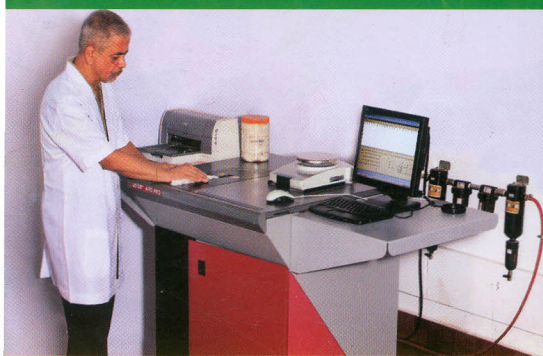




Training on
Quality Evaluation & Spinning Performance
of Indian Cottons using Advanced Techniques



September 20-22, 2017

Organized by

ICAR - Central Institute for Research on Cotton Technology (ICAR-CIRCOT)
D.A.R.E., Ministry of Agriculture & Farmers Welfare, Govt. of India
Adenwala Road, Matunga, Mumbai- 400019 (MS) INDIA

Introduction

The ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT), one of the premier constituent institutes of the Indian Council of Agricultural Research (ICAR), was established in the year 1924. The Institute is conducting research and development on all aspects of post-harvest technology of cotton and value addition to cotton by-produce with following mandate:

- Basic and strategic research on processing cotton and its ago-residues, development of value added products and quality assessment
- Skill development and business incubation services and function as referral laboratory for cotton fibres.

The Institute has been conducting skill development programmes to propagate, encourage and guide entrepreneurs to successfully adopt and market commercially viable technologies and to equip people with best practices in cotton ginning, quality evaluation of cotton fibres and value addition to by-products.

About the training programme

Cotton is produced for making various end products that range from high quality shirting to floor mat. Each product requires particular type quality of yarn and cotton fibre. It is well known that the quality of final product mostly depends on the quality of cotton fibre used. Quality of cotton fibre and yarn is specified in terms of its physical characteristics. Commercial value of cotton is determined by its physical characteristics. Hence cotton quality evaluation becomes crucial and important in cotton trade and industry. High Volume Instrument (HVI) is used to find out fibre properties of cotton samples. High Volume Instrument can test cotton fibre properties under two different modes viz., ICC mode and HVI mode. In India, most of the cotton traders and textile industries use ICC mode of High Volume Testing, whereas in cotton producing countries like USA, the HVI mode of testing is in practice. Cotton exporters in India are also familiar with HVI mode of testing as they have to submit HVI mode values to get their produce sold in international markets. In international markets, the transaction occur mainly using HVI mode fibre properties. In this context, it has been decided to introduce HVI mode fibre quality parameters for the benefit of Cotton Breeders as well as other breeding scientists working in ICAR-AICRP on Cotton.

Agricultural scientists working specially in ICAR-AICRP on cotton wants to know the quality aspects of cotton and also about recent developments in instrumental evaluation of quality of cotton.

Hence, this training program is organized to inculcate cotton scientists about the various quality aspects of cotton like fibre length, fineness, strength, maturity, various modes of testing in HVI, Advanced fibre information systems and processing steps namely ginning and spinning which contributes to the quality of cotton and yarn.

This training will be beneficial to all agricultural scientists who are engaged in the cotton improvement program of National Agricultural Research System.

Objectives

- To Impart both theoretical and practical knowledge on quality evaluation of cotton fibres
- To equip the breeders/scientists with proficiency in understanding the fibre quality attributes
- The production of better quality fibres from spinning potential point of view and enhanced value addition

Course Content

• **Fibre Quality Evaluation using HVI and AFIS**

Cotton breeders/scientists have used High Volume Instrument (HVI) as their primary source of fibre quality data when making selections. Fibre data generated by Advanced Fibre Information System (AFIS) technology is also now available which provides additional information on length characteristics and fibre maturity.

• **Interpretation of results of HVI and AFIS**

The understanding of relationship of different parameters obtained from the both the equipments for better control in decision making.

• **Different modes of testing in High Volume Instrument**

The training and interpretation of different parameters obtained in ICC mode and HVI mode of testing will be imparted.

• **Cotton Quality requirement for different spinning system**

The quality requirement of different fibre attributes for various spinning system in vogue.

• **Cotton yarn quality assessment and Lea CSP Norms**

The relationship of different fibre quality parameters with CSP and evaluation of some of the important yarn quality attributes.

Date and venue

September 20-22, 2017 at ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT), Adenwala Road, Matunga (East), Near Five Gardens, Mumbai 400019.

Accommodation

Guest house accommodation at ICAR-CIRCOT is limited and shall be provided at standard rate on first-cum-fist-serve basis in sharing basis (A/c) accommodation.

Fees

The programme fee is Rs. 10,000 + service tax (as applicable) per person. The charges include course fee, course material, breakfast and working lunch. The fee does not include travel, lodging and conveyance and other personal expense. There is 50% concession for students, academicians and participants from NARS.

How to apply

The interested participants may send their application in the prescribed format which is available on the website www.circot.res.in. The fee in the form of DD drawn/ at par Cheque in favour of “**Director, CIRCOT**” payable at Mumbai, may be sent to the below mentioned address so as to reach us on or before **September 13th, 2017**. The bank account detail for NEFT transfer is given below;

Account Name	Director, ICAR-CIRCOT
Bank Name	State Bank of India, Commercial Branch, Dadar East, Mumbai – 400014
A/c No.	10001710244
NEFT IFSC	SBIN0004114

How to Reach CIRCOT

From Airport (Domestic)	: 10 km
From Airport (International)	: 12 km
Nearest Railway Station	: Dadar (1.7 km)
Nearby Bus Stop	: Kopol Nivas on Dr. B.R. Ambedkar Road, Matunga (E), and Five Gardens Bus Stop
Landmark	: Five Gardens, Matunga

Organizers

Course Director	: Dr. P. G. Patil, Director, ICAR-CIRCOT
Course Coordinators	: Dr. P. K. Mandhyan, Sr. Scientist & Head I/c., QEID Dr. S. K. Dey, Sr. Scientist, QEID Mr. R. S. Prabhudesai, ACTO, QEID Mr. C. M. More, ACTO, QEID

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