

ANNUAL REPROT MERA GAON MERA GAURAV 2018-19





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Annual Report 2018-19
ICAR-National Research Centre on Plant Biotechnology
Pusa Campus, New Delhi - 110012

1. Background Information:

National Research Centre on Plant Biotechnology (NRCPB) is a premiere research institution of the Indian Council of Agricultural Research (ICAR). The institute was founded in 1985 as the 'Biotechnology Centre' of Indian Agricultural Research Institute (IARI) for molecular biology and biotechnology research in crop plants. The prescience of the role of biotechnology in agriculture led to a bigger responsibility for this centre and it was elevated as National Research Centre on Plant Biotechnology (NRCPB) in the year 1993. ICAR-NRCPB has been entrusted with the responsibility of developing new tools and techniques and to deliver breakthrough in biotechnology for crop improvement.

With a humble beginning and a few dedicated scientists, the centre could successfully deliver varieties such as Pusa Jai Kisan, which is one of the top three mustard varieties released by the ICAR till date. Besides, the centre has released a rice variety Improved Pusa Basmati-1 resistant to bacterial leaf blight and PB-1637 for blast resistance using marker assisted selection (MAS) in collaboration with the Division of Genetics, IARI. Recently, in rice DRR Dhan-50, CR Dhan 802, CR Dhan 206, Ranjeet and Bahadur for drought and submergence tolerance were released using marker assisted selection (MAS) in collaboration with IIRR, Hyderabad, NRRI, Cuttack, Odisha and AAU, Jorhat, Assam under the DBT sponsored project QTL to Variety. Moricandia based CMS system developed at NRCPB has contributed to the commercial production of mustard hybrids namely NRC Sankar Sarson (DRMR, Bharatpur) and Coral 432 (Advanta India). Recently, four varieties of mustard namely PM-25, PM-26, PM-28 and PM-29 were released and notified by CVRC with partnership of IARI, New Delhi. Also, an early maturing dwarf pigeon pea variety Pusa Arhar-16 was released in 2017 with collaboration of IARI, New Delhi. Apart from Moricandia CMS, about 11 CMS in Brassica juncea and one CMS in Brassica oleracea were developed from ICAR-NRCPB, Delhi. In 2017 one genetic stock of Brassica rapa vr. yellow sarson namely, NRCPB rapa 8 were registered in 2017 which enables high frequency of in-vivo seed recovery in interspecific crosses with Brassica nigra without embryo rescue or any other tissue culture interventions during resynthesis of *Brassica juncea*.

The rice blast resistance gene Pi54 identified, mapped, cloned and characterized at NRCPB has been transferred in mega varieties of rice like Pusa Basmati and BPT 5204 and in many other varieties by the rice breeders using MAS. The centre has matched steps with the changing time and conducted research in basic and applied research for crop improvement resulting in many publications in high impact factor journals, patents and public private partnerships. The state-of-the-art infrastructure and expertise of the scientists have enabled the successful execution of International (rice, tomato and wheat) and National (Pigeonpea, Mango, Mesorhizobium, Puccinia and Magnaporthe) genome sequencing projects.

The centre takes lead and has contributed substantially towards human resource development by developing strong inter-and intra-institutional linkages and organizing training programmes, summer/winter schools sponsored by Education Division of ICAR as well as other major national funding agencies.

2. Technological intervention: The new varieties viz., DRR Dhan 50, Pusa Basmati 1637, Pusa Jaikisan, Pusa Mustard 28, Pusa Arhar 16, HD 3237, were demonstrated at farmer's field in the area of western and eastern part of Litter Produch

and eastern part of Uttar Pradesh.

3. Innovative extension methods used: Field demonstrations were conducted through farmer participatory mode at farmer field and at ICAR-NIPB, Delhi. Kisan ghosti and farmer's day were organized at institute and villages. The

seed kits were distributed of the improved varieties under MGMG program for the replacement of the old

technologies with new technologies.

4. Linkage developed through Govt. sponsored schemes /Spread/benefits: The linkage were developed with ICAR-IARI, Delhi, ICAR-IISR, MAU, KVK, Sikohpur, KVK, Gautam Buddha Nagar in public sector institutes and

in private sector organization the linkage were developed with NEFORD Lucknow for the spread of the

technologies to the farmers.

5. Impact: The new technologies were adopted by the farmer's in large scale in the respective areas. We are providing the knowledge and training to the farmers for the Quality seed production of the different crops which

helps in the self sufficiency of the quality seed for their use.

6. Lessons Learned: NA

7. Supporting Images (2-4 photographs of technological intervention / VIP visit/ extension activities)

8. Additional information (If any): NA

Name of Nodal officer with contact details

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Detailed Progress:

The centre is also actively involved in farmers related project including PM's dream project Mera Gav Mera

Gaurav and Farmers FIRST program to provide the new technologies (varieties tolerant to climate change) and

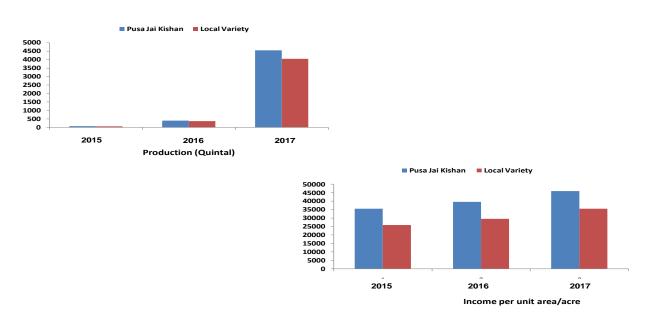
high yielding quality seeds to minimize the cost of cultivation and ultimately to increase the farmer income

aiming towards Doubling the Farmer's Income till 2022. The FLD for different crops were regularly conducted

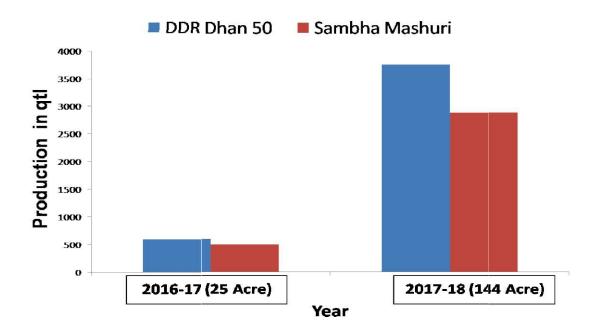
in western and eastern part of UP at farmer's field and example in case of Doubling the Farmer's Income

through ICAR-NRCPB technologies like mustard variety Pusa Jai Kishan and rice variety DDR Dhan 50





Comparison of production between DRR Dhan 50 and Sambha Mashuri during two subsequent years:



Comparison of income per unit acre area between DRR Dhan 50 and Sambha Mashuri during two subsequent years:

25000 25000 15000 10000 2016-17 Year

- ➤ The institute has organized 34 *Kisan Ghosthi* /Meeting with farmers in adopted villages Narmohampur, Nekpur and Shakalapur district Bulandshar and Dumrao, Kasharia, Arshipur, Bhilashpur, district Mau and Ballia Uttar Pradesh .
- ➤ Near about 340 farmers participated and getting benefit from each ghosthi/meeting.
- ➤ Conducted 542 demonstrations of Rice varieties Pusa Basmati 1637 and DDR Dhan 50 were conducted at these adopted villages at farmer filed.
- ➤ The Scientist of the institute advised to the farmers time to time by mobile based technology and also distributed supporting literature related to varieties.
- The awareness about Soil testing, *Pradhan Mantri Fasal Bima Yojna*, E-marketing, Drip irrigation, organic farming and *Sawach Bharat Abhiyan* was also undertaken during the visit
- Near about 352 farmers participated and getting benefit from each ghosthi/meeting.
- ➤ Institute have organized training program of seed production and seed production of Pusa 1637 and Pusa 1460 at respective villages.
- Near about 205 farmers participated and getting benefit from each ghosthi/meeting.
- ➤ Conducted 26 demonstrations of rice varieties DRR Dhan 50, Pusa 1637 and Pusa 1460 were conducted at these adopted villages at farmer filed.
- Institute have organized training program of seed production and seed production of Pusa 1637 and Pusa 1460 at respective villages.
- The Scientist of the institute advised to the farmers time to time by mobile based technology and also distributed supporting literature related to varieties

Also, the training and guidance to the farmers were provided for quality seed production and diversification in agriculture for proper utilization of resources. NEFORD is strong partner in this program and spread advance agriculture technologies in Eastern Plain Zone.

No. of Teams formed:

No. of Team of Scientists	No. of Scientists
06	40

No. of Villages Selected:

No. of Team	No. of	No. of	No. of	No. of	Bench Mark Survey
of Scientists	Scientists	Villages	Blocks	Districts	conducted
					(No. of villages)
06	40	12	04	04	36

Activities undertaken

Activities organised by ICAR Institutes/ SAUs under MGMG

S.	Name of activity	No. of activities	No. of farmers participated
No.		conducted	& benefitted
1.	Visit to village by teams	84	393 & 375
2.	Interface meeting/ Goshthies	37	389 & 389
3.	Training organized	07	205 & 205
4.	Demonstrations conducted	572	572 & 572
5.	Mobile based advisories	49	49 & 49
	(No of message)		
6.	Literature support provided (No)	740	740 & 644
7.	Awareness created (No)	48	384 & 372
8.	Other, if any		

Total	1537	3011 & 2460

Table -2: Other activities organized by ICAR Institutes/ SAUs under MGMG

S.	Name of activity	No. /Area (ha)	No. of farmers benefitted
No.			
1.	Linkages developed with other agencies (No. of agency)	15	1060
2.	Facilitation for new varieties, seeds, technology		
	i. New varieties (No.)	04	675
	ii. Technology (No.)	11	1950
	iii. Seeds (q)	200	735
	iv. New crops (No.)		
	V. Other		

Activity-wise action photographs with caption (also attach photographs JPEG format separately)



3. Field vist fo seed production plot of rice variety DDR Dhan 50



3. NRCPB Scientist visit seed production plot of rice variety Pusa 1637 during rice harvesting



4.Seed production Training at Shakalapur Village



4. Kishan Goshthi at Nekepur village





Project Director and his team discussion with farmer at Java village



NRCPB Ladies Scientist discussion with Nekepur Woman farmers



Field visit of NRCPB Scientists and discussion with regarding The rice related problems at Agota Village



NRCPB Scientist discussed with Java village farmers



NRCPB Scientist discussed with near Java village farmers



Group of farmer and scientist during field visit



Field of Pusa Basmati 1637 demonstration plot at Agota Village



Field Visit of DDR Dhan 50 demonstration plot at KhushiNagar district



Demonstration plot of DDR Dhan 50 at Mau District



Seed Distribution of Pusa basmati 1637 At Agota Village



Seed Distribution of Pusa basmati 1637 at Java Village



Ladies Scientist interact with ladies farmers at Nekepur



Discussion with NRCPB scientist and Farmers



Kishan Goshti at Agota Village



Kishan Goshti at Java Village



Project Director, Scientists of ICAR-NRCPB field visit of DDR Dhan 50at Kasharia Village at Ballia



Project Director, Scientists of ICAR-NRCPB field visit of DDR Dhan 50 at Dumrao village, Mau



Project Director, Scientists of ICAR-NRCPB field visit of DDR Dhan 50 at Arshipur village Ballia



Project Director, Scientists of ICAR-NRCPB along with Scientist and Famer Mr. B.S. Tyagi organic field at Agota, Bulandshar



Field of Pusa Basmati 1637 Scientists of ICAR-NRCPB along with farmer of Shakalapur, Bulandshar



Field of Pusa Basmati 1637 an also discussed with farmer of Narmohampur, Bulandshar



A Group photo of Scientist and Farmers of Shaklapur village Bulandshar



A Group of Female Scientist, ICAR-NRCPB discussed with female Farmers of Nekpur village, Bulandshar



Farmer from Nekpur village show the insect larva of stam borer damage of rice plant.

किसानो की आवश्यकता, कृषि संबन्धित परेशानी एवं कृषि अनुसंधान में जैव प्रौद्योगिकी की संभावनाओं के
मद्देनजर भा. कृ. अनु. पराष्ट्रीय पादप जैव प्रौद्योगिकी अनुसंधान केंद्र, 🗆 🖂 🖂 🖂 🖂 🗀 🖰
किसान दिवस का आयोजन् किया। इस कार्यक्रम में चालीस किसान उत्तर प्रदेश के मथुरा एवं बुलंदशहर जिला
के नेकपुर, खाजपुर, नारमोहम्मद, अगौठा, काकुरगढ़ी एवं बढ़ौत गाँव 🖂 🖂 🗀 🗀 🗀 🗀 🗀 🗀 🗀 🗀 🗀
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परियोजना
एक संछिप्त विवरण के साथ कार्यक्रम की
शुरुआत की। अपने अभिवादन ब्याख्यान में केंद्र के निदेशक प्रो. नागेंद्र कुमार सिंह ने कृषि से जुड़ी
समस्याओं पर आधारित केंद्र के अनुसंधान की अपनी कटिबद्धता को दुहराया। इस मौके पर उन्होंने केंद्र के
वैज्ञानिको को भी किसानो से जुड़ी समस्याओं पर आधारित अनुसंधान के लिए प्रेरित किया। इस कार्यक्रम में प्रो.
श्रीनिवासन (पूर्व निदेशक एवं एमेरिटस वैज्ञानिक), प्रो. एस. आर. भट्ट (एमेरिटस वैज्ञानिक), प्रो. रामचरण
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किसानों के बीच वितरित किया गया 👊 👊 👊 👊 👊 👊 👊 🖂 🖂 🖂 🖂 🖂
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□□□□□□, नई दिल्ली, के द्वारा जैव-उर्वरक के उपयोग एवं दलहन की खेती के महत्व पर एक ब्याख्यान

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10.



ICAR-National Research Centre on Plant biotechnology organized Farmers Day under Mera Gaov Mera Gaurav Programm

The ICAR-National Research Centre on Plant Biotechnology, New Delhi organized 5th Farmers Day on 6th October, 2018 in order to address the farmers need, their problems, and biotechnological intervention in agricultural research. Two hundred fifteen (215) farmers of MGMG adapted villages viz. Nekpur, Khajpur, Nar-Mohhamad, Agauta, Kakurghadhi, Badauth of Mathura and Bulandashar districts of Uttar Pradesh along with 36 scientific and technical staff has been participated in the function. The function has been organized by Nekpur farmers on 6th October, 2018, at 10.30 AM in Nekpur Village, District Bulandshar, Uttar Pradesh. Dr. Sanjay Singh, Principal Scientist convened and initiated the programme with brief introduction of NRCPB research priorities.

In his welcome address, the Project Director Prof. N. K. Singh emphasized the centre's commitment towards farm orientated research. He also sensitized scientists of NRCPB to take up research which are relevant to the farming community. Other dignitaries present on the occasion were Dr. Awani Kumar Singh, Principal Scientist, CPCT, IARI, Pusa, Dr. Mayank Rai, Officer Inchage, KVK, Noida, Mr. Bhart Bushan Tyagi, Progressive farmer and Founder of Organic farming, Dr. SarvJeet Kaur, Senior Principal Scientist and Dr. Jasdeep Padaria, Principal Scientist, NRCPB, Pusa, New Delhi. Dr Awani Kumar Singh addressed farmers and shared very valuable information on vegetable cultivation. Mr. Bhart Bushan Tyagi address to farmers and shared his experiences related to how organic farming profitable to the famres, Dr. Mayank Rai address to farmers regarding the KVK activities related to farmers. Dr. SarvJeet Kaur also address to the farmers and Dr. Jasdeep Padaria giving the vote of thanks. The farmers also discussed their day to day farming related difficulties in the meeting. Ten farmers were felicitated with Krishak Mitra Samman award by Project Director, NRCPB also distributed seed packets of 150 farmers of the mustard variety "Pusa Mustard 28" along with begs and some literature materials related to NRCPB Technologies to the farmers. Project Director, Dr. N.K. Singh, Dr. Sanjay Singh, Dr. A.K. Singh and Dr. Mahesh Rao. has been visited organic field of Mr. Bhart Bushan Tyagi at Beeta village, Bulandshar, Uttar Pradesh.

The Kishan Diwas was attended by Dr. Anita Grower, Dr. Rekha Kansal, Dr. D. Pattnayak, Dr. P.K. Mandal, Dr. Monika Dalal, Dr. Konika, Dr. Subodh K. Sihna, Dr. Amol Solanki, Dr. Sarmistha Thakur, Dr. N.C. Gupta, Dr Mahesh Rao, Dr. Sandhya, Mr. R.S. Jat, Dr. Pankaj Kumar, Dr. K. P. Singh, Dr. Seema Dargan, Dr. R.K. Narula, Mrs. Sandhya Rawat, Dr. R.S. Niranjan, Mrs. Sangeeta Jain, Mrs. Rekha Chauhan, Mr. S. Jha, Dr. Mr. Rajesh Kumar Pal and Mr. Diwan (photographer) . Following are some photographs of interaction with farmers:

















OUT REACH PROGRAMME REPROT

ICAR-National Research Centre on Plant biotechnology and Nand Educational Foundation for Rural Development jointly organized National Kishan Goshti and seed distribution under Mera Gaov Mera Gaurav Programm in Eastern Uttar Pradesh.

The ICAR-National Research Centre on Plant Biotechnology, New Delhi and Nand Educational Foundation for Rural Development (NEFORD), Lucknow, jointly organized National Kishan Goshti and seed distribution Under Mera Gaov Mera Graurav Programme in order to address the farmers need, their problems, and biotechnological intervention in agricultural research of Eastern Uttar Pradesh. Three hundred seventy (370) farmers of Mau, Azamgarh, Ghazipur, Ballia, Gorakhpur districts of Uttar Pradesh along with four Directors of different Agricultural Institutes and Scientists from ICAR-IARI, ICAR-NRCPB, New Delhi and ICAR-IISS and ICAR-NBAIM, Mau. The function was organized on 13th October, 2018, at 10.30 AM in Dumraov village, Mau District, Uttar Pradesh. Dr. Sanjay Singh, Principal Scientist convened and initiated the programme with brief introduction of NRCPB research priorities and MGMG programme.

In his welcome address, the Director, NEFORD, Dr.. R. K. Singh emphasized the his NGO's commitment towards farmers. He also sensitized scientists of NRCPB to take up research which are relevant to the farming community. The dignitaries present on the dias were Chief Guest, Dr. J. Singh, Director, Sugarcane Research Institute (UPCSR), Shahjahanpur, Uttar Pradesh, Guest of Honor, Director, IISS, Mau, Uttar Pradesh, Dr. Dinesh Kumar Agarwal, Chairman of the program, Project Director, Dr. Nagendra Kumar Singh, NRCPB, Pusa New, Delhi. Director, NEFORD, Dr. R.K. Singh, Ex Principal Scientist, Dr. Rama Kant Singh and Other dignitaries present on the occasion were Dr. T. Ram, Ex Principal Scientist and Rice Breeder, DDR, Hyderabad, Dr. Rajeev Singh, Principal Scientist, Agronomy Division, Dr. Awani Kumar Singh, Principal Scientist, CPCT, and Dr. Vaibhav Kumar Singh, Plant Pathology Division, IARI and Dr. Mahesh Rao, Scientist, NRCPB, Pusa, New Delhi, Dr. Harshvardan Singh, Principal Scientist, NBAIM, Mau, Uttar Pradesh.. Dr Awani Kumar Singh addressed to the farmers and shared very valuable information on vegetable cultivation. Dr. Rajeev Singh addressed to the farmers related to technologies and benefits of seed production. Dr. Vaibhav Kumar Singh, shared a very valuable information related wheat disease for the common in Rabi season. Dr. Harshvardan Singh shared with farmers thw importance

of NBAIM product. General remarks of Guests of Honor, Dr. Dinesh Kumar Agarwal to the farmers regarding importance of seed and seed related Governments programme to the farmers. brief remarks by the Chairman, Dr. Nagendra Kumar. Singh regarding the climate resilient rice variety DDR Dhan 50 developed jointly by ICAR-IIRR and ICAR-NRCPB and importance to how farmers can get benefit through this variety. The dignitaries honored twenty two farmers and two scientists Dr. A.k. Singh and Dr. Mahesh Rao with Krishak Mitra Samman and distributed seed packets to the 250 farmers of the mustard varieties "Pusa Mustard 28" and "Pusa Jai Kishan" along with bags and literature related to NRCPB Technologies. Following the general remarks by the chief guests, Dr. J. Singh, Dr. Ramakant Singh gave the vote of thanks. The farmers also discussed their day to day farming related difficulties in the meeting. Project Director, Dr. Nagendra Kumar Singh, Dr. T. Ram, Dr. Sanjay Singh, and Dr. Mahesh Rao also along with Neford staff like Mr. S.K. Mishra, Mr. U.K. Mishra visited the seed production plot of DDR Dhan 50 from different farmers field at Mau, Ballia, Ghazipur and Kushinagar district. Following are some photographs of interaction with farmers:











कृषि उन्नीती मेला, 2018 आईएआरआई, नई दिल्ली 16-03-2018 से 1 9-03-2018











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वाराणसी, २७ अप्रैल २०१८ दैनिक जागरण धान की नई प्रजातियों से लाभान्वित होंगे किसान

जागरण संवाददाता, मऊ : भारतीय कृषि अनुसंधान परिषद पूसा नई दिल्ली के राष्ट्रीय पादप जैय प्रौद्योगिकी संस्थान और नेफोर्ड के संयुक्त तत्वावधान में गुरुवार की अमरवाणी विद्यालय ताजोपुर में किसान गोष्ठी आयोजित की गई। इसमें किसानों को धान की प्रजाति डीआरआर 50 के बीज का निशुल्क वितरण किया गया।

मुख्य अतिथि राष्ट्रीय पादप जैव प्रौद्योगिकी अनुसंधान केंद्र गई दिल्ली के परियोजना निदेशक डा. नागेंद्र कुमार सिंह और विशिष्ट अतिथि भारतीय बीज विज्ञान संस्थान कुशमीर के प्रभारी निदेशक डा. रमाकांत सिंह रहे। विशिष्ट अतिथि भारतीय बीज विज्ञान संस्थान कुशमीर के प्रभारी निदेशक डा. रमाकांत सिंह रहे। विशिष्ट अतिथि भारतीय बीज विज्ञान संस्थान कुशमीर के प्रभारी विशेषक डा. रमाकांत सिंह रहे। विशिष्ट अतिथि भारतीय बीज विज्ञान संस्थान कुशमीर के प्रभारी निदेशक डा. दिनेश कुमार अग्रवाल बताया कि इस तरह की प्रजातियां बड़ी दुर्लभ होती है



कृषि गोष्ठी को संबोधित करते वैज्ञानिक डा . डीके अग्रवाल 🌳 जागरण

जिम्मेदारी हम सभी की हैं। वरिष्ठ वैज्ञानिक डा. रमाकांत सिंह ने किसानों को अधिक उत्पादन के लिए संतुल्ल उर्वरक के प्रयोग करने की

किसान अपने खेत की मिटी की जांच किसीन अपने खेत का मिट्टा का जाच अवश्य कराएं, साथ ही खेत से मिट्टी के नमुने निकालने के लिए किसानों को प्रशिक्षित भी किया। डा. मनीष राव ने किसानों को धान के बीज उपचारित करने का प्रशिक्षण दिया।

मारतीय कृषि अनुसंधान परिषद पूसा के राष्ट्रीय पादप जैव प्रौद्योगिकी संस्थान और नेफोर्ड की ओर से हुई किसान गोष्ठी

डीआरआर- ५० प्रजाति में सूखा और बाढ़ को सहने की क्षमत

मऊ निज संवाददाता

भारतीय कृषि अनुसंधान परिषद पूसा के राष्ट्रीय पादप जैव प्रौद्योगिकी संस्थान और नेफोर्ड के संयुक्त तत्वावधान में गुरुवार को अमर वाणी विद्यालय ताजोपुर में किसान गेष्ठी और किसानों को धान की प्रजाति डीआरआर- 50 के बीज का निशुल्क वितरण किया गया।

मुख्य अतिथि अनुसंधान केंद्र नई दिल्ली के परियोजना निदेशक डा. नागेंद्र कुमार सिंह ने कहा कि तवायु परिवर्तन और सुखा को जन में रखते हुए संस्थान के द्वारा धान की एक ऐसी प्रजाति डीआरआर- 50 विकसित की गई



अमरवाणी ताजोपुर विद्यालय में किसान संगोष्टी कार्यक्रम को सम्बोधित करते डॉ. डीके अग्रवाल। • हिन्दुस्तान

है। जिसमें सखा और बाद सहने की क्षमता विकसित हैं। इस प्रजाति को किसान लगाकर किसी भी परिस्थिति में अच्छा उत्पादन ले सकता है। वर्तमान समय में मौसम का अनुमान

लगाना मुश्किल हो गया हैं। ऐसे में यह प्रजाति किसानों के लिए वरदान साबित होगी । विशिष्ट अतिथि भारतीय बीज विज्ञान संस्थान कुशमीर के प्रभारी निदेशक डा. दिनेश कुमार अग्रवाल बताया कि इस तरह की प्रजातिया बड़ी दुर्लभ होती हैं। जिसकी संवर्धन और संरक्षण की जिम्मेदारी हम सभी की हैं। हम पूरा प्रयास करेंगे की इस तरह की प्रजातियों का बड़े पैमाने पर बीज उत्पादन कर हमं अधिक से अधिक किसानों को इस प्रजाति का लाभ दिला सके।

वरिष्ठ वैज्ञानिक डा. रमाकांत सिंह ने किसानों को अधिक उत्पादन के लिए संतुलित उर्वरक के प्रयोग

करने की सलाह दी। साथ ही किसानो से अपील किया किसान अपने खेत की मिट्टी की जांच अवरण कराए साथ ही खेत से मिट्टी के नमुने निकालने के लिए किसाना को प्रशिक्षित किया। डा. मनीष राव प्रभारी डा. शैलेंद्र सिंह शाहजुहाँ को प्रशिक्षित किया । डा. मनीष राव ने किसानों को धान की बीज उपचारित करने के लिए दस ग्राम कारबेनडाजिम को दस लीटर पानी में घोल बनाकर दस किलो धान के बीज को चौबीस घंटे डुबोकर छोड दे तत्पश्चात उपचारित बीज को निकाल कर जूट के बैग बीज अंकुरित होने के लिए छायेदार जगह रखे। कार्यक्रम के दौरान संजय पांडे, लालबहादुर सिंह, भोलानाथ यादव, हरिकेश सिंह, अनिल सिंह,

अमरजीत सिंह, ब<mark>ब्बन सिंह सहि</mark> बारह किसानी को प्रशस्ति पत्र अ अंगवशत्रम देकर कृषक मित्र स के प्रभारी डा.एलबी सिंह, नेफो सहयोगी वरिष्ठ वैज्ञानिक डा. रमाकांत सिंह अमर वाणी विद्या के प्रबंधक फादर जुलियन, नेप के प्रभारी संतोष मिश्रा, विनीत त्रिपाठी, आस्तिक मिश्र, विजय शंकर पांडे, चंद्रभान सिंह, स्मान तिवारी, सिंह, आगम राम, श्रीरा यादव, डा. रमाकांत सिंह, चंद्रिक राम, रामाश्रय सिंह सहित सैकड़ किसान उपस्थित रहे।

भा.कृ.अनु.परिषद ने कृषक मित्रों को किया सम्मानित

जहांगीरपुर, सुरेश दिमानिया (पंजाब कसरी): विगत दिवस रविवार को ग्राम नेकपुर में भारतीय कृषि अनुसंधान परिषद के राष्ट्रीय पादप जैव प्रौद्योगिकी अनुसंधान केन्द्र पूसा (दिल्ली) के तत्वाधान में "मेरा गौव-मेरा गौरव" कार्यक्रम के अन्तर्गत आयोजित किसान दिवस पर उत्कृष्ट कार्य एवं सहयोग के लिये दस कृपक मित्रों को प्रमाण पत्र एवं अंगवस्त्र प्रदान कर सम्मानित किया गया तथा लगभग सौ किसानों को नि: पुल्क सरसों के बीज की किट दी गई। इस अवसर पर देव के महान कृषि वैज्ञानिक एवं परियोजना निदेषक डा० नागेन्द्र कुमार सिंह ने अपने





कार्यक्रम को संबोधित करते वैज्ञानिक डॉ नागेंद्र कुमार सिंह (दाएं) उपस्थित किसान व वैज्ञानिक।(छायाःसुरेश दिमानियाः)

सम्बोधन में कहा कि बीजों की नई-नई प्रजातियों की खोज के लिये किसानों की फीड बैंक बहुत जरूरी है। जिससे किसानों की जरूरतों के अनुरूप उपयोगी बीज प्रजाति विकसित की जा सके। एक नई प्रजाति को विकसित होने में लगभग साढ़े सात वर्ष का समय लगता है। इस कार्यक्रम में डी डी जी डा. ए.के. सिंह (प्रसार) किसी कारणवय नहीं पहुँच सके, जिनका अभाव उपस्थित किसानों एवं आयोजकों को अनुभव हुआ प्रधान वैज्ञानिक एवं नोडल अधिकारी डा. संजय सिंह ने भंच संचालन के साध ही साथ किसानों को नई-नई बीज की प्रजातियों को उपयोग कर अधिकतम उत्पादन प्राप्त करने के टिप्स दिये। किसान दिवस कार्यक्रम को वैशानिक डा. ए.के.च सिंह, डा. श्रीमति कीर एवं डा. मर्थकराम के अलावा बीज उत्पादन क्षेत्र के प्रमुख किसान प्रीतम सिंह, जैविक खेती के विषेषज्ञ कृषक भारतभूवण त्यांगी तथा कुषलपाल सिंह ने सम्बोधित किया। भारतीय कृषि अनुसंधान केन्द्र (पूसा) दिल्ली के लगभग समस्त स्टाफ ने कार्यक्रम में भागीदारी की।

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डीआरआर-50' बाढ़, सूखा सहने में सक्षम

धान के खेतों में पहुंचा कृषि वैज्ञानिकों का दल, किसानों से साझा किए अनुभव



संविधान सम्मान समारोह का आयोजन

लंडने की आवश्यकता'

जनजागरण यात्रा पर पहुंचे शिक्षक विधायक का किया स्वागत



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