

**MODEL TRAINING COURSE (2018-19)**  
**‘Organic Dairy Farming and Good Agriculture Practices for Fodder Resources ’**  
**(October 23 to 30, 2018)**

**Sponsored by:**

Directorate of Extension, Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India, New Delhi

**Organized by:**

Plant Animal Relationship Division, ICAR-Indian Grassland and Fodder Research Institute, Jhansi-284 003 (Uttar Pradesh)

**Course Director**

Dr. S.K. Mahanta, Principal Scientist  
Plant Animal Relationship Division  
ICAR-Indian Grassland and Fodder Research Institute  
Jhansi-284 003 (Uttar Pradesh)

**Course Coordinators**

Dr. S. B. Maity, Principal Scientist  
Dr. K. K. Singh, Principal Scientist  
Dr. M. M. Das, Principal Scientist  
Dr. Sultan Singh, Principal Scientist

**Background**

Plant Animal Relationship (PAR) Division of ICAR-Indian Grassland and Fodder Research Institute (ICAR-IGFRI), Jhansi undertakes research on forage evaluation and their utilization for sustainable and economical livestock production. The division/institute has well trained scientific manpower in various aspects of pasture/forage production and their optimum utilization in animals. It has developed various technologies that have practical relevance for livestock farmers like forage/pasture based efficient feeding systems for different categories of animals, improved grazing management practices, strategic supplementation of limiting nutrients, area specific mineral mixture, newer feed resources for economic feeding; techniques to improve forage quality & conservation, practices for organic milk production and reducing methane emissions from animals. The division is well equipped with modern equipments to analyze forages for nutritional evaluation including antiquality factors and environmental contaminants. Besides this, animal herd comprising of cattle, buffaloes, sheep and goats are available in adequate numbers for conducting on-station experiments.

Dairy farming has the potential to provide additional income to the farmers along with achieving major goals of organic farming through diversified production and supporting different sustainable biological cycles within a farming system. At present, India is the largest producer of milk in world supported by a good growth rate in dairy sector. But due to increasing consumer awareness there has been an increased concern voiced over quality of milk and milk products

including contamination, pollutant and the residual effect of various chemicals. Accordingly interest in organic dairy farming has been increased at rapid pace worldwide as an alternate solution. Under Indian condition, rapid spread of organic dairy farming is also possible because of some key geographical, cultural and economic advantages like traditional nature of farming and indigenous technical knowledge and practices followed by Indian farmers, but it needs to overcome few shortcomings. Getting hands on training on fodder resource development in relation to organic livestock production/dairy farming and good agriculture practices will benefit the field level officers to disseminate the knowledge to prospective livestock farmers.

### **Course Contents**

1. Organic dairy farming in India – an overview
2. Biodiversity of livestock in India and their potential use in organic farming
3. Forage scenario in India
4. Fodder production for organic livestock farming
5. Resource conservation technologies in fodder crops
6. Improved varieties for fodder development
7. Use of farm machinery in forage crops
8. Pest and diseases in forages
9. Organic pasture development in degraded lands
10. Nutrient management in dairy animals and environmental pollution
11. Management practices for organic dairy farming
12. Supplementation strategies and stress management in dairy animals
13. Processing and quality evaluation of forage seeds
14. Post harvest processing of forages
15. Methane emission from Indian livestock and forage based feeding
16. Economic aspects of fodder production and utilization in relation to organic dairy farming

### **Duration**

The course duration is eight days from October 23 to 30, 2018. Out-station participants are requested to arrive by the evening of 22 October and can leave after 17.00 hrs on 30 October.

### **Eligibility**

Participation for the Model Training Course is restricted to Officers of State/UTs Government Development Departments like Animal Husbandry and Agriculture who is closely involved in fodder/livestock development and extension activities. The total number of participants will be restricted to 20-25. There is no course fee charged to participants.

### **Nomination**

The Directors of the State/UTs Government Development Departments may nominate suitable Candidates in a given nomination/application form. The last date of receipt of nomination is 24 September 2018. The selected candidates will be intimated on or before 29 September 2018 either by Fax/Speed post/E mail/ Mobile, who in turn have to confirm their participation by 06 October 2018. Participants may start their journey only after confirmation from ICAR-IGFRI, Jhansi.

### **TA & DA**

Participants will be paid To and Fro travel expenses restricted to AC II tier Train fare or Bus by shortest route as per Government of India norms and entitlement.

### **Boarding and Lodging**

Free boarding and lodging facilities will be provided to all the participants as per the rules of model training course.

### **How to Reach IGFRI**

ICAR-IGFRI (locally known as Grassland) is located near Pahuj Dam on Jhansi-Gwalior Road, 10 km West of Jhansi Railway Station. One can reach the Institute from Jhansi Railway Station/Bus Stand by Auto-Rickshaws (Fare around Rs 150).

### **Weather**

Jhansi is expected to be comfortable during October 23 to 30, 2018.

### **Please Send Nomination To**

Dr. S.K. Mahanta  
Principal Scientist & Course Director (MTC)  
Plant Animal Relationship Division  
ICAR-IGFRI, Jhansi-284 003 (Uttar Pradesh)  
Phone: (0510) 2730446-Ext. 219  
Mob: 9451265901  
Fax: (0510) 2730833  
E-mail: mahantask@rediffmail.com

### **For Further Information Please Contact**

Dr. S B Maity, Principal Scientist & Course Coordinator  
Mob: 9415987366  
E-mail: sb\_maity@yahoo.in

Dr. K K Singh, Principal Scientist & Course Coordinator  
Mob: 9450075544  
E-mail: krisk Singh@gmail.com

Dr. M M Das, Principal Scientist & Course Coordinator  
Mob: 9451266478  
E-mail: mmdas1964@gmail.com

&

Dr. Sultan Singh, Principal Scientist & Course Coordinator  
Mob: 9415502684  
E-mail: singh.sultan@rediffmail.com

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**Resources’**  
**(October 23-30, 2018)**

**Nomination/ Application Form**

1. Name:

2. Designation:

3. Present employer and address:

4. Corresponding address:

Fax:

E-mail:

Mobile:

5. Date of birth:

6. Sex: Male/Female

7. Work experience: ( ) years

8. Educational qualifications:

Date:

Signature of the applicant

Place:

**Recommendation of the Forwarding Department:**

Signature:

Designation:

Address