



Model Training Course



For

**TECHNICAL STAFF of ICAR/ SAUs /
CAUs / ICAR funded KVKs**

ON

Precision Agriculture Technologies

(September, 18-23, 2017)

Course Director

Dr. Indra Mani

Head

**Division of Agril. Engineering
ICAR-IARI, New Delhi**



**Division of Agricultural Engineering
ICAR-Indian Agricultural Research Institute
New Delhi-110012**

BACKGROUND

Agricultural production system is an outcome of complex interaction of seed, soil, water, fertilizers and other agro-chemicals. Therefore, judicious management of all the inputs is essential for maintaining the sustainability of such a complex system. Precision agriculture is an integrated crop management system that attempts to match the kind of inputs with the actual crop needs for small areas within a farm field. This goal is not new but new technologies now available allow the concept of precision agriculture to be realized in a practical production setting.

Therefore, the proposed training programme has been designed with following specific objectives:

OBJECTIVES

- To impart training to technical staff of ICAR for handling of precision instruments/ equipment
- To develop skill in data acquisition methodologies required in precision agriculture

COURSE CONTENT

- Fundamentals of precision Agriculture
- Variable rate technology
- Precision Planting technology
- Solar operated precision spraying
- Soil moisture sensing and automatic irrigation control
- Drone assisted sprayer and robotic planter

TRAINING STYLE

The training will be participative and action oriented. The emphasis will be on learning through practical experiments along with theoretical backgrounds. Group discussions, hands on experiences etc. would be major interactive modes. The programme will consist of classroom lectures and experimental learning. The programme will further provide excellent opportunities for practical experience, mutual interaction and information sharing among the participants with resource person.

ABOUT ICAR-IARI

Indian Agricultural Research Institute, popularly known as 'Pusa Institute', is the country's premier institution for research and higher education in the field of agricultural sciences. The primary mission of the Institute is to explore new frontiers of science and knowledge and develop human resources to provide leadership to the country in technology development and policy guidance. The 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 and technologies.

The Division of Agricultural Engineering is one of the oldest Divisions of the IARI, and is engaged in teaching, research, extension and training activities. It has contributed significantly in developing improved Agricultural equipment which has helped farming community. The Division is adequately equipped with modern infrastructure for carrying out high quality teaching and research leading to development of useful technologies for sustainable production.

IARI is located about 8 km west of New Delhi railway station, 10 km from the Inter-State Bus Terminal and about 20 km from international airport. The weather in Delhi during September will be little hot with a maximum temperature of 37°C and minimum temperature of 26°C. The average relative humidity will be around 69 percent.

COURSE FACULTY

The course will be conducted in the overall supervision of Dr. Indra Mani, Head, Division of Agricultural Engineering. as the Course Director for the model course. Faculty of the Division of Agricultural Engineering, resources persons from other divisions of IARI, ICAR and renowned experts of the field will be invited to conduct the sessions.

COURSE DIRECTOR

Dr. Indra Mani

HEAD

Division of Agricultural Engineering
ICAR-Indian Agricultural Research Institute,
New Delhi-110012

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Co-course Directors:

Dr. P K Sahoo, Principal Scientist

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Dr. Roaf Ahmad Parray, Scientist

E-mail: rouf.engg@gmail.com

DATES AND DURATION

The duration of the Model Training Course will be six days from September, 18th to 23rd, 2017. Outstation participants are requested to reach the IARI, New Delhi Campus one day in advance of the first day of the training programme. The participants may plan their departure on the last day of the training programme after 17.00 hours.

BOARDING AND LODGING

The participants will have to meet the TA/DA expenses from their respective Institutes. However, working lunch and session tea will be provided as per the ICAR guidelines. Limited accommodations are available in the guest houses at IARI, New Delhi. Efforts will be made to provide accommodations in nearby budget hotels and participants have to pay for lodging and boarding. Confirmation letter for participation is a pre-requisite to book for accommodation in the hotels/ guest houses etc.

ELIGIBILITY

The Technical personnel of ICAR institutes and from SAUs / CAUs / ICAR funded KVKs are eligible for participation in this training programme. All the applications must be routed through proper channel. The total number of participants will be strictly restricted to 25. There is no course fee for Technical personnel of ICAR institutes. However, Technical personnel from SAUs / CAUs / ICAR funded KVKs are required to pay a nominal course fee of 2500.00 (Rupees two thousand

and five hundred only) in the form of Demand Draft in favor of the Director, ICAR - Indian Agricultural Research Institute, New Delhi 110 012, payable at Syndicate Bank (IFSC code SYNB0009029), Pusa, New Delhi 110 012. The TA/DA will be borne by the host institute of all participants.

HOW TO APPLY?

Application for participation in the training may be made in the prescribed format as given herewith and forwarded by the competent authority of the ICAR institute where the candidate is employed. Applicants should send an advance copy through e-mail (maniindra99@gmail.com), 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 September 9, 2017.**

CONFIRMATION OF PARTICIPANTS

The candidates will be intimated through e-mail/Telephone after the closing date (i.e. on or before 10th September, 2017). 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 will be regarded as a serious breach of ethical conduct since it may deprive other eager candidates who could have availed of the opportunity.

VENUE

Division of Agricultural Engineering, Indian Agricultural Research Institute, New Delhi-110012 will be the proposed venue for the Model Training Course on 'Precision Agriculture Technologies' (September, 18-23, 2017).

For more information please contact

Dr. Indra Mani

Head

Division of Agricultural Engineering
ICAR-Indian Agricultural Research Institute
Pusa, New Delhi-110012

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Application for participation in

Model Training Course on " Precision Agriculture Technologies"

(September, 18-23, 2017).

(To be sent to the Course Director of the Model Training Course)

1. Full Name (IN BLOCK LETTERS):
2. Designation and address:
3. Present employer with address:
4. Address for correspondence (IN BLOCK LETTERS):
Phone: Mobile: Email:
5. Permanent address:
6. Date of birth:
7. Sex: Male/Female; Marital status: Married/Unmarried
8. Professional experience (Mention posts held in last 5 years)
9. Mention if you have participated in any training course etc. during previous years under ICAR/any other Organization.
10. Academic record:

Sl. No.	Examination Passed	Main subjects	Year of Passing	Class/Rank/ distinction	Institution

Date:

Place:

(Signature of the Applicant)

Recommendation of the forwarding Organization:

It is certified that the above information has been furnished as per the office record and found correct.

Signature of the sponsoring authority

(with name, designation, address and seal)

Date:

Place: