sorghum Pantnagar Centre was adjudged best at national level. The Directorate of Research congratulates scientists and staff associated with the programme. It is the outcome of hard work paid by current group members and predecessors. It is the legacy of the University to be at the top and is being rightly maintained by scientists, faculty members and associate staff.

Thirty scientists from the different disciplines participated online in the workshop, seminar/webinar, training etc. during past month. The different research centres not only performed main stream farmers problem oriented research work but also facilitated students research work for their masters and Ph.D. degree. Several students are in the process of submitting their theses. It is matter of pleasant feel and proud to see that lockdown/Covid-19 pandemic did not affect the morals and enthusiasm of our scientists. More than 55 research papers have been published in the national and International journal of repute.



