



## **Training Programme on**

### **Conservation agriculture for enhancing resource use efficiency and farm productivity (March 8-28, 2018)**

Sponsored by  
INDIAN COUNCIL OF  
AGRICULTURAL RESEARCH,  
NEW DELHI

#### **Course Director:**

Dr Vinod Kumar Singh, Head

#### **Course Coordinators**

Dr SS Rathore, Principal Scientist

Dr Rajiv K Singh, Principal Scientist

Dr Kapila Shekhawat, Senior Scientist

DIVISION OF AGRONOMY  
ICAR-INDIAN AGRICULTURAL  
RESEARCH INSTITUTE  
NEW DELHI-110 012

### **Background**

The challenges like declining factor productivity, increasing cost of cultivation, degrading natural resources and soil health deterioration has brought Indian agricultural again on the cross roads like early 1960s. Deteriorating soil health is reflected through declining soil organic matter, soil biodiversity, multiple nutrient deficiencies and increasing levels of inputs for a given output. Therefore, there is an urgent need for developing, standardizing and promoting technologies that can reverse the resource degradation processes. The situation, thus, demands a paradigm shift from the traditional to conservation agriculture (CA). The three principles of conservation agriculture involving minimum soil disturbance, continuous soil cover and crop diversification can be met through the adoption of various need based practices like zero tillage, minimum tillage, strip tillage, bed planting, laser land levelling, crop residue management, legume incorporation etc. also, energy efficient and cost effective system based resource conservation technologies (RCTs) are vital for improving system productivity, profitability, soil health and environmental quality, and ultimately sustaining intensive cropping systems.

### **Course Content**

The transition of conventional systems to conservation systems requires some site-specific alterations in sowing methodologies, nutrient, water and pest

management. Thus, to advocate a region-specific CA package addressing productivity enhancement and soil health sustainability must be developed by the scientists and popularized among the stakeholders. Through this course, the attempts would be made to acquaint the participants with the latest issues and recent innovations in CA. This course would offer the theory and practical oriented understanding of the technologies for CA. This will help the participants to understand management strategies and interventions of the most critical input for better execution of CA principles for judicious resource utilization.

The course is designed in a way that it would be immensely useful. It's content will include CA practices in predominant cropping systems in India. Deliberation will be made on wide ranging topics in conservation agriculture including the main issues and opportunities for Indian Agriculture. The training been designed with an aim to provide theoretical as well as practical experiences in the ratio of 60:40, respectively.

### **Training objectives**

- To provide exposure to the scientist on recent advances in conservation agriculture for predominant cropping systems
- To impart training on adoption of location-specific conservation

agriculture practices for enhancing productivity and profitability

- To disseminate the conservation agriculture based mature technologies for enhancing resource efficiency

**Course duration:** March 8-28, 2018

### Eligibility

The scientific staff of ICAR, SAUs, and KVKs are eligible for participation. All the applications must routed through proper channel. The total number of participants will be restricted to 25. TA/DA of the participants will be met out from the source of his/her salary. Expenditure towards session tea, study material, contingency, etc. will be borne by the organising institute from the HRD fund available.

### Boarding and Lodging

There is limited accommodation facility in the guest houses within the Pusa campus due preoccupied programme. The participants may be accommodated in nearby hotels on payment basis, ranging between Rs 2000-5000. The list of hotels and rent will be provided along with confirmation letter. Working lunch and refreshment will be provided as per the ICAR guidelines.

### How to reach

Indian Agricultural Research Institute popularly known as “Pusa Institute” is located at Pusa in East Patel Nagar about 10 km from Maharana Pratap ISBT, 8 km west of New Delhi Railway Station and

about 16 km east of Indira Gandhi International Airport. Pre - paid taxi/auto can be available at railway /airport/bus stations to reach at IARI, Pusa Campus, New Delhi.

### IMPORTANT DATES

- Last date of receipt of application : 20 February, 2018
- Intimation of Selection : 25 February, 2018
- Confirmation of participation by candidates: 26<sup>th</sup> February, 2018

### Please send nomination to

**Dr. Vinod Kumar Singh**

Head

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### For further information please contact

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Sr. Scientist

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## Training programme

On

Good agricultural practices for enhancing resource use efficiency and farm productivity

(March 8-28, 2018)

### APPLICATION FORM

1. Name:

2. Designation:

3. Present employer and address:

4. Correspondence address:

Fax:

E-mail:

Mobile:

5. Date of birth:

6. Sex: Male/Female

7. Work experience: ( ) years

8. Educational qualifications:

Date:

Place: Signature of the applicant

### Recommendation of the Forwarding

**Authority**

Date:

Signature

Name & Designation