



## **Training Programme on**

### **Good Agricultural Practices (GAPs) for higher productivity, profitability and resource-use (August 2-16, 2021)**

Sponsored by  
INDIAN COUNCIL OF  
AGRICULTURAL  
RESEARCH  
NEW DELHI

#### **Course Director**

Dr. Anchal Dass, Principal Scientist

#### **Course Coordinators**

Dr. Raj Singh, Principal Scientist &  
Head

Mr. Rishi Raj, Scientist (Senior Scale)

Dr. Ramanjit Kaur (Principal Scientist)

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

### **Background**

India is largely an agrarian country and about 60 per cent people directly depend on Agriculture for livelihood, apart from providing food, raw material for various Industries and ecosystem-services. With a strong scientific backup provided by National Agricultural Research System (NARS) in terms of generating and dissemination various agricultural technologies, the Indian agriculture has performed exceptionally well registering 6-fold increase in food grain production from 1950-51 to 2020-21 and has transformed the Nation from food deficit nation to food exporter. However, recently there have been concerns about food security, nutritional security, natural resource degradation and environmental sustainability in agriculture among producers and consumers. These important issues necessitate the adoption and promotion of the concept of good agricultural practices. Good Agricultural Practices (GAPs) is basically a new concept and that has evolved in the recent years. GAPs apply scientific recommendations and available knowledge to address environmental, economic and social sustainability for on-farm production and post-production processes resulting in safe and healthy food and non-food agricultural products. The GAPs are a set of principles, regulations and technical recommendations applicable to production, processing and food transport, addressing human health care, environment protection and improvement of worker conditions and their families (FAO, 2007). Currently, the sustainability of Indian agriculture has been questioned due to a host of problems, such as declining factor productivity, degradation of natural resource base and climate change. There is an urgent need to have an environmental sustainable, economically viable and socially acceptable practice that could provide sufficient and quality food to present generation and protect the resources for use of future ones. The GAPs could be one of the potential options that can provide solution to such problems. Thus, there is an urgent need to develop GAPs for cultivated

crops starting from sowing through harvest and post-harvest management of produce. The transfers of GAPs to the farmers' field will achieve the goal of sustainable use of natural and man-made resources. It will also enhance agricultural productivity, profitability and resource-use efficiency in the long-run. The present training on GAPs includes almost all aspects of crop production for efficient use of farm resources. The better understanding of these practices by trainees/ stakeholders will lead to enrichment of quality human resource.

### **Course Content:**

The course consists of relevant topics of the good agricultural practices pertaining to agriculture and allied production system. The main focus of the course would cover GAPs starting from land preparation to harvest, transport, post-harvest storage and value addition. Lectures are prepared on the pertinent aspects ranging from basic to advance good agricultural practices. Deliberation of lectures will be made on different aspects of GAPs including the problems, prospect and opportunities of Indian Agriculture, concept, definition, scope and present status of good agricultural practices in India, practical aspects of seed and sowing, precision planting techniques using improved farm machinery, GAPs for direct seeded rice, zero-till wheat, pulses, oilseeds, vegetables, fruits and cash crops, residue management options in crops and cropping systems, efficient nutrient, water and weed management options for higher productivity and resource use efficiency. The participants will be exposed to modern tools like GreenSeeker, SPAD and Nutrient-Expert based fertilizer prescription in rice, wheat and maize. Also, demonstration of farm machinery, sowing methods and integrated farming systems models for small and marginal farmers for sustainable livelihood security will be the major focus of the training.

### Training objectives

- To impart knowledge on good agricultural practices for enhancing productivity and profitability
- To offer practical exposure of advanced tools and techniques used for GAPs.

**Course duration:** August 2-16, 2021

### Eligibility

The technical staff of ICAR institutes are eligible for participation for the good agricultural practices training programme. All the application must routed through proper channel. The total number of participants will be restricted to 25. There is no course fee charged to participants. But the TA/DA will be borne by the host institute of the participant.

### Boarding and Lodging:

Training programme will be online mode/

### IMPORTANT DATES

- Last date of receipt of application: 30<sup>th</sup> June, 2021
- Intimation of Selection : 10<sup>th</sup> July, 2021
- Confirmation of participation by candidates: 20<sup>th</sup> July, 2021

### Please send nomination to

#### Dr. Anchal Dass

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### For further information please contact

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### 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