



## EDUCATION AND TRAINING

### 6.1: Training received

#### 6.1.1: International Training

Name of the scientist	Name of the course	Place	Period
Dr. V. Santhy,	Cotton Production and Technology	Egyptian International Centre for Agriculture, Giza, Egypt	1st April, 2009 - 15th June, 2009
Dr K.K. Bandyopadhyay	Carbon Sequestration and Climate Change	Carbon Management and Sequestration Centre, The Ohio State University, Columbus, Ohio, USA	18th January - 17th April, 2010

#### 6.1.2: National Training

Name of the Scientist	Name of the course	Place	Period
Dr N Gopalakrishnan Dr. D.Monga Dr K Sankaranarayanan Mr M Sabesh	Team Building organized under NAIP on cotton value chain	YCADA, Pune	13th -15th June, 2009
Er. G. Majumdar	IPR Training on Patentingsystem in India	NIIPM, Nagpur	17th -18th June,2009
Er. G. Majumdar	IPR Training on Patenting inthe field of general engineering/technology	NIIPM, Seminary Hills, Nagpur	13th -17th July, 2009
Dr. Rishi Kumar	Jassid resistance monitoring training	Sirsa	21st July, 2009
Er, G. Majumdar	PERMISNET-II Workshop for nodal officers	NAAS Complex, New Delhi	22nd July, 2009
Dr M. Amutha	Insecticide resistance monitoring on Jassids	CICR, Nagpur	18th August,2009
Er. G. Majumdar	GPS/GIS/PDA training	AMDL, Bangalore	7th-8th Sep,2009
Dr.K,Sankaranarayanan	Short course on cropping system models	ICRISAT, Patancheru, AP, India.	12th -16th October, 2009
Dr. S.L. Ahuja	Genetic enhancement in field crops for use efficiency and tolerance to abiotic stresses	CCS HAU, Hisar	15th Oct- 4th Nov, 2009

Dr S.KVerma	Application of genomics technologies in plant breeding	ICRISAT, Patancheru, A.P.	16th -27th November, 2009
Dr. AR Reddy	Agricultural policy analysis	NCAP, New Delhi	17th -19th November, 2009
Dr. MV Venugopalan	Training programme on cropmodelling under National project on Impact, adaptation and vulnerability of indian agriculture to climate change	IARI, New Delhi	30th Nov -2nd December, 2009
Dr Isabella Aggarwal Dr Usha Rani	Methodological issues in impactanalysis of a agricultural and rural development projects	CARDS, TNAU, Coimbatore	2nd-22nd December,2009
Dr. Rishi Kumar	Intellectual property and its commercialization in agriculture	CCS HAU, Hisar.	15th -24th December, 2009
Er. G. Majumdar	ARIS Incharges sensitization workshop on Uniformity of Website content..	NBPGR, New Delh	18th March,2010
Dr K.P. M Dhamayanthi	Molecular cytogenetics and tissue culture techniques	CSK HP Agriculture University, Palampur, HP	12th -26th April,

## 6.2: Training Imparted

### Nagpur

#### Organization of two weeks multi-skill training programme to Group D staff

As per directions issued by Govt., of India, a two weeks multi-skill training programme was organized during 18.5.2009 to 2.6.2009 for Group D Staff of CICR Nagpur Hqrs. The topics covered were role of ICAR/CICR, cotton & species, research projects, cotton crop improvement, soils, pests/diseases identification, farm implements and maintenance of plant protection equipments, working of administrative section, stores, behavioral values, office procedure, basic knowledge of computers/typing, vigilance & RTI, work in finance section, duties at reception, work in library. The training was planned purely need based as per the requirements of the institute/units keeping in mind the work is supposed to be done by a non-matric/non-ITI staff after training. The inaugural function was chaired by Dr. P R Bharambe, HOD, Crop Production Division on 18.5.2009 and Valedictory function was chaired by Dr. K R Kranthi, Director on 2.6.2009. Dr. S. M. Wasnik, Principal Scientist (Extension) was Coordinator of the Course. The faculty members/experts to train the Group D staff were scientists, technical officers, administrative/finance officials of CICR.. Around 52 Group D staff were benefitted by the training programme.

A similar programme was also held at the CICR Regional Station, Coimbatore from 15.06.09 to 29.06.09. Twenty six lectures were delivered by scientists of CICR and Tamil Nadu Agricultural University on different topics to the supporting staff members.

#### Training on cotton production technology

Two training programme of one day duration were organized on Cotton Production Technology and IPM for FLD beneficiary farmers at villages Dhondgaon (Samudrapur tahsil) and Weni (Hinganghat tahsil) of Wardha district in Vidharbha region of Maharashtra. In all 98 farmers including 84 male farmers and 14 female farmers participated. Also imparted training to 60 extension workers and farmers during the training jointly organized by CICR and State Agri. Dept at Jamb Seed Production Centre under jurisdiction of Hinganghat Taluka Agriculture Officer on 18/3/2010. Further, imparted training to 40 field extension workers of Kisan Call Centre organized at VANAMATI, Nagpur on 16/01/2010.

#### Training on var/eta purity-testing of specified traits

A National Training on "Varietal Purity-Testing of Specified Traits" was organized by CICR, Nagpur during 15-24 February, 2010, wherein 30 candidates participated from Seed Testing, Seed Certification and Seed Production departments. The course was coordinated by Dr. P.R.Vijaya Kumari and Dr. R.K.Deshmukh. Dr.VSanthywas Organizing Secretary.

#### Exposure visit cum training for Master Trainers and SDAO's of state govt. of Maharashtra

In collaboration with 3 SAUs, IPM strategies for cotton were formulated in the beginning of the season and this was disseminated among the farmers through the state agriculture department, Govt. of Maharashtra. On line surveillance was carried out in all 28 districts of Maharashtra throughout the season. Arranged exposure visit of 355 Master Trainers and SDAO's of State Govt. of Maharashtra at CICR Nagpur.. Out of which 242 participated in 2 days duration exposure visit cum trainings in 4 batches -9 & 10,16 & 17,24 & 25 September and 27 & 28 October 2009 at CICR, Nagpur.

### Coimbatore

#### National level trainers training programme



National level trainers training programme on "Nutrient and water management in cotton with special reference to ELS and Desi cotton" had been organised on 18-19'h, March, 2010 to thirty extension officials participated from Tripura, West Bengal, Madhya Pradesh, Orissa, Karnataka, Gujrat, Haryana, and Tamil Nadu. The training programme was sponsored by Directorate of Cotton Development, Government of India, Ministry of Agriculture, Mumbai. Dr N Gopalakrishnan PC &

Head, CICR, Regional Station, Coimbatore, coordinated the training programme with technical support from Dr K Sankaranarayanan, Dr Mrs. Usha Rani and Mr M Sabesh. Extension officials were trained in the aspects of *in-situ* soil moisture conservation, integrated nutrient management, sustainable water management and potential of growing *herbaceum* in coastal region. Field visit was organised to irrigation cafeteria, TNAU, Coimbatore and micro irrigation plots of Jain Irrigation (P) Ltd, Coimbatore.

#### Farmers training programme

Training programme on "Integrated Cotton Production" was organized to NAIP project farmers from 17-22nd March 2010 at Central Institute for Cotton Research, Regional Station, Coimbatore. Field visit was made to farm of M/s Jain Irrigation at Udumulpet and Santhosh Farm (model organic farm), Kottur Malayadipatnam. A visit to textile Mill (Statex mills) was also organised. Farmers were trained on latest technologies of irrigation and e-extension at irrigation cafeteria and technological park of TNAU Coimbatore, respectively. The training also provided an opportunity to Cotton farmers to know newly released varieties, hybrids, Bt hybrids, ELS hybrids, *in situ* soil moisture conservation and nutrient management strategies. Poly mulch techniques, multi tier system and low cost drip system were demonstrated. Advances in management of sucking pests and stem weevil, IPM in Bt cotton hybrids besides clean cotton picking and post harvest handling for effective Value Chain approach were explained. The programme was directed by Dr. N. Gopalakrishnan, PC and Head and coordinated by Dr. K. Sankaranarayanan, Sr. Scientist and M. Sabesh, Scientist, CICR, Coimbatore.

#### Workshop on cotton in Tamil Nadu

Workshop on Cotton in Tamil Nadu: Opportunities and Challenges held on 2:11:2009 at CICR, Regional Station, Coimbatore was jointly organized by Indian Institute of Madras, Chennai and CICR, Regional Station, Coimbatore. The main objective was to find out why the cotton area in Tamil Nadu is less though many innovative technologies developed by public and private agencies available; to find the constraints for cotton

cultivation in Tamil Nadu in Farmers perspective; what is the demand for textile industries in Tamil Nadu; How best the research and academic institutions in enlighten the innovative cotton cultivation practices to the farming community. It was attended by different stake holders including Farmers, Industries, Govt., sector etc. The meeting was chaired by Dr N Gopalakrishnan, PC and Head, and Co-chaired by Dr Mathews, Professor, IIT, Chennai and meeting was coordinated by M. Sabesh, Scientist, and Dr S Usharani, Scientist, CICR, Regional Station, Coimbatore.

#### Workshop between cotton farmers and cotton scientists

An interactive workshop on "Innovations for Higher Economic Return to Cotton Farmers" between cotton farmers and cotton scientists held on 5<sup>th</sup> March, 2010 at CICR, Regional Station, Coimbatore in collaboration with the "Pothigai" Tamil Channel, Doordharshan Kendra, Coimbatore. Cultivators' doubts on Bt cotton, management of emerging pests like Mealy bugs and mirid bugs, intercropping in cotton, drip irrigation in cotton and clean cotton picking were clarified. More than one hundred farmers from Vadapudur, Allapalayam, Kanjapalli, Senthampalayam, Vakkampalayam, Vazhukkuparai in Coimbatore district and other areas participated enthusiastically. This programme was televised on 6<sup>th</sup> and 7<sup>th</sup> June 2010 in DD-Pothigai Tamil Channel between 6.00 AM and 6.30 AM. The programme was coordinated by Dr N Gopalakrishnan, PC & Head, CICR, Regional Station, Coimbatore and Dr (Mrs) S. Usha Rani, Scientist (Sr. scale) (Agricultural Extension).

#### Doordharshan telecast

Telecasting a documentary film about our institute and a series of programme about cotton production technologies in the Tamil DO Channel "Pothigai" in collaboration with the Doordharshan Kendra, Regional Station, Coimbatore was done from 24.01.10 to 16.05.10. The programme was coordinated by Dr (Mrs) S. Usha Rani, Scientist (Sr. scale) (Agricultural Extension). The topics of the programme, concerned resource persons, date and time of telecast are given below

S.No	Topic	Date and Time	Resource person
1	Specialties of the Cotton Varieties/ Hybrids released by CICR	24.01.10,6.00-6.15 AM	Dr. K. N. Gururajan, Principal Scientist
2	Seed Production Technologies in Cotton	31.01.10,6.00-6.15AM	Dr. K. Rathinavel, Principal Scientist
3	Bt Cotton Hybrids	08.02.10,6.00-6.15 AM	Dr. S. Manickam, Senior Scientist
4	Emerging & Key Pests in Cotton & their Management.	15.02.10,6.00-6.15AM	Dr. T. Surulivelu, Principal Scientist
5	Weed Management and Mulching Technologies in Cotton	21.02.10,6.00-6.15AM	Dr. P. Nalayini, Senior Scientist
6	Agro Technologies for Improvement in Cotton Production.	28.02.10,6.00-6.15AM	Dr. K. Shankaranarayanan, Senior Scientist
7	IRM in Cotton	01.03.10,6.00-6.15AM	Dr. B. Dharajothi, Principal Scientist
8	IPM in Cotton	07.03.10,6.00-6.15AM	Dr. M. Amudha, Scientist
9	ELS cotton	22.03.10,6.00-6.15 AM	Dr. K.P.M. Dhamayanthi, Senior Scientist
10	Nematodes Management in Cotton	05.04.10,6.00-6.15 AM	Dr. J. Gulsarbanu, Senior Scientist
11	Diseases Management in Cotton	03.05.10,6.00-6.15AM	Dr. M. Gunasekaran, Senior Scientist
12	Economics of Cotton Cultivation	09.05.10,6.00-6.15AM	Dr. Isabella, Senior Scientist
13	Harvesting and post harvesting technologies in cotton	16.05.10,6.00-6.15AM	Dr. Usha Rani, Scientist
14	Computer Applications in Cotton sectors	16.05.10,6.00-6.15AM	Dr. M. Sabesh, Scientist
14	Documentary film about CICR	07-06-2010	All Scientists
15	Interactive workshop between cotton scientists and cotton farmers	07-06-2010	All Scientists

## Sirsa

### Training Programme on Resistance Monitoring on Jassid To Neonicotinoids

One day training programme on resistance monitoring on Jassid to neonicotinoids was conducted on 17-07-2009. Dr. K.R. Kranthi, Director (Acting) and Head, Crop Protection, CICR, Nagpur demonstrated the methodology of resistance monitoring of jassid to the participants from CICR, RS, Sirsa and Bayer Crop Science.

### Training on Cotton production technology and mealy bug management

A state level training (two days) programme was organized on cotton production technology & Mealy bug Management under implementation of Action Plan of ICDP Mini Mission-II of TMC. One such training programmes was organized on the following

dates:

30 & 31-12-2009, 06 & 07-1-2010, 13 & 14-01-2010, 18 & 19-01-2010, 21 & 22-01-2010, 27 & 28-01-2010, 01 & 02, 03 & 04-02-2010, 08 & 09-02-2010, 10 & 11-02-2010.

The training programme was attended by officials of State Agriculture department of Haryana. State extension officers from eleven cotton growing districts participated. A capsule of ten lectures i.e. five in Crop Improvement, two in Crop Production and three in Crop Protection technologies was provided. Special emphasis was made on emerging pest problems like mealy bug and its management. All the scientists of this Regional Station namely Dr. D.Monga, Dr.S.L.Ahuja, Dr.O.P.Tuteja, Dr.R.A.Meena, Dr.S.KVerma, Dr. Rishi Kumar and agronomist from KVK, CCSHAU, Sirsa/ KVK, Bhatinda were involved.

