

## CONTACT DETAILS

### COURSE DIRECTOR

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### COURSE COORDINATORS

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## APPLICATION FORM

(to be sent to the Director/Course coordinators)

### Model training course (MTC) on sorghum cultivation for value-added diversified products and sweet sorghum perspectives (September 23-30, 2013)

Full name (in block letters)	:
Designation	:
Present employer and address	:
Address for correspondence (in block letters)	:
Telephone:	Mobile:
Fax:	Email ID:
Date of Birth:	
Gender (sex):	Marital status:
Academic qualification	:
Nature of work and experience on current position	:
Please mention, if you have participated in any Training Course on Sorghum. during the last 5 years under ICAR/other organizations	:
Date:	Signature of the applicant
Place:	
Recommendation of the forwarding organization:	
Date:	
Place:	Signature with official seal

## MODEL TRAINING COURSE

on

### Sorghum cultivation for value-added diversified products and sweet sorghum perspectives

(September 23-30, 2013)



**Course Director : Dr. JV Patil**

**Course Coordinators : Dr. Rajendra R Chapke  
Dr. Vitthal R Bhagwat**



**DIRECTORATE OF SORGHUM RESEARCH**

(Indian Council of Agricultural Research)  
Rajendranagar, Hyderabad 500 030, India

[www.sorghum.res.in](http://www.sorghum.res.in)



## PREAMBLE

Food habits and needs of the people are changing very fast with their lifestyle and time. The need of food production will enhance with rapid growth of population. Moreover, the nutritional and food security with available resources and under changing climatic conditions are the big challenge in agriculture of our country. Sorghum is a potential crop to grow well in harsh environments unlike fine cereals like, wheat and paddy. It is an important staple food and, fodder for livestock population, especially in semi-arid regions. Millets including sorghum are the principal sources of energy, protein, vitamins and minerals for millions of the poorest people in these regions. Recently, sorghum emerges as a source for bio-fuel and different value-added food products. However, the area under sorghum has declined significantly whereas, the average productivity has increased (>1000 kg /ha) mainly due to adoption of improved production technologies by the farmers.

Adoption of technologies by the farmers is a key component in agricultural development. Several promising technologies are available in laboratories of the research institutes. Low productivity, susceptibility to biotic, abiotic factors, timely use of inputs, crop management, marketing and its economics are the major concerns in sorghum cultivation. To exploit the potential of the available promising technology(s) and overcome the clientele problems, process of technology transfer has to play a crucial role for well being of the small and marginal sorghum farmers. Transfer of technology is a complex but very essential process in agriculture development. There is challenge before extension agencies to develop competent human resources in the agriculture sector to serve large farming community under diverse agro-climatic situations. The capacity building of the extension managers and field extension functionaries of the different sorghum growing states is became prime important. Their competency can be enhanced by improving skills, updating latest technical knowledge and ultimately changing their attitude so that they can deliver their services effectively. With this backdrop, the model training course (MTC) on "Sorghum cultivation for value-added diversified products and sweet sorghum perspectives" has been designed to train extension functionaries of different sorghum areas of the country.

## OBJECTIVE

The training programme aims to improve the professional competence and upgrade the knowledge and develop technical skills on improved sorghum cultivation, value addition and sweet sorghum of subject matter specialists/extension managers/ extension functionaries.

## COURSE CONTENT

The training curriculum will be largely based on the emerging needs, knowledge and skill gaps among extension functionaries related to sorghum. The course consists of both lectures and hands-on practical classes including the demonstration of new process/methods. A broad overview of the course curriculum is highlighted below.

- Potential of sorghum for industrial uses and entrepreneurship development
- Sorghum improvements for commercially important products
- Improved sorghum production technologies for diverse conditions
- Sweet sorghum production technologies and its improvement
- A new area for sorghum cultivation in rice-fallows under zero-tillage
- Effective extension approaches for transfer of technology
- Nutritional benefits of sorghum and value addition

## COURSE FACULTY

The course content will be covered by the experts of the respective subject from the Directorate of Sorghum Research (DSR) and related national and international organizations of repute. The

coordination of the programme will be accomplished by the team of Dr. RR Chapke and Dr. VR Bhagwat (Course Coordinators).

## TARGET GROUP

The training course will be suitable for the extension managers/field extension functionaries from the **state agriculture development and line departments**. The candidates from ICAR/SAUs/KVKs/others may also participate with sanction of TA/DA from their nominating institute. The participants should at least possess Bachelor's degree in any discipline of Agricultural Sciences or allied fields.

## DATE AND DURATION

The duration of the course is of 8 days from 23<sup>rd</sup> to 30<sup>th</sup> September, 2013. The sessions will start daily from 9:30 AM and will continue till late evening. Outstation participants are required to arrive latest by the evening of 22<sup>nd</sup> September, 2013.

## TRAVEL, BOARDING AND LODGING

Travel expenses will be reimbursed for the participants from the **state development departments only**. For others, TA/DA may be borne by their nominating institute. The travel cost (to and fro) will be limited to a maximum of II<sup>nd</sup> class air conditioned sleeper charges of train by shortest route and will be based on the criterion of the pay scale of the participants. Actual TA will be paid on production of ticket(s) by the participants in support of his/her claim. The boarding and lodging expenses of the selected participants will be borne from the training fund as per the guidelines. Candidates should bring Permission & Relieving Letter from the respective Institute. The climate will be pleasant and the temperature during September ranges from 15 to 30°C.

## HOW TO REACH DSR

Hyderabad is well connected to all parts of India by Air, Train and Road. DSR is located on the Himayatsagar Road near the Acharya N.G. Ranga Agricultural University (ANGRAU) at Rajendranagar, Hyderabad 500030. It is located at an approximate distance of 20 km from Rajiv Gandhi International Airport (Hyderabad), 17 km from Nampally or Kacheguda Railway Stations, 23 km from Secunderabad Railway Station and 15 km from Mahatma Gandhi Bus Station (MGBS). DSR can be reached by local bus (94H, 94R, 94L, 95R, 95L, 92 and 92R) or taxi or auto rickshaw.

## LAST DATE FOR NOMINATIONS

The duly filled in application form forwarded through proper channel must reach Dr. J V. Patil, Course Director, Directorate of Sorghum Research, Rajendranagar, Hyderabad - 500 030 on or before 15<sup>th</sup> August, 2013. The application form can be downloaded from the website **www.sorghum.res.in** and sent in advance through e-mail to: [jvp@sorghum.com](mailto:jvp@sorghum.com) There is a provision for around 20 participants and the selection would be made on the first-cum-first basis.