



## Model Training Course



On

**Conservation agriculture for enhancing crop productivity and resource-use efficiency**

**(February 20-27, 2017)**

### **Sponsored by**

Directorate of Extension,  
Ministry of Agriculture and  
Farmers Welfare,  
New Delhi-110 012

### **Course Director**

**Dr. U.K. Behera**

Principal Scientist

### **Course Coordinators**

**Dr. S.L. Meena**

Senior Scientist

**Dr. Seema Sepat**

Scientist

### **Organized by**

Division of Agronomy  
ICAR-Indian Agricultural  
Research Institute  
New Delhi-110 012

### **About the model training course**

Resource degradation problems are manifesting in several ways. Declining water tables in many agriculturally important regions imply increasing pumping costs, replacement of shallow gravity tubewells with submersible pumps at huge cost, adverse

effects on water quality and overall ecology of the region. Declining soil carbon and fertility are reflecting in declining soil biodiversity, multiple nutrient deficiencies, need for increasing inputs use to maintain yields, and implications for quality of produce and environment. Therefore, there is an urgent need for developing and promoting technologies that can reverse the processes leading to resource degradation. Conservation agriculture (CA) technologies involve minimum soil disturbance, providing a soil cover through crop residues or other cover crops, and crop rotations for achieving higher productivity. This has emerged as way for transition to the sustainability of intensive cropping systems. The basic objective of the course is 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 better for their future planning of extension in CA.

### **Location and Climate**

The ICAR-Indian Agricultural Research Institute, popularly known as '**Pusa Institute**',

is the country's premier Institute conducts basic and strategic research, serves as a centre for academic excellence, and provides national leadership in agricultural research, education and extension through development of new concepts, hypotheses, technologies and policy guidance. The Division of Agronomy is one of the oldest Divisions of ICAR-IARI, and is engaged in teaching, research, extension and human resource development since pre-independence times. It has contributed significantly in developing improved production technologies, which ushered green revolution in Indian agriculture. The Division is adequately equipped with modern infrastructure for carrying out high quality research and teaching. The ICAR-IARI is located about 8 km west of New Delhi railway station and 10 km from the Maharana Pratap Inter-State Bus Terminus (ISBT). The weather during proposed training duration is expected to be cool, pleasant and comfortable with temperatures between 11°C and 21°C. Light warm cloths will be sufficient for comfortable stay. Blankets, etc. will be provided to the participants at the place of their stay.

### **Course Contents**

The core topics of the training programme are:

- CA: Importance, concept, definition,
- Procedures and methodology for CA
- Economic and energy analysis of

- different CA systems
- Carbon sequestration and mitigation of climate change effects
- Integrated weed management strategies, and other related areas

### Course Duration

The course duration is eight days from 20–27 February, 2017. Out-station participants are requested to arrive latest by the evening of February 19, 2017 and can leave after 18:00 hrs on February 27, 2017.

### Eligibility

Participation for the model training course is open for the officers in the cadre of extension functionaries working at field level /involved in extension activities in state govt. departments/KVKs/SAUs/ICAR Institutes. The total number of participants will be restricted to 20. No course fee will be charged from the participants.

### How to apply?

Application for participation in the course may be made in the prescribed format as given herewith and forwarded by the competent authority where the candidate is employed. Applicants may send an advance copy if they anticipate delay in forwarding through proper channel. However, the final selection will be made only if the application duly recommended by the competent authority is received, which must not be

later than one week after the closing date. The closing date for receipt of applications is **30.01.2017**. The selected candidates will be intimated by **03.02.2017** by Email. Participants may start their journey only after confirmation.

After the candidates are intimated of their selection, they should immediately reply with firm acceptance. Cancellation at the last moment for casual reasons after acceptance may deprive other needy candidates who could have availed of this opportunity.

### TA & DA

Participants will be paid to and from travel expenses restricted to AC-II tier Train fare on submission of original travel tickets in support of their claim or State Transport Department Bus by shortest route as per Government of India rules. In case, the trainees from organisations viz. ICAR, SAUs, KVKs etc. their TA/DA may be borne by their respective organization/institute.

### Boarding and Lodging

Free boarding and lodging will be provided to all the participants as per the rules of model training course. The participants will be provided accommodations in the Sindhu Guest House of the Institute on sharing basis. **Participants are requested not to bring their family.**

### Applications may be sent to:

**Dr. U.K. Behera**  
Course Director  
Division of Agronomy  
ICAR-Indian Agricultural Research Institute  
New Delhi 110 012  
Tel No.: 011-25841488(O)  
Mobile: 09654896443  
Email: ukb2008@gmail.com

### For further information please contact

**Dr. Seema Sepat**  
Scientist  
Mobile: 9013786133  
Email: seemasepat12@gmail.com

**Dr. S.L. Meena**  
Senior Scientist  
Mobile: 09650353395  
Email: dr\_slmeena@yahoo.co.in

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### APPLICATION FORM

1. Name:
2. Designation:
3. Present employer and address:
4. Correspondence address:  
E-mail:  
Mobile:
5. Date of birth:
6. Sex: Male/Female
8. Work experience: ( )  
Years
9. Educational qualifications:  
Date:  
Place: Signature

### Recommendation of the Forwarding Authority

Date:  
Signature  
Name & Designation