

National Seminar
On
Sustainable Potato Production
Issues and strategies

September 5, 2017



at
BIDHAN CHANDRA KRISHI VISWAVIDYALAYA
Kalyani, West Bengal

Organised by

ICAR-Central Potato Research Institute, Shimla
Bidhan Chandra Krishi Viswavidyalaya, Kalyani
Indian Potato Association, Shimla



Potato is the 3rd most important crop in the world after rice and wheat in term of human consumption and is an important part of the diet of nearly 1.5 billion people around the world. India is the second largest producer after China. It produces more food and edible protein per unit area and time as compared to any other major food crop, and as such it plays an important role in food and nutritional security of the world. Based on its adaptation capabilities from temperate to the sub-tropical world, in a wide range of agro-climates and its ability to produce highest nutrition and dry matter on per unit area and time basis, among major food crops, the United Nations had officially declared 2008 as the *International Year of the Potato* to address future global food security and poverty alleviation, calling potato a "hidden treasure".

The growth of potato in India has been phenomenal during last two decades. Although the area has increased by 51%, the production of potato has seen a jump of over 90%, which now stands to approx. 50 million tons. With accelerated economic development of the country, potato consumption is also increasing which is expected to continue for years to come. This has created demand for processed, ready-to-eat convenience food, which has led to diversification in potato consumption and utilization. To meet the growing demand, India needs to produce 70 million tons of potato from an area of 2.6 million ha by 2050 with a productivity of 35 t/ha.

Rising cost of cultivation has adversely impacted the profitability, and farming no longer remains an attractive option. Stagnation of growth rate in productivity, declining land resources, and biotic and abiotic stresses in the era of changing climate are posing a serious threat for sustaining the productivity of this crop. Given the limited opportunities and high costs associated with expanding agricultural land. To meet the future challenges and utilize the opportunities that lies ahead, further strengthening of research and development network for increasing productivity would be required. There is going to be a greater opportunity in seed sector. Participation of private sector will be inevitable to cater to the huge demand of certified seed and processing industry. It is timely to review the available technologies and their integration for sustainable potato production. Such a review and introspection will pave a way to understand the future challenges and innovations in crop production to address the challenges in order to cater to the current and future needs of sustainable crop production. Thus, this seminar will focus on the following issues:

Themes:

- Identifying suitable high yielding ware and processing varieties for different potato growing zones
- Innovative crop production technologies for doubling farmers' income
- Adaptation strategies to climate change and tropicalisation of potato
- Enhancing total factor productivity
- Delineating areas with common agro-ecologies and varieties suitable for them
- SWOT analysis of potential technologies
- Biotechnological approaches and challenges
- Technologies to produce healthy potato and reduce post harvest losses

Call for Abstracts

Abstracts are invited on all aspects of original work in potato. The abstracts should contain a title, names of authors, their affiliation and a brief summary of results (not exceeding 250 words) latest by **July 31, 2017** through email to vkdua65@yahoo.co.in. The contributed papers will be considered for poster presentation in the poster sessions.

Guidelines for preparation of posters

Posters must be readable from a distance of at least 2 meters. Poster board size will be 60 cm X 90 cm. Poster should include title, authors, address, e-mail of presenting author, materials and methods, results and conclusion in brief. Emphasis should be given to graphs, diagrams, photographs.

Lead papers and contributed papers will be published in Souvenir.

Annual General Body Meeting

AGBM of the IPA will also be held at 17:30 hrs on September 5, 2017 wherein the Presidential Address will also be delivered. Resolutions, if any, may be submitted to the Secretary, IPA latest by August 16, 2017.

General Information

Venue: Farmers' Academy and Convention Centre (FACC), Bidhan Chandra Krishi Viswavidyalaya (BCKV), Kalyani – 741 235

Bidhan Chandra Krishi Viswavidyalaya, also known as BCKV, aims to provide higher education in theoretical and technical fields of Agriculture, Horticulture and Agricultural Engineering. It is situated 50 km north to Kolkata airport and Sealdah Station and about 60 km from Howrah Station.

The weather at Kalyani during the month of September will be little cool with mean temperature ranging from 26 - 28° C.



Transport and Accommodation

- Accommodation for the participants will be arranged in guest house and hotels on payment basis. The average rate for hotels starts from Rs 2000/day. For transport and accommodation, contact Dr. Anirban Sarkar, Asstt. Prof., AICRP on Potato ,BCKV, Kalyani,
- Mob. No. 09474434467 / 09051948513, email: asarkar1920@gmail.com

Registration

All participants are requested to register for the seminar by paying a Registration Fee as given below in the form of Demand Draft favouring “Indian Potato Association” payable at “Shimla” latest by July 31, 2017.

IPA Members	Rs. 3,000/-
Non-members	Rs. 4,000/-
Students/RA/SRF	Rs. 1,500/-

About the Organisers

The Seminar is being jointly organised by the ICAR-Central Potato Research Institute, BCKV, Kalyani and the Indian Potato Association, Shimla. ICAR- Central Potato Research Institute is actively involved in research and development in potato crop. The major thrust areas of the institute are potato improvement, plant protection, potato processing, post-harvest technology, and agronomical research including cropping systems, nutrient and water management and seed production through conventional and hi-tech system. The BCKV was established in 1974 and is located in Mahannagar, Nadia, West Bengal and has completed four decades of its existence as the pioneer institute of Agricultural Education, Research and Extension keeping in view the requirements of the state. Indian Potato Association with headquarter at Shimla is actively involved in advancing the cause of potato research and development. Potato Journal is the official organ of the Association which brings out the new findings and research related to potato crop. The present strength of the association is 1,000 which includes life and annual members, both from India and abroad. The association has so far organized two international conferences and several national seminars/symposia/panel discussions *etc* to provide platform to all stakeholders for setting the research priorities.



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Chief Patron : Dr Trilochan Mahapatra

Secretary (DARE) & DG, ICAR

Patron : Dr AK Singh

DDG (Hort. Science), ICAR

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ICAR and Former Vice Chancellor, Pantnagar
University

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Name (In Block Letters) _____

Designation: _____

Address: _____

Phone No.: _____

Mobile No.: _____

Email: _____

Title of the paper: _____

Registration fee particulars:

Amount (Rs.) _____

Demand Draft No.: _____

Date of issue: _____

Issuing bank/branch: _____

Payable at: Shimla

Please mail this form along with D/D to:

Dr. VK Dua

Organising Secretary

Division of Crop Production

ICAR-Central Potato Research Institute

SHIMLA – 171 001 (HP)

Please also email duly filled in registration form to vkdua65@yahoo.co.in

Address for Correspondence

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Chairman and Director

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