

About the institute

The ICAR- Indian Institute of Maize Research (ICAR-IIMR) is a premier and nodal national institute under the Indian Council of Agricultural Research, New Delhi. IIMR is mandated to plan and execute the research programmes to augment the production and productivity of maize in India. It is an ISO 9001:2015 compliant institute. IIMR spearhead and coordinate research on maize at all India level at 32 centers in almost all major maize producing states of the country. The headquarter of ICAR-IIMR was shifted from New Delhi to Ludhiana in 2016. The off-season nursery, Winter Nursery Centre (WNC) was established at Hyderabad in 1962 to accelerate the maize improvement programme of north Indian maize research centres where winter temperature is not conducive for maize cultivation. Realizing the growing importance of winter (rabi) maize in eastern India and to cater the need of seed production a Regional Maize Research and Seed Production Centre (RMRSPC) is functioning at Kushmahaut, Begusarai, Bihar in 1997.

About training programme

The maize production in the country is increasing @ 4% annual growth rate (AGR) and touched 38.0 million tonnes from a sizeable area of ~10.3 m ha. Almost 50% of the total maize is being utilized by poultry sector and rest for the different purposes. Looking to the escalating prices of the crude oil, Government of India launched a program on Ethanol Blended Petrol (EBP) in the year 2003. Currently, about 11.7% of the blending target are met from sugarcane and broken grains specially rice. However, to achieve 20% blending target, we need nearly 14 billion liters of bioethanol by 2025-26. In this regard, special emphasis on maize as feed-stock is laid by our government. The Government scheme of establishment of grain/dual distilleries in Pan India requires enhanced maize production in the catchment areas towards sustainable bioethanol production. There is a significant role of the best management practices and their targeting in the various maize growing ecology of the country. Thus, IIMR have planned a training programme for the stakeholders particularly the ethanol industries and their collaborators. The training module has lectures from research organization/seed industry and hands on experience on the best management practices in maize.



The training will be given on the following key areas:

- ⇒ Maize as ethanol feedstock: Challenges and opportunities
- ⇒ Maize varieties for different ecologies and seasons
- ⇒ Hybrid maize seed production techniques
- ⇒ Scientific maize cultivation practices
- ⇒ Mechanized maize cultivation
- ⇒ Sustainable weed management
- ⇒ Nutrient deficiency disorder and their management
- ⇒ Insect-pest (fall armyworm, stem borer, shoot fly) and their management
- ⇒ Diseases and their management
- ⇒ Hands on training on maize sowing using bed planter/roller planter/jab planter/ pneumatic planter
- ⇒ Hands on training on insect-pest management
- ⇒ Aflatoxin management for quality maize production
- ⇒ Storage pest and their management
- ⇒ Processing, grading and value addition
- ⇒ Maize DDGS

Last date for registration: 25 November 2023, 5:00 pm

Course fee: Rs. 10000/- per participant

The fee includes arrangements except for the stay charges. Accommodation is also available at ICAR/PAU guest house on nominal charges and can be availed by the participant on first come first serve basis.

To apply, register here:

Google form link for registration: <https://forms.gle/jiyKeyn368PG8KgA7>

Account details:

Bank Name- State Bank of India
Account holder's name- Director, ICAR-IIMR, Ludhiana
Account number- 36974056095
IFSC Code- SBIN0001482

For more information contact to:

Course Director: Dr. HS Jat, Director, ICAR-IIMR, Ludhiana
Email: pdmaize@gmail.com

Course coordinators: Drs. Romen Sharma, SL Jat, Bhupender Kumar, DM Mahala
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Master Training Programme

on

Best management practices in maize for profitable bioethanol production



Venue: ICAR-IIMR, Ludhiana

29th November-1st December, 2023

Organised by

**ICAR-Indian Institute of Maize Research,
Ludhiana**