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COURSE DIRECTOR

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COURSE COORDINATOR

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APPLICATION FORM

(to be sent to the Director/Course Director)

Model training course (MTC) on "Best practices for sorghum cultivation and importance of value-addition"
(20-27 September, 2016)

Full name (in block letters)	:
Designation	:
Present employer and address	:
Address for correspondence (in block letters)	:
Telephone:	Mobile:
Fax:	Email ID:
Age:	
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

Best practices for sorghum cultivation and importance of value-addition

(20-27 September, 2016)

Course Director : Dr. Rajendra R. Chapke
Course Coordinator : Dr. Sangappa B. Chillarge

ICAR - INDIAN INSTITUTE OF MILLETS RESEARCH
Rajendranagar, Hyderabad
www.millets.res.in

PREAMBLE

Food habits and needs of the people are changing fast with their lifestyle and time. The need of food production is being enhanced with rapid growth of population. Moreover, the nutritional, food and fodder security with available resources and under changing climatic conditions are the big challenge in agriculture of our country. Sorghum is potential crop to grow well in harsh environments unlike fine cereals, wheat and paddy. It is an important staple food and, fodder for livestock population, especially in resource-poor and 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 in India has declined significantly whereas, the average productivity has increased (907 kg /ha in 2014-15) 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. However, 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 different 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 "Best practices for sorghum cultivation and importance of value-addition" has been designed to train extension functionaries of different sorghum areas of the country.

OBJECTIVE

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

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 diversified 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
- Farm implements for dryland agriculture
- An effective extension approaches for transfer of technology
- Nutritional benefits of sorghum and value addition

TRAINING METHODOLOGY

The training methodology will be interactive lectures using audio-visual aids, visit to research facilities and field demonstrations, and experience sharing by resource persons/participants. The trainees will also be provided with reading materials, a compilation of the subjects covered in the training, and also publications of IIMR on selected topics.

COURSE FACULTY

The course content will be covered by the experts of the respective subject from the IIMR and related national and international organizations of repute. The coordination of the programme will be accomplished by the team of Dr. Rajendra R. Chapke and Dr. Sangappa B. Chillarge

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 20th to 27th September, 2016. 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 19th September, 2016.

TRAVEL, BOARDING AND LODGING

Travel expenses will be reimbursed for the participants from the **state development departments**. For others, TA/DA may be borne by their nominating institute. The travel cost (to and fro) will be limited to a maximum of IInd class air conditioned (AC) 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 their respective organizations. The climate will be pleasant and the temperature during September ranges from 15 to 30°C. Participants are expected to make their own arrangements to reach the programme venue.

HOW TO REACH IIMR

Hyderabad is well connected to all parts of India by Air, Train and Road. IIMR is located on the Himayatsagar Road near the Pandit Jayshankar Telangana State Agricultural University (earlier, 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). IIMR 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 nomination form forwarded through proper channel must reach Dr. Rajendra R. Chapke, Course Director, ICAR-Indian Institute of Millets Research (IIMR), Rajendranagar, Hyderabad 500030 on or before 10th September, 2016. The application form can be downloaded from the website www.millets.res.in and sent in advance through e-mail to: chapke@millets.res.in There is a provision for around 20 participants and the selection would be made on the first-cum-first basis.