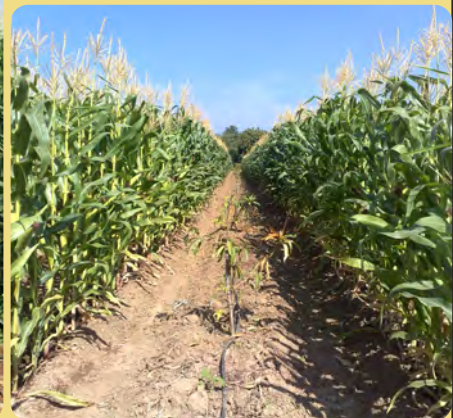


# National Conference on Perspective of Challenges and Options in Maize Production and Utilization

3-4 March, 2017, DRPCAUI, Pusa, Samastipur, Bihar



## Organised by

Dr. Rajendra Prasad Central Agriculture University  
(DRPCAUI) Pusa, Samastipur, Bihar &  
Confederation of Horticulture Associations of India  
(CHAI) New Delhi



Confederation of Horticulture  
Associations of India

## In collaboration with

Trust for Advancement of Agricultural Sciences (TAAS), New Delhi  
Jain Irrigation Systems Ltd. (LISL), Jalgaon &  
Lt. Amit Singh Memorial (ASM) Foundation, New Delhi.



# NATIONAL CONFERENCE ON Perspective of Challenges and Options in Maize Production and Utilization

3-4, March, 2017, DRPCAU, Pusa, Samastipur, Bihar

Agriculture is a backbone of Indian economy, as it provides food and nutritional security besides raw material for industry and livelihood to half of the population. Although, agriculture contributes 13.7 percent to GDP but, agribusiness contributes more than 28.8 percent and is emerging as focused area for improving farmers income. Among cereals, maize in India offers immense opportunities to address food, feed, fodder, industrial raw material, nutrition and environmental security. The area, production and productivity have increased significantly in last three decades. The annual production growth rate, in maize, is much higher, owing to high yields, which had been much more than other major cereals. The increase in acreage is a result of profitability, varietal adaptability to diverse agro-climate conditions and its adoption as winter and Rabi crop in rice belt of India. The increase in production and productivity is attributed to the introduction of single cross hybrids and improved agronomy coupled with industrial demand. It is likely that maize demand will double in 2030. However, access to improved seeds, critical inputs, new knowledge and increasing abiotic and biotic stresses are the constraints. As agribusiness, maize processing industries economies continue to grow and the opportunities for use of maize have increased significantly. In the development of maize RAU Pusa has played a significant role. The development of maize in Bihar, when seen by Novel Laureate Dr. N.E. Borlaug in 2001, he overwhelmingly commented that The last three decades saw the revolution in rice and wheat, whereas the next few decades would be known as maize era. This is now true as maize revolution is seen across the country through technological changes, from conventional seed to hybrid seeds, flat bed planting to raised bed planting, flood irrigation to micro irrigation, conventional drying to moisture regulated drying, mono cropping to diversified cropping (maize, corn and baby corn) and from conventional to mechanization. No where this revolution is more visible than in Bihar, where the yields have crossed 10t/ha in many of the farmers' fields. To push the maize production to a higher level, we need to address the issues in different components of production system.

Therefore, it is necessary to take advantage of existing opportunities for productivity enhancement by harnessing innovations in genetic improvement, quality seeds, agronomic practices, micro irrigation, conservation agriculture, climate smart agriculture practices, crop diversification and entrepreneurial/technical skills. Technological changes which have modernized the maize production and value chain management have to be discussed, and the farmers have to be empowered with new knowledge, so that they can enhance their profits and reduce the risks. Accordingly, in this background, **Dr. Rajendra Prasad Central Agriculture University** (DRPCAU), Pusa Samastipur, Bihar, and **Confederation of Horticulture Associations of India** (CHAI), New Delhi, are jointly organizing National Conference on Perspective of Challenges and Options in Maize Production and Utilisation, from 3-4, March, 2017, at DRPCAU, Pusa, Samastipur. The conference will have the collaboration of the Trust for Advancement in Agricultural Sciences (TAAS), **Jain Irrigation Systems Limited** (JISL, Jalgaon) and the **ASM Foundation**, New Delhi.

The conference shall deliberate on the issues in the thematic areas across 6 technical sessions besides introductory and valedictory sessions. Each session will have panel of experts representing scientists, farmers, policy planners, industry and field functionaries. Subject in each session will be introduced by identified experts and discussion will be moderated to arrive at logical conclusion. Panelist will be given 5-10 minutes to express their views orally or with power point presentations. To encourage the participants, the opinion or innovations of an individual will be presented in the form of poster. The conference is expected to be participated by experts to deliver expert advice, and a large number of farmers. The organizers have immense pleasure in inviting you to this National Conference, to provide your valuable insights and exchange of knowledge for developing strategic recommendations and a way forward. Once again, we solicit your kind cooperation in addressing emerging issues in the Maize Production and Utilization for enhancing farmers income.

## Dr. H. P. Singh

Chairman, CHAI, New Delhi &  
Chief Advisor of National Conference

## Dr. R. C. Srivastava

Chairman, Organising Committee  
Chief Advisor of National Conference

### Theme of the National Workshop

- Analysis of past trend in technological changes and innovations in production and value chain management of maize production and envisioning future needs.
- Envisioning the challenges and tasks in achieving the quality production and utilization of maize for enhanced income to the farmers.
- Understanding smart management system for effective utilization of resources aimed at improving factor productivity.
- Smart inputs management including nutrients and water for its productive use.
- Value chain management for increasing farm income and employment generation.

### Expected Outcome

- Understanding of trend, gaps and future challenges in maize production and utilization to strategically address the issues for production and value chain management.
- Envisioning the technological changes and innovations, which can succeed in achieving the goals ensuring enhanced income to the farmers.
- Identification of technologies and training needs for addressing the challenges to improve the productivity of resources for improving profitability.
- Improved understanding of value chain in maize for developing road map for Maize developed in Bihar.



## Technical Sessions

The conference shall deliberate on the issues in the thematic areas across six technical sessions.

- New paradigms in maize production and value chain management.
- Maize improvement utilizing modern tools and techniques.
- New paradigm in production system management for improved profitability including Fertigation & inter cropping.
- Diagnostics for pest and disease management- a strategies for smart protection systems.
- Industrial utilization, value chain management, branding and marketing for better farmers income.
- Analysis of maize development in Bihar- a way forward.

Dates to Remember	Receipt of abstract	20th January, 2017
	Receipt of Registration	25th February, 2017
	National Conference	3rd March, 2017

## Call for papers

The organizing Committee of the conference cordially invites papers on the above topics in the thematic areas for consideration in oral/ poster presentations under respective technical sessions during the conference. Abstract of paper for presentation must be submitted not exceeding 300 words, cleanly typed on time new roman with 12 size font, mailed to maizeconference17@gmail.com before the date of closing.

## Lead Papers/Keynote lecture

Eminent researchers of international repute will be invited to deliver keynote lecture on topics related to different technical sessions of the conference and the same will be published. The organizers will separately request the experts in the field for their presentation.

## Oral Papar

Among the abstracts accepted, 3-4 selected papers will be considered for oral presentations under each of the technical sessions. Each oral presentation would be allotted 7-10 minutes for presentation.

## Poster Paper

The other contributed papers will be selected for poster sessions organized concurrent to the concerned sessions at specified time. The scientists will bring their poster and organizer will provide panels for their presentation.

## Best Paper/Poster Award

The best three oral/poster presentations will be selected by the jury of eminent scientists and will be awarded with plaque of honour and certificate by the organizers.

## Registration

Registration can be done by sending DD drawn in favour of Confederation of Horticulture Associations of India, New Delhi. Alternatively, it can be sent by NEFT, A/c No.169001000009616, IFSC –IOBA001690, Indian Overseas Bank, Sector-10, Dwarka, New Delhi. Registration Fees is Rs 3000 for Scientists, Rs. 5000 for entrepreneurs and Rs 1000 for students and farmers.

## Publication of Souvenir

Gyan Manthan (Souvenir) will be published to commemorate this important conference, which will contain articles from the experts of international repute, in the field of maize production and utilization. The souvenir will also have space for advertising the profile of the companies. The proposed rates of advertisement in Gyan Manthan are Rs. 50000/- for back cover, Rs. 40000/- for inside back and front back cover, Rs. 30000/- is for full page and 20000/- for half page (inside). Interested entrepreneurs/companies may request for reserving the space by paying prescribed amount in the

form of DD drawn in favour of Confederation of Horticulture Associations of India, New Delhi. Alternatively, it can be sent by NEFT, A/c No.169001000009616, IFSC –IOBA001690, Indian Overseas Bank, Sector-10, Dwarka, New Delhi.

## Sponsorship

A provision for different category of sponsorship is available. Platinum-Rs 5 lakh, Gold- Rs 3 lakh, Silver - Rs 2 lakh and Bronze- Rs 1 lakh. The Platinum sponsoror shall be given 5 registrations free beside their logo on back drop and in all the publication. Gold sponsoror shall be given 3 registrations free beside their logo on back drop and in all the publications. Silver sponsoror shall be given 2 registrations free beside their logo on back drop. Bronze sponsoror shall be given 1 registration free beside their logo on back drop. Sponsorship can be done by sending DD drawn in favour of Confederation of Horticulture Associations of India, New Delhi. Alternatively, it can be sent by NEFT, A/c No.169001000009616, IFSC –IOBA001690, Indian Overseas Bank, Sector-10, Dwarka, New Delhi.

## Accommodation

Accommodation shall be provided in guest houses. The other delegates have to stay in hotels, the tariff for hotel ranges between Rs.2000-5000. Delegates may write for hotel bookings or guest house bookings at an early date. Please confirm your participation and itinerary by sending e-mail to confedhorti@gmail.com or maizeconference17@gmail.com. This will facilitate the reservation of the accommodation as desired, by booking in advance. This facility will be provided to registered delegates only.

## About the Place

Pusa is located 15 km west of Samastipur and is 25 km east of the Muzaffarpur. Pusa is known as a birth place of agricultural research and education, founded by Lord Curzon on the 1st of April, 1905. The Pusa is named after Mr. Henry Phipps of USA, who donated for the start of Imperial Agriculture Research Institute, now known as Indian Agriculture Research Institute at Delhi, shifted in 1934. The climate of Pusa during March is pleasant and is called Spring Season. The mean maximum and minimum temperature are 30°C and 20°C, respectively. Pusa is connected by air to Patna., which is 100 Km from Pusa. Nearest railway stations are Samastipur and Muzaffarpur.

## ABOUT THE ORGANISERS

**Dr. Rajendra Prasad Central Agriculture University (DRPCA),** started in October, 2016 after upgrading Rajendra Agriculture University(RAU). This university was established in 1970, for whole of Bihar, which is mother University of both Birsa Agricultural University, Ranchi and Bihar Agricultural University, Sabour. The university has contributed immensely for the Agricultural technologies, education and extension. The university has provided a leadership in Maize improvement in the country. The university has 5 faculties , 4 regional stations and 12 KVKs. The students of this university are in much higher position across the country and abroad.



**Confederation of Horticulture Associations of INDIA (CHAI),** an ISO 9001:2008 certified, non-profit organization



is a forum of stakeholders in horticulture/ agriculture to work together in mission mode with set goals and objectives. The aims of CHAI are the furtherance of horticulture/ agriculture research and development, through; Conduct and support in organizing of National/International conference, workshops, Publication of journal- International Journal of Innovative Horticulture. To bring the competitiveness the CHAI has instituted various awards to motivate the innovators for the excellence in research, education, extension, teaching and farming.

## ABOUT THE COLLABORATORS

### The Trust for Advancement of Agricultural Sciences (TAAS)

was established on 17 October 2002 for harnessing the agricultural sciences for the welfare of the people through scientific interactions and partnerships. The TAAS acts as think tank on key policy issues relating to agricultural research for development (ARD). The main activities include organizing foundation day lectures, special lectures, brain storming sessions/symposia/seminars/workshops on important themes, developing strategy papers on key policy matters, promoting.

**ASM Foundation**, an ISO 9001:2008 certified organisation is committed to economic development and knowledge empowerment of people through various activities. It has head quarter at New Delhi, India. The ASM Foundation has successfully organised Global and National Conference in part and is known nationally and internationally.

The Foundation, besides organizing the conference, exhibitions, and farmer's friendly activities is committed to education health care and economic development. The Foundation also confers awards in various categories to recognize the contribution of individuals/ organization.



**Jain Irrigation Systems Ltd.** known as JISL, India, is an multinational organization with global presence in 120 countries, provides solution for efficient management of water, protected cultivation, quality planting material, farmers access to market and processing, solar energy, waste utilization, and education. The company is one of the largest agro-based companies in the world and has many innovations to its credit. The company in its recognition has been conferred with highest national award and many International recognition.



## CONFERENCE ORGANISERS

<b>Chief Patron</b>	Dr. R. S. Paroda, Former Secretary DARE, DG and ICAR, & Chairman, TAAS, New Delhi
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<b>Chairman</b>	Dr. H. P. Singh, Former DDG Horticulture, ICAR & Chairman, CHAI, New Delhi, and Chairman, National Council on Agriculture of ASSOCHAM.
<b>Members</b>	Dr. J. S. Sandhu, DDG (Crops), ICAR, New Delhi
	Dr. S. K. Malhotra, Commissioner of Agriculture GoI, New Delhi.
	Dr. R. C. Srivatava, Vice Chancellor, DR. RPCAU, Pusa, Bihar
	Dr. A. K. Singh, Vice Chancellor, BAU, Sabour, Bhagalpur
	Dr. N. N. Singh, Former Vice-Chancellor, BAU, Ranchi and Secretary, TAAS, New Delhi.
	Dr. Anil B. Jain, Vice Chairman and MD, Jain Irrigation Systems Ltd., Jalgaon.
	Smt. Bimala Singh, MD, ASM Foundation, New Delhi
	Dr. H S Gupta, Former Director, IARI and DG, BISA.
<b>Convener</b>	Dr. Vishal Nath, Director, NRC for Litchi, Muzaffarpur
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	Dr. S.P. Singh, Dean, FBS&H, DRPCAU, Pusa
	Dr. K.M. Singh, Director, Extension Education, DRPCAU, Pusa
	Dr. K.N. Pathak, Associate Dean-cum-Principal, TCA, Dholi
	Dr. S.C. Rai, Associate Dean-cum-Principal, COF, Dholi
	Dr. Ravi Nandan, Registrar, DRPCAU, Pusa
	Dr. Meera Singh, Dean, FoHS., DRPCAU, Pusa
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Sh. Sudhanshu Kumar, Progressive Grower, Samastipur	
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<b>Organizing Secretary Joint Secretary</b>	Dr. Usha Singh, Chief Scientist, FoHS, DRPCAU, Pusa Dr. Rajeev Kr. Singh, Guest Faculty, Agri-Business Management, DRPCAU, Pusa

## CORRESPONDING ADDRESS

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