



Short Course Training Programme on

Crop Diversification for Resilience in Agriculture and Doubling Farmers Income

(January 25-February 3, 2019)

Sponsored by

Education Division
INDIAN COUNCIL OF
AGRICULTURAL RESEARCH,
NEW DELHI

Course Director

Dr SS Rathore, Principal Scientist

Course Coordinators

Dr RK Singh, Principal Scientist
Dr Kapila Shekhawat, Senior Scientist
Dr Pravin Upadhyay, Scientist

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

Background

Crop Diversification refers to a shift from the regional dominance of one crop to regional production of a number of crops, to meet ever increasing demand of cereals, pulses, vegetables, fruits, oilseeds, fibres, fodder, grasses etc. It aims to improve soil health and to maintain dynamic equilibrium of the agro-ecosystem. India is blessed with diverse agro-climatic conditions which enable the farmers to produce a large number of agricultural commodities. With the advent of green revolution era, many laurels have been achieved in terms of high productivity of rice and wheat. As results, few crops are occupying major production area and are grown repeatedly year after year. This has resulted in emergence of several field levels biotic and abiotic constraints and overall reduction in the benefits realized from farming. Crop diversification provides the farmers with a wider choice in the production of a variety of crops in a given area so as to expand production related activities on various crops and also to bring down the possible risk.

Crop diversification in India is generally viewed as a shift from traditionally grown less remunerative crops to more remunerative crops. Crop diversification and growing of large number of crops are practiced in dry-land areas to reduce the risk factor of crop failures due to recurring droughts. For majority of farmers in different parts of the country gains from application of science tools and technologies in agriculture have yet to be realized. As a result, the productivity levels of many crops in India do not match with the yields obtained in

agriculturally advanced countries. Therefore efficient and effective crop diversification is a crucial aspect in the years to come for acquiring enduring self-reliance and ensuring sustainable agricultural growth.

OBJECTIVES:

- To impart training on successful crop diversification options for enhancing productivity and resource use efficiency.
- To impart practical learning by doing approach about crop diversification in farming system mode

Course Contents:

Lectures are scheduled from preliminary to advance practices of crop diversification, proved crop, cropping system and farming system diversification options. Deliberation will be made on wide ranging topics in improved agronomic management for high productive crop diversifications practices, practical aspects of varietal selection, seed treatment and sowing techniques, improved management for zero till cultivations, residue management options for higher yield and profits, efficient N management options for higher N use efficiency. Integrated farming system (IFS) approach for sustainable livelihood security etc. through class room training, live demonstration and field visit will be arranged. The whole training programme will be blend of lectures, self-exploration instruments, and case analysis, experiential learning and group discussion as well as field visit/study tour. The training has been designed with an aim to provide theoretical as well as practical experiences in the ratio of 60:40, respectively.

Course duration: January 25-February 3, 2019

Eligibility

This short course is meant for active researchers / teachers/ Scientists in SAUs /ICAR Institutes in the field of Agronomy/Soil Science/Agricultural Physics /Agricultural Extension/Plant Physiology/Agricultural Economics/ Agricultural Engineering/ Soil Water Conservation/Horticulture or any other related disciplines like Agroforestry, and Home Sciences. The total number of participants shall be strictly limited to 25. The application will be considered on the basis of first-come-first serve till last date.

Boarding and Lodging

The boarding, lodging and travel expenses of the selected participants will be met from ICAR fund as per norms. Participants will be paid to and fro fare for journey by train (2nd AC) or bus or other means of transport in vogue as the case may be. Actual TA will be paid on production of a certificate by the participants. The participants will be provided shared accommodation in Sindhu e guest house of the Institute. Please do not accompany family member during training programme.

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.

Please send nomination to

Dr SS Rathore, Principal Scientist

Division of Agronomy, ICAR-IARI Pusa, New Delhi 110012
Phone: 011-25841488
FAX: 011-25842283Cell: 91-9649103028
Email: sanjayrathorears@gmail.com

For further information please contact

Dr RK Singh, Pr. Scientist

Email: rajiv1571975@rediffmail.com

Dr. Kapila Shekhawat, Senior Scientist

Cell: 91-9649103028

Email: drrathorekapila@gmail.com

Dr Pravin Upadhyay, Scientist

Email:pravin.ndu@gmail.com

How to apply?

Application for participation in the Summer School may be made in the prescribed format as given herewith and forwarded by the competent authority of the SAU/ICAR Institute 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 before the commencement of the training.

Important dates

- Last date for application : 30 September 2018
- Intimation of Selection : 25 October, 2018
- Confirmation of participation by candidates:30 November, 2018

Training programme

On

Crop Diversification for Resilience in Agriculture and Doubling Farmers Income (January 25-February 3, 2019)

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. Marital status:
8. Work experience: () years
9. Educational qualifications:
10. Mention if you have participated in any Summer/ Winter School/Short Course etc. during previous years under ICAR/any other organization (Give details of course, organizers, duration/dates/year etc.):

Photo

Date:

Place:

Signature of the applicant

Recommendation of the Forwarding Authority
Date:

Signature

Name & Designation