

**APPLICATION FORM FOR PARTICIPATION
IN MODEL TRAINING COURSE**

On “Precision Water Management in High Value Crops: An Option for Efficient use of Water for Doubling Farmers Income in Arid Region” at College of Agriculture, Agriculture University, Mandor, Jodhpur, Rajasthan-342 304

1. Full name (in capital letters) -----
2. Designation-----
3. Present employer and address-----
4. Address -----
Pin code ----- Mobile No.-----
E-mail-----
5. Date of Birth-----
6. Gender (Male /Female)-----
7. Do you want accommodation in guest house-----
8. Marital status (Married/Unmarried)-----
9. Mention if you have participated in any training during the previous years under SAU/ICAR/Other organization. -----

10. Academic record:

Examination passed	Subjects (main/subsidiary)	Year of passing	Class ranks, distinction, OGPA/%	University/ institution	Other information
Graduation					
Post graduation					
Ph. D.					
Others					

11. Your Expectation from the training:

Place _____
Date _____ Signature of the applicant

12. Recommendations of forwarding authority.

The application of Mr. / Ms/ Dr. _____ is hereby recommended and forwarded to attend Model Training Course On “Precision Water Management in High Value Crops: An Option for Efficient use of Water for Doubling Farmers Income in Arid Region”, to be organized by College of Agriculture, Agriculture University, Jodhpur-342 304 (Rajasthan) during **22-29 November, 2019**. It is certified that the information furnished by the candidate has been verified and found correct.

Office Seal

Signature _____
Designation _____
Address _____

N.B.: If more copies are required copies may be made locally for use of applicants.



Correspondence

Course Director

Prof. Ummed Singh

Dean

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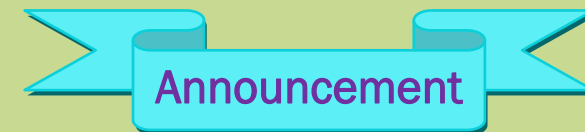
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Model Training Course

on

**Precision Water Management in
High Value Crops: An Option for
Efficient use of Water for Doubling
Farmers Income in Arid Region**

22 -29 November, 2019

Organized by

**College of Agriculture
Agriculture University
Mandor, Jodhpur**

Prof. Ummed Singh

Dean



Sponsored by

**Directorate of extension
Ministry of Agriculture & Farmers
Welfare
Government of India**

Background

Water, a key natural resource that is fundamental to life, livelihood, food security, and sustainable development is rapidly becoming scarce and limiting. Availability of water is very limited in arid and semi-arid region of Rajasthan in commensurate with increase in demand due to growing population, urbanization, industrialization, and economic development. In addition, there is a wide variation in distribution and quality of water partially due to anthropogenic causes and partially due to lack of a unified perspective in planning, management, and use of water resources. Agriculture is the major water user in our country utilizing nearly 70-80 per cent of all the utilizable water resources of the country. Uses of water for diverse purposes should be optimized and an awareness of water as a scarce resource should be fostered.

High value crops like vegetables and seed spices viz. coriander, cumin, fennel, fenugreek, ajwain, nigella, dill, celery, anise, caraway etc. are the most remunerative commodities of the arid and semi-arid regions of India. Utilization of these crops is for the aromatic compounds present in them. These crops are used both for culinary and as medicine. Seed spices are the golden wealth of arid and semi arid region of the country being most remunerative crops per unit time, space, and resource utilized. However, off-season cultivation of vegetables like tomato, parthenocarpic cucumber, and coloured capsicum are also potential high value crops for doubling the farming income in arid region.

Doubling the income of farmers up to 2022 is a challenge and requires object beyond food security. Conservation of natural resources with judicious use and technological options, optimized production and marketing are some of the key elements that lead towards increased land and water productivity which results in income enhancement of the farmers. It is in this context, the model training course entitled “*Precision Water Management in High-Value Crops: An Option for Efficient use of Water for Doubling Farmers Income in Arid Region*” will provide a suitable platform for interaction/discussion for the extension functionaries working in agriculture & allied departments. The deliberations by experts will add to better understanding of advances in water management for resource use optimization and income maximization in arid zone agriculture.

Objectives

- To train and aware the extension officers with precision water management practices for high value crops of arid regions to tackle farm profitability issues in these water-scarce regions;
- Develops skill in assessing the potential of water resources in terms of quantity and quality for improving farm productivity and profitability; and
- Inculcating the ability to plan and implement the available technologies in the field for increased land and water productivity.

Course Content

The entire course curriculum would emphasize upon the theoretical and practical aspects of precision water management in irrigation *i.e.* administrative and policy issues of water use, precision water use tools and techniques, high value crops of arid regions, advanced water management technologies, next-generation fertilizers, micro-irrigation, irrigation automation, poor quality irrigation water, superabsorbent polymers and soilless cultivation etc. Major water productivity and quality-related issues of Indian agriculture and their management options following precision water management would also be part of the course curriculum. Importance of precision water management and its relevance in enhancing productivity, profitability, resource-use efficiency and soil health would be the prime focus of the training. Various Advanced water management technologies like VRT, Sensor-Based Water Application, Remote Sensing and GIS for Irrigation Scheduling and their application would also be suggested in the MTC. Next Generation Fertilization like Aqua-fertilization, Water Soluble Fertilizers etc. and their efficiency in terms of Nutrient use Efficiency, factor productivity and income enhancement in high-value crops of the arid and semi-arid region would also be covered under this MTC. Various features of Irrigation automation, Management of poor-quality water for irrigation, Application of Superabsorbent polymers and Soilless cultivation of high-value crops etc. would be the main content of this course. Among practical aspects, Field Visit to Lift Canal Areas, hands-on Training of Controlling Unit/Control Panel of irrigation automation facility and Measurement of Quality Parameters in Irrigation Water etc. would be the prime course curriculum of this MTC.

Eligibility

This Model Training Course is meant for the extension/developmental officers of agriculture and allied departments of States/UT's. The total number of participants shall be limited to 20. However, nomination from SAU/KVKs/ICAR institutes/ Scientists may also be accepted, provided they are working at field level and involved in extension activities in state/central Govt. departments in the country.

Duration of course:

8 days: 22 - 29 November, 2019

Venue: College of Agriculture, Mandor, Jodhpur, Rajasthan-342 304

Number of participants:20

Important dates

Last date for nomination: 25 September, 2019

Information on selection: 30 September, 2019

Travel, boarding and lodging

The boarding, lodging and TA expenses of the selected participants from the State Departments of Agriculture and other related allied state departments will be met from the funds provided by the Ministry of Agriculture as per norms and operational guidelines for organization of Model Training Courses. Participants will be paid to-and-fro fare for journey by train (II Tier AC) or bus or other means of transport in vogue as the case may be. Actual TA will be paid on production of a tickets/certificate by the participants.

Trainees from ICAR, SAU's, KVKs etc. have to claim their TA from their respective organization. However, all participants are entitled to avail the lodging and boarding and other facilities. The participants will be provided accommodation in the University Guest House. Participants are requested not to bring their family/accompanying person with them. Food will be provided in the university guest house.

How to Apply

Eligible and interested candidates may apply in prescribed performa as per the steps given: (1) Fill the requisite information in word file of the prescribed application form (2) Take a printout and send nomination duly forwarded by the competent authority either via e-mail (Scanned copy) or post (Hard copy) to **Prof. Ummed Singh, Dean, College of Agriculture, Mandor, Jodhpur, Rajasthan-342 304.**

Location

Agriculture University, Mandor, Jodhpur is located 10 km away from Jodhpur Junction, 8 km from Rai Ka Bagh Palace Junction, 8 km from Rai Ka Bagh Central Bus Stand, 600m from Mandor railway station and 15 km from Jodhpur Airport. It is located on NH 62 Bikaner-Barmer Road and is well connected by rail/road/air to the rest of the country. The geographical coordinate of the university is 26°21'03"N latitude and 73°02'39"E longitude.

The climate of Jodhpur is pleasant with mild cold during the month of November. Need to bring warm clothes. During November, temperature ranges from 15-30 °C (32 °C record high).