



# ICAR-Indian Institute of Maize Reserch (IIMR) Ludhiana, Punjab

## 21-Day Training Programme

21-DAYS  
Maize for  
knowledge  
and growth

### Maize in Indian Economy: From Production to Consumption

#### ABOUT THE PROGRAMME

The 21-Day Online Evening Training Programme deigned and conceptualized at a time when maize is rising in importance as a strategic crop linking food, feed, industrial starch, ethanol, etc. Despite its growing role, the maize value chain in India facing challenges such as yield gaps in rainfed areas, post-harvest losses, limited mechanization, and the need for stronger industry-policy integration. IIMR, as a premier national institute under ICAR, has the strength of cutting-edge research in maize hybrid development for industrial uses alongwith sustainable production practices, robust collaborations with seed, feed, poultry, starch, ethanol, and food processing industries, and active engagement in shaping national policy.

This training programme is designed by IIMR to fill these critical gaps by equipping scientists, entrepreneurs, working professional, state government officials, policy planners and industry personnels with holistic knowledge from production to end use of maize involving processing and value addition for strengthening the maize value chain and building a maize-based economy for a prosperous Bharat aligned with Viksit Bharat 2047.

#### TRAINNG HIGHLIGHTS

**Genetics & Cultivation:** Focus on modern breeding, biofortification, seed systems, soil health, water management, and pest control. The maize ecosystem development from research to production will be discussed by public and private sector researchers; success stories will be shared.

**Mechanization & Post-Harvest:** The program emphasizes mechanized cultivation, residue management, silage production, storage, and drying technologies. The experts from the public and private sectors will provide information about technologies available in India and a futuristic vision.

**Industrial Utilization:** Later lectures highlight maize's role in feed, poultry, starch, ethanol, and food processing industries. Industry experts will provide these lectures, offering insights into business opportunities in maize.

**Entrepreneurship & Value Addition:** The concluding sessions encourage agriprenneurship through specialty maize (baby corn, sweet corn, popcorn) and business models, linking farmers, startups, and industry. Successful business leaders from MSMEs will be included as trainers.

**24 June-14 July 2026**  
 **MODE: ONLINE**  
 **TIME: 5:00 PM-6:30 PM**



**Scan to join  
by 22 June, 5 pm**  
(limited slots, first-come,  
first-served basis)

#### WHO CAN PARTICIPATE?

- Feed, bioethanol, starch & food processing industries professionals
- Researchers (Scientist/Professor/SMS)
- FPC, FPOs, SHGs officials
- Government officials



## Training Schedule

### ■ DAYS 1-7: FOUNDATIONS OF MAIZE RESEARCH & PRODUCTION

- DAY 1 - INAUGURAL SESSION: ROLE OF MAIZE IN INDIAN ECONOMY & VIKSIT BHARAT 2047
- DAY 2 - IMPROVING GENETIC GAINS THROUGH MODERN BREEDING APPROACHES
- DAY 3 - SUSTAINABLE CULTIVAR DEVELOPMENT FOR INDUSTRIAL APPLICATIONS
- DAY 4 - BIOFORTIFIED MAIZE FOR NUTRITIONAL SECURITY
- DAY 5 - STRENGTHENING HYBRID SEED PRODUCTION SYSTEMS
- DAY 6 - BRIDGING YIELD GAPS IN RAINFED MAIZE
- DAY 7 - SOIL HEALTH AND NUTRIENT MANAGEMENT IN MAIZE

### 🌱 DAYS 8-15: RESOURCE MANAGEMENT & VALUE CHAIN EFFICIENCY

- DAY 8 - EFFICIENT WATER MANAGEMENT IN MAIZE
- DAY 9 - INTEGRATED PEST, DISEASE AND WEED MANAGEMENT
- DAY 10 - CROP RESIDUE MANAGEMENT AND CONSERVATION AGRICULTURE
- DAY 11 - MAIZE SILAGE: A BOON FOR LIVESTOCK AND DAIRY SECTOR
- DAY 12 - MECHANIZED MAIZE CULTIVATION FOR HIGHER EFFICIENCY
- DAY 13 - STORAGE MANAGEMENT AND POST-HARVEST LOSS REDUCTION
- DAY 14 - MAIZE DRYING TECHNOLOGIES AND VALUE CHAIN EFFICIENCY
- DAY 15 - MAIZE FOR FEED INDUSTRY: DEMAND, QUALITY AND ECONOMICS

### ⚙️ DAYS 16-21: INDUSTRIAL UTILIZATION & ENTREPRENEURSHIP

- DAY 16 - ROLE OF MAIZE IN THE POULTRY INDUSTRY
- DAY 17 - ETHANOL ECONOMY: POLICY, MARKETS AND OPPORTUNITIES
- DAY 18 - DUAL FEEDSTOCK-BASED ETHANOL INDUSTRY: OPPORTUNITIES AND CHALLENGES
- DAY 19 - RESERVE DAY
- DAY 20 - VALUE ADDITION AND FOOD PROCESSING IN MAIZE
- DAY 21 - SPECIALTY MAIZE AND ENTREPRENEURSHIP DEVELOPMENT