
Project Coordinators Report

Introduction:

Cotton is the crop of Indian history, civilisation, commerce and industry and most important commercial crop contributing up to 70% of total raw material needs of textile industry in our country. Cotton research in India started way back in the year 1921, Indian Central Cotton Committee (ICCC) sponsoring cotton research schemes in the country. The Indian Council of Agricultural Research (ICAR) launched the All India Coordinated Research Project on Cotton (AICRP on Cotton) in the year 1967 with its Headquarters at Coimbatore (Tamil Nadu) to give new thrust and direction in terms of multi-disciplinary and multi-centre approaches to improve the cotton cultivars in the country with the active involvement of State Agricultural Universities across the cotton growing states. Currently, the AICRP on Cotton Project is in operation involving 21 participating centres from 16 State Agricultural Universities. The ICAR-Central Institute for Cotton Research (ICAR-CICR), Nagpur and its Regional Stations at Coimbatore and Sirsa provide basic research support and also take part in some of the strategic research and evaluation activities of the AICRP on Cotton. The ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT), Mumbai and its Regional units are closely associated with AICRP on Cotton project in assessing the fibre quality parameters of cotton cultivars under trial.

Major activities of these centres include development of varieties and hybrids best suited for different agro-climatic zones, development of viable and economical agro-techniques for realizing maximum yields from improved cultivars besides development of economic and effective pest and disease management practices under different agro-ecological conditions. In addition to the development of cotton production and protection technologies, AICRP on Cotton is actively involved in on-farm demonstrations of improved cotton production and protection technologies developed for effective and speedy dissemination of newer technologies to the farming community. From 2011-12 onwards Tribal Sub Plan - A special programme targeting the cotton farmers from Schedule Tribes communities to demonstrate improved cotton production technologies to improve the economic status of the tribal community. In addition, the cotton breeder seed production is also monitored through AICRP on Cotton.

Indian Cotton Scenario:

Low to moderate infestation pest along with suitable climate for cotton cultivation across the country coupled with improved technologies from public and private sectors, the cotton production in the country is expected to touch the all-time high of 400 lakh bales of 170kg in the year 2014-15. Though the productivity decreased from 577 kg/ha last year to 537 kg/ha current year, the cotton production maintained around 400 lakh bales due to more area under cotton this year. Current year the area under cotton increased from 117.27 to 126.55 lakh ha which is 7.91% increase over last year. Gujarat and Maharashtra continued as leading cotton producing states in the country for the past 20 years. Also these two states occupy more than 50% of the cotton cultivation area in the country for several years.

Current year, the area under cotton and production is decreased in Punjab and Madhya Pradesh. Out of the total cotton production in the country, long staple cotton production was 77%, followed by medium staple cotton (20%) and short and ELS cotton (3%).



State wise cotton area (lakh ha) from 2005-06 to 2014-15

Area	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14p	2014-15p
Punjab	5.57	6.07	6.04	5.27	5.11	5.30	5.60	4.80	5.05	4.50
Haryana	5.83	5.30	4.83	4.56	5.07	4.92	6.41	6.14	5.66	6.39
Rajasthan	4.71	3.50	3.69	3.02	4.44	3.35	4.70	4.50	3.03	4.16
NORTH ZONE	16.11	14.87	14.56	12.85	14.62	13.57	16.71	15.44	13.74	15.05
Gujarat	19.06	23.90	24.22	23.54	26.25	26.33	29.62	24.97	26.91	30.06
Maharashtra	28.75	31.07	31.95	31.42	35.03	39.42	41.25	41.46	38.72	41.92
Madhya Pradesh	6.20	6.39	6.30	6.25	6.11	6.50	7.06	6.08	6.21	5.79
CENTRAL ZONE	54.01	61.36	62.47	61.21	67.39	72.25	77.93	72.51	71.84	77.77
Telangana										16.51
Andhra Pradesh	10.33	9.72	11.33	13.99	14.75	18.79	18.79	24.00	22.69	7.36
Karnataka	4.13	3.78	4.03	4.08	4.55	5.45	5.54	4.85	5.94	7.60
Tamil Nadu	1.40	1.00	0.99	1.09	1.04	1.22	1.33	1.28	1.39	0.70
SOUTH ZONE	15.86	14.50	16.35	19.16	20.34	25.46	25.66	30.13	30.02	32.1
Odisha			0.50	0.58	0.54	0.74	1.02	1.19	1.34	1.25
Others	0.79	0.71	0.26	0.26	0.21	0.33	0.46	0.51	0.33	0.31
TOTAL	86.77	91.44	94.14	94.06	103.10	112.35	121.78	119.78	117.27	126.55

State wise cotton production (lakh bales of 170 kg) from 2005-06 to 2014-15

Area	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14p	2014-15p
Punjab	20.00	24.00	20.00	17.50	13.00	16.00	17.50	18.50	18.50	11.50
Haryana	12.00	15.00	15.00	14.00	15.25	14.00	23.00	23.00	21.00	22.00
Rajasthan	9.00	9.00	9.00	7.50	12.00	9.00	16.90	15.90	12.90	15.90
NORTH ZONE	41.00	48.00	44.00	39.00	40.25	39.00	57.40	57.40	52.40	49.40
Gujarat	89.00	103.00	110.00	90.00	98.00	103.00	118.80	89.80	120.80	121.80
Maharashtra	35.00	50.00	62.00	62.00	65.75	82.00	70.25	75.25	78.25	79.25
Madhya Pradesh	19.00	19.00	20.00	18.00	15.25	17.00	17.30	18.30	18.30	17.30
CENTRAL ZONE	143.00	172.00	192.00	170.00	179.00	202.00	206.35	183.35	217.35	218.35
Telangana										49.40
Andhra Pradesh	33.00	36.00	46.00	53.00	54.50	53.00	53.50	77.50	71.50	21.10
Karnataka	6.00	6.00	8.00	9.00	12.25	10.00	13.90	15.90	21.90	26.90
Tamilnadu	5.00	5.00	4.00	5.00	5.00	5.00	4.30	3.80	2.80	2.80
SOUTH ZONE	44.00	47.00	58.00	67.00	71.75	68.00	71.70	97.20	96.20	100.20
Odisha				1.50	1.00	2.00	3.45	3.95	3.95	3.95
Others	1.00	1.00	1.00	0.50	1.00	2.00	2.00	2.00	2.00	2.00
TOTAL	229.00	268.00	295.00	278.00	293.00	313.00	340.90	343.90	371.90	373.90
Loose cotton	12.00	12.00	12.00	12.00	12.00	26.10	26.10	26.10	26.10	26.10
GRAND TOTAL	241.00	280.00	307.00	290.00	305.00	339.10	367.00	370.00	398.00	400.00



State wise cotton Productivity (kg/ha) from 2005-06 to 2014-15

Area	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14p	2014-15p
Punjab	610	672	563	565	432	593	607	744	707	529
Haryana	350	481	528	522	511	587	690	719	721	665
Rajasthan	325	437	415	422	459	513	651	642	785	695
NORTH ZONE	433	549	514	516	468	571	651	704	730	633
Gujarat	794	733	772	650	635	686	700	633	783	707
Maharashtra	207	274	330	335	319	378	313	332	369	345
Madhya Pradesh	521	505	540	490	424	463	433	531	520	529
CENTRAL ZONE	450	477	522	472	452	498	471	452	537	498
Telangana										515
Andhra Pradesh	543	630	690	644	628	538	543	595	584	624
Karnataka	247	270	337	375	458	346	460	596	658	626
Tamilnadu	607	850	687	780	817	1003	831	797	611	1214
SOUTH ZONE	472	551	603	594	600	519	540	604	600	581
Odisha				440	315	471	583	571	507	544
India	472	521	554	524	503	513	512	525	577	537

Source : Estimate by CAB as on 13:10:2014 : p – Provisional

Since India is having a large domestic textile industry, the consumption of raw cotton by mills especially, textile mills and small scale spinning units had been continuously on the raise from the year 2005-06 and it is expected to consume 311 lakh bales in the year 2014-15. Due to surplus local production of raw cotton in the recent past particularly long staple cotton, the export of raw cotton also took momentum and on an average Indian exports 80 lakh bales for the past 10 years.

Cotton Balance Sheet (in lakh bales of 170 kg)

	2005-06	2006-07	2007-08	2008 - 09	2009 - 10	2010 - 11	2011 - 12	2012 - 13	2013-14p	2014-15
Supply										
Opening Stock	72.00	52.00	47.50	35.50	71.50	40.50	45.77	40.00	40.00	32.00
Cotton Production	241.00	280.00	307.00	290.00	295.00	339.00	367.00	370.00	398.00	400.00
Imports	5.00	5.53	6.38	10.00	7.00	2.38	7.51	14.59	10.80	7.00
Total supply	318.00	337.53	360.88	335.50	373.50	381.88	420.28	424.59	448.80	439.00
Demand										
Mill consumption	180.00	194.89	195.67	190.00	219.00	221.77	223.59	251.74	266.00	275.00
Consumption by SSI units	19.00	21.26	22.08	20.00	23.00	24.46	22.12	23.59	24.88	26.00
Non-mill consumption	20.00	15.88	19.13	19.00	17.00	13.38	5.00	7.83	8.00	10.00
Total consumption	219.00	232.03	236.88	229.00	259.00	259.61	250.71	283.16	298.88	311.00
Export	47.00	58.00	88.50	35.00	83.00	76.50	129.57	101.43	117.92	90.00
Total demand	266.00	290.03	325.38	264.00	342.00	336.11	380.28	384.59	416.80	401.00
Closing stock	52.00	47.50	35.50	71.50	40.50	45.77	40.00	40.00	32.00	38.00

Source: CAB Estimate as on 13.10.2014, p – Provisional,



World Cotton Scenario

World cotton production is estimated at 119.17 million bales of 480 lb in 2014-15 (USDA, January 2015). Cotton area decreased to the tune of 1.47 million ha compared to 2013-14. The early estimate of USDA indicates that India has displaced China and become the leading producer of cotton and also maintaining the largest area under cotton and second largest exporter of cotton next to United States. India also sustained the position of being the second largest consumer of cotton and is expected to consume 24 million bales in 2014-15. Australian cotton production was reduced to 50% due to drastic reduction in area under cotton. Higher productivity continued to maintain this year too in Australia, Brazil, China, Turkey and Mexico. Though the productivity reduced in United States, the production expected to increase from 12.91 to 16.08 million bales compared to last year. Import and export of raw cotton is likely to reduce worldwide in the current year. The import of raw cotton reduced from 40.58 to 33.99 million bales and export reduced from 40.72 to 33.99 million bales compared to last year. The leading raw cotton importer china expected to reduce from 14.12 to 7.00 million bales this year compared to last year however, likely to reserve raw cotton pool of 63 million bales this year, which is more than half of the current world raw cotton production.

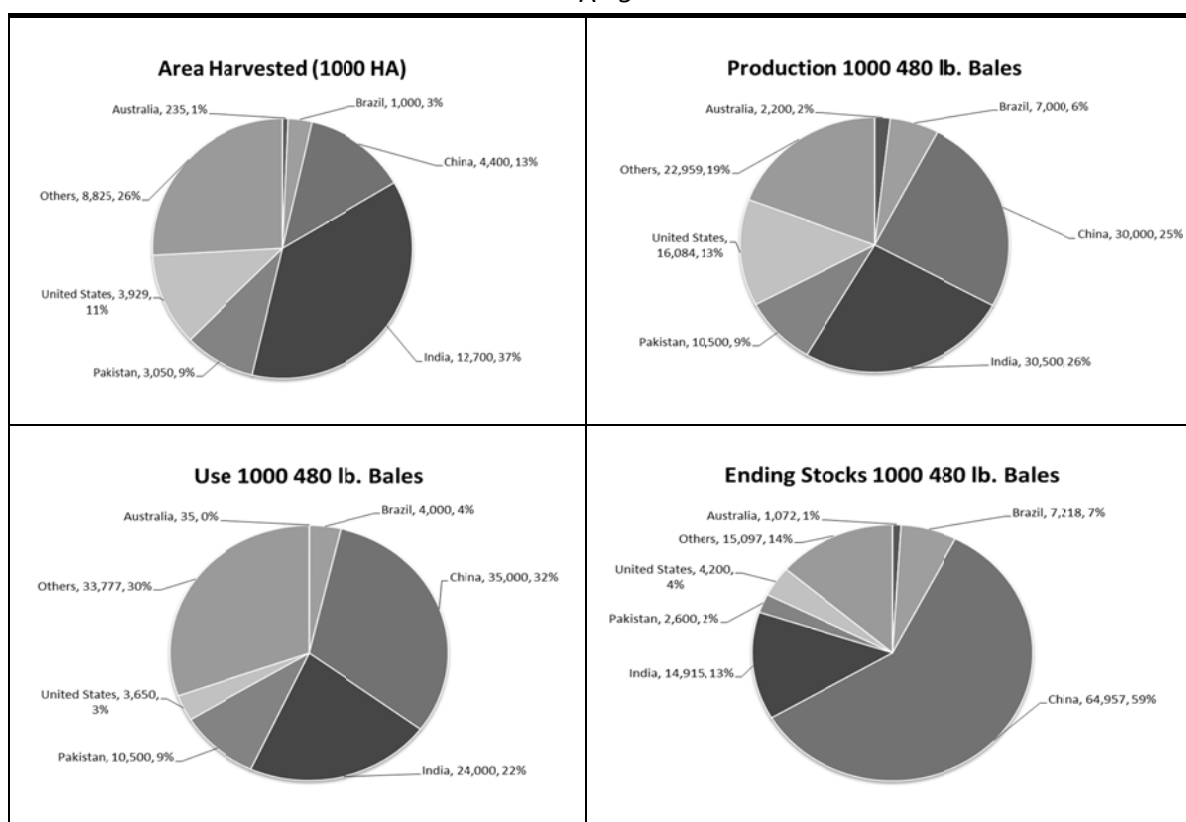
World Cotton Supply and Distribution: 2014-15

Country	Area	Production	Yield	Use	Imports	Exports	Total Supply	Ending Stocks
Argentina	520	1,125	471	775	20	400	2,092	917
Australia	235	2,200	2,038	35	-	3,000	4,007	1,072
Brazil	1,000	7,000	1,524	4,000	150	3,750	14,818	7,218
Burkina	640	1,325	451	15	-	1,175	1,570	380
China	4,400	30,000	1,484	35,000	7,300	50	100,007	64,957
Egypt	155	525	737	650	350	175	1,064	229
India	12,700	30,500	523	24,000	1,100	4,200	43,115	14,915
Mali	570	1,000	382	25	-	800	1,271	446
Mexico	180	1,220	1,476	1,850	900	150	2,695	670
Pakistan	3,050	10,500	750	10,500	750	600	13,725	2,600
Turkey	430	3,200	1,620	6,350	3,550	230	8,107	1,527
Turkmenistan	545	1,450	579	725	-	600	2,274	949
United States	3,929	16,084	891	3,650	10	10,700	18,544	4,200
Uzbekistan	1,285	4,000	678	1,500	-	2,250	5,248	1,498
World	34,139	119,243	760	110,962	34,402	34,423	255,353	110,059

Note: Area in 1000 ha; yields in kg/ha and quantity in 1000 bales of 480 lb.

Source: United States Department of Agriculture as on 29th March 2015.





Identification of Cotton Genotypes for Release

During the year 2013-14, seventeen cotton cultivars / hybrids have been identified by the Central Variety Identification Committee for various agro-climatic zones.

Cultivar	Species	Institution developed
TSH 0250	<i>G. hirsutum</i>	TNAU, Srivilliputhur
Swadeshi -651	<i>G. arb x G. arb</i>	Ankur Seeds
NACH 18	<i>G. arb x G. arb</i>	Nirmal Seeds
RHCb 011	<i>G. barbadense</i>	MPKV, Rahuri
RHH 0717	<i>G. hirsutum</i>	MPKV, Rahuri
CCH 2623	<i>G. hirsutum</i>	CICR, Coimbatore
H 1353	<i>G. hirsutum</i>	CCSHAU, Hisar
H 1316	<i>G. hirsutum</i>	CCSHAU, Hisar
F 2228	<i>G. hirsutum</i>	PAU, RRS, Faridkot
FMDH 9	<i>G. arb x G. arb</i>	PAU, RRS, Faridkot
AKA 2005-3	<i>G. arboreum</i>	PDKV, Akola
CSH 3129	<i>G. hirsutum</i>	CICR, Sirsa
GSB 39	<i>G. barbadense</i>	NAU, Surat
DHB 1071	<i>G. hir x G. bar</i>	UAS, Dharwad
LD 949	<i>G. arboreum</i>	PAU, Ludhiana
MRDC 233	<i>G. arb x G. arb</i>	Mahyco Seeds
SCS 793	<i>G. hirsutum</i>	UAS, Raichur



Breeder Seed Production

An effective maintenance of Nucleus and Breeder seed programme was undertaken by the concerned participating centres of AICRP on Cotton. The Breeder seed production in respect of National indent 2014-15 was taken up at different AICRP on Cotton centres and at ICAR-CICR, Regional Station, Coimbatore. The production was over and above the indent in almost all the locations.

Variety-wise Breeder Seed Production along with the year of notification

S.No.	Variety Name	Year	BSP I Allotment	Production
1	AAH-1 (DESI COTTON HYBRID-1) (F)	1999	0.21	0.60
2	AAH-1 (DESI COTTON HYBRID-1) (M)	1999	0.04	0.45
3	AKA-5 (AKH-605)	1983	2.00	3.00
4	AKA-7 (AKA 8307)	2001	2.00	2.50
5	AKA-8	2008	1.01	0
6	AKH-081	1988	1.20	1.00
7	AKH-8828	2008	0.01	0
8	Anusaya (NH-615)	2008	0.01	0.01
9	ARVINDA (NDL-2708)	2000	0.01	0.30
10	CICR-1 (CISA-310)	2010	0.01	0
11	CICR-3 (CISA 614)	2010	0.01	0
12	CNHO 12	2010	0.01	0.01
13	DDHC-11	2008	0.01	0
14	DHH-543(Suvidha)	2008	0.01	0
15	DLSA-17	2009	0.01	0
16	F 1861	2004	1.10	3.35
17	F-1054	1993	0.60	1.80
18	F-1378	1997	1.75	1.63
19	F-505	1987	0.65	0.10
20	F-846	1993	1.05	0.33
21	FDK 124	2011	0.21	1.50
22	G. Cot 19 (G.Am-31)	2000	0.01	0
23	H 1236	2010	0.01	0.10
24	H-1098	1997	1.51	4.50
25	H-1117	2002	0.01	0.25
26	H-1226	2007	0.01	0.11
27	H-1300	2012	0.01	0.24
28	HD 432	2010	0.71	2.75
29	HD-123	2000	4.00	8.00
30	HHH-223	2002	0.01	0.05
31	JAWAHAR KAPAS-3	1988	0.01	0
32	JAWAHAR KAPAS-4 (JK-4)	2002	0.01	0
33	Jawahar Kapas-5(JK-5)	2007	0.01	0
34	KC-3	2007	0.01	0.02
35	L-603	2000	0.01	0
36	L-604	2000	0.01	0
37	Lam Cotton Hybrid-7	2007	0.01	0
38	LH-1556	1996	0.20	2.00



Variety-wise Breeder Seed Production along with the year of notification (Contd.)

S.No.	Variety Name	Year	BSP I Allotment	Production
39	LH2076	2010	0.11	4.50
40	LRA-5166	1983	0.10	0.30
41	LUDHIANA DESI-327	1989	0.10	2.00
42	MCU-12 (TCH-1025)	2000	0.01	0.30
43	MCU-5 VT	1984	0.10	0.50
44	Moti (LMDH-8)	2007	0.01	0
45	Nandyal-1	2007	0.01	1.00
46	NH-452	1996	0.06	0.01
47	NH-545	2004	0.07	0.01
48	NH-615	2009	0.26	1.00
49	NHH-44 (BN-1)(F)	1985	0.05	0.03
50	NHH-44 AC-738R	1985	0.07	0.02
51	PA-402	2005	0.01	1.00
52	PARBHANI-316 (GANGA)	2000	0.01	0
53	PH-348 (Yamuna)	2005	0.01	0.02
54	Phule Dhanwantary (Rh. arb. 02-1)	2012	0.01	0.01
55	Phule LJA-794	2005	0.51	0.72
56	PHULE-492 (RHH-0492)	2002	0.01	0.01
57	Phule-688(RHC-688)	2010	0.01	0.01
58	PKHY-2 AK-32A	1983	0.02	0.40
59	PKHY-2 DHY-286R	1983	0.01	0.20
60	PST-9	1991	2.00	0
61	RAH-100	2009	0.01	0
62	RAHB-87	2009	0.01	0
63	RAHH-95	2009	0.01	0
64	RAHH-98	2009	0.01	0
65	RAJDH-9	2006	0.01	0
66	RAMPBS-155	2001	0.01	0
67	RAS 299-1	2008	0.01	0
68	RBDV-7 (Pratap Kapi-1)	2005	0.01	0
69	RG-18	2001	0.21	0.40
70	RG-8	1988	8.60	4.50
71	RS-2013	2002	0.41	0.75
72	RS-810	2001	0.41	0.40
73	Shresth (CSHH-198)	2005	0.01	0
74	Sumangala (CWROK 165)	2001	0.01	0.10
75	SURABHI (VRS-7)	1997	0.20	0.50
76	Suraj(CCH 510-4)	2008	0.01	0.50
77	SVPR 4	2010	0.01	0.02
78	SVPR-3	2000	0.01	0.02
	TOTAL		31.97	53.83



Front Line Demonstrations (FLD) under National Food Security Mission (NFSM) (Commercial Crops)

Since 1996-97 crop season, the All India Coordinated Research Project on Cotton has been conducting FLD on cotton through its network centers and by the Central Institute for Cotton Research and its regional stations in Coimbatore and Sirsa. The objectives of the program are demonstrating the usefulness of the latest improved crop production and protection technologies to the farmers, reducing the time gap between technology generation and its adoption, enabling the scientists to obtain direct feedback from cotton farmers and suitably reorient their research programmes to develop appropriate technology packages and creating effective linkage among scientists, extension personnel and farmers. Until 2013, these demonstrations were conducted on Production Technology, Integrated Pest Management and on Farm implements under Technology Mission on Cotton, Mini Mission II. During the year 2014-15, under National Food Security Mission (NFSM) (Commercial Crops), 205 Front Line Demonstrations on Integrated Crop Management on cotton, 90 Front Line Demonstrations on intercropping with cotton and 160 Front Line Demonstrations on Desi / ELS cotton / ELS cotton seed production were conducted by fourteen centres of All India Coordinated Research Project on Cotton with a budget outlay of 40.00 lakh rupees.

Centres conducted NFSM-FLD through AICRP on Cotton during 2014-15

S. No	Centres	FLDs on ICM		FLDs on Desi / ELS cotton / ELS cotton seed production		FLDs on Intercropping in cotton		Total amount allotted in Rs.
		A	C	A	C	A	C	
1	PAU, Faridkot	20	20	10	10	-	-	220000
2	HAU, Hisar	20	20	10	10	-	-	220000
3	RAU, Sriganaganagar	20	20	10	10	-	-	220000
4	NAU, Surat	10	10	10	10	10	10	220000
5	JAU, Junagadh	10	10	-	-	10	10	140000
6	JNKV, Khandwa	10	10	-	-	10	10	140000
7	PDKV, Akola	10	10	-	-	10	10	140000
8	MAU, Nanded	10	10	10	10	10	10	220000
9	MPKV, Rahuri	10	10	-	-	10	10	140000
10	Kanpur*	10	0	-	-	10	0	140000
11	UAS, Dharwad	10	10	20	20	10	10	300000
12	UAS, Raichur**	30	35	35	35	10	0	560000
13	UAS, Chamrajnagar	20	20	10	10	-	-	220000
14	TNAU, Coimbatore	10	10	20	20	10	10	300000
15	CICR, Coimbatore	10	10	25	25	10	10	340000
	PC cell							480000
	TOTAL	210	205	160	160	110	90	4000000

(A – No. of FLDs allotted in hectare; C – No. of FLDs conducted actually in hectares)

Changes in the Technical Program:* Kanpur centre could not continue the FLDs this year due to seed shortage and requested for revalidation of funds for next year; ** Raichur centres could not conduct the FLDs on Intercropping but conducted 5 additional FLDs in ICM



Evaluation of Cotton Leaf Curl Virus Disease (CLCuD)

Special sessions on 'Combating Cotton Leaf Curl Virus Disease – CLCuD' were organized during the last annual workshop of the All India Coordinated Research Project on Cotton workshop held at the Punjab Agricultural University, Ludhiana. Various recommendations were finalized including

- Hybrids categorized as 'Highly Susceptible' to CLCuD in the ICAR-CICR report based on the surveys conducted in 2013, should not be permitted for cultivation during 2014 in leaf curl affected regions
- During 2014-15 *Kharif* season, all entries of varieties / hybrids should be tested for susceptibility to CLCuD in AICRP on Cotton coordinated field trials in 2 locations at Punjab, 2 locations in Haryana and one location in Sriganaganagar.
- The NSAI shall coordinate and ensure all the member companies to submit the seeds of 2 - 3 hybrids (out of the 250 approved hybrids by GEAC) for testing.
- The trials will be conducted every year for the results to be considered to restrict the cultivation of susceptible varieties/hybrids from the immediate subsequent year.
- Varieties/hybrids not tested under the coordinated trials shall not be permitted to be sold in the state.

During the current cropping season 2014-15, field trials was been laid out with 100 Bt Cotton hybrids and 50 pre-release hybrids at five centres of North zone- (Faridkot, Abohar, Hisar, Sirsa and Sriganaganagar) with two treatments- Normal date of sowing and late sowing.

The following committees were constituted during the meeting

Committee to formulate protocols for evaluation of CLCuD	Monitoring team
<p>Dr C.D. Mayee, Former Chairman, ASRB, New Delhi. Chairman,</p> <p>Members Dr Sandhya Kranthi, Head, Division of Crop Protection, CICR, Nagpur Dr Beniwal, Professor (Plant Pathology), CCSHAU, Hisar Dr Joginder Singh, Rasi Seeds Dr Sameer Wadyalkar, Ankur Seeds Dr Dilip Monga, Head CICR (RS) Sirsa. Member Secretary</p>	<p>Dr K.R. Kranthi, Director, CICR, Nagpur, Chairman</p> <p>Members Dr Dilip Monga, Head CICR (RS), Sirsa, Shri A. P. Singh, Additional Commissioner (Crops), DAC, GOI Dr S.S. Siwach, Director of Research, CCSHAU, Hisar Dr Pankaj Rathore, Director, PAU, Faridkot Dr P.L. Nehra, Professor and PI (Agronomy) Director, DOCD, Mumbai Dr Satya Prakash, Shriram Bioseed Genetics Dr P. J. Kulkarni, Mahyco Dr Hari Prasada Rao, Nuziveedu Seeds Dr Pawan Kumar Kansal, Kohinoor seed Fields India Pvt Ltd. Dr Rishi Kumar, Senior Scientist (Ento), CICR (RS), Sirsa, Member Secretary</p>



Weekly advisory for cotton cultivation

With an active participation of scientists of AICRP on Cotton and ICAR-CICR, we have released periodical (weekly) advisory for cotton farmers in cotton cultivation for all cotton growing states along with weather report. The advisory include sowing recommendation, agronomical interventions, nutrient management, irrigation scheduling, pest and disease management. The advisory were uploaded at ICAR-CICR website (www.cicr.org.in).

Monitoring Committee report of AICRP on Cotton Trials

Four teams were constituted for monitoring of AICRP on Cotton and Bt Cotton Evaluation trials during the year 2014-15 cropping season. Suggestions/recommendations made by the team shall be discussed during the Annual Group Meeting for follow-up action. The brief report submitted by the committee has been presented.

Monitoring team	Date and Places visited	Brief Remarks
Dr S. Manickam, PI- Plant Breeding, Chairman Dr. Perane, Pathologist, MPKV, Rahuri, Dr. U. B. Hole, Entomologist, MPKV, Rahuri, Dr. A. Paslawar, Agronomist, Dr. PDKV, Akola	North Zone : CCSHAU, Hisar, CICR, Sirsa, ARS, Sriganaganagar, PAU, Faridkot and Bhatinda.	All the experiments were conducted as per protocol at CCSHAU, Hisar, CICR, Sirsa, ARS, Sriganaganagar, PAU, Faridkot and at Bhatinda. Whitefly incidence was very high and was above ETL all through the crop season in Hisar. Growth of cotton was satisfactory in other centres and crop was at boll bursting stage. In all the centres, many entries in Br-06a trial were found to be bushy and tall with very few bolls and were susceptible to CLCuD. Performance of most of the test hybrids was poor in North zone condition in all the centres. At Sriganaganagar, weeds were controlled better with Pre emergence herbicide Pendimethalin extra. Significant results of spraying growth regulators were not seen.
Dr. Pankaj Rathore, PAU, Faridkot, Chairman Dr. Aladakatti, Agronomist, UAS, Dharwad Dr. Satnam Singh, Entomologist, PAU, Faridkot Dr. Beniwal, Pathologist, CCSHAU, Hisar	Central Zone: Maharashtra (Nagpur, Akola, Nanded, Parbhani, Rahuri) and Odisha (Bhavanipatna)	CICR (Nagpur), MAU (Parbani and Nanded), Dr PDKV (Akola) MPKV, Rahuri and --- Bhawanipatna conducted the trails and all the trials were in good conditions Ankur Seeds P. Ltd. Conducted two trials, Br.5a (PHT) and Br.05a(HT) at Nagpur as per the protocol, Nuziveedu Seeds Ltd. conducted one trial, and Mahyco conducted three trials, Br.05a(PHT), Br.05a(HT) and Br.05b(PHT) at Jalna. And as per technical programme and in good conditions



<p>Dr P.L. Nehra, PI- Agronomy, Chairman</p> <p>Dr.M.Gunasekaran, Prof& Head, TNAU, Srivilliputhur</p> <p>Dr.N.V.V.S. Durgaprasad, Sr.Entomologist, ARS.Lam, Guntur</p> <p>Dr.Pradeep Kumar, Pathologist, Sriganaganagar</p>	<p>Central Zone- (03 to 08 Nov, 2014)</p> <p>Madhya Pradesh- Indore & Khandwa</p> <p>Gujarat- Surat & Junagadh</p> <p>Rajasthan - Banswara</p>	<p>All the centers conducted the trials as per the technical programme, the plant population and field sanitation was good. In two centres viz., Indore and Khandwa sowing of trial was delayed by one month due to late onset of South west monsoon. The trials were good and acceptable to draw valid conclusion.</p>
<p>Dr Dilip Monga, PI- Pathology, Chairman</p> <p>Dr. D. P. Saini, Prof (PBG), Banswara</p> <p>Dr. R. A Meena. Principal Scientist, CICR Regional Station Sirsa</p> <p>Sh. R. K. Kalyan, Assistant Entomologist, ARS, Banswara</p>	<p>South Zone- (11 to 21 Dec, 2014)</p> <p>Karnataka (Dharwad, Raichur)</p> <p>Andhra Pradesh (Nandyal & Guntur)</p> <p>Tamil Nadu (Coimbatore & Srivilliputhur)</p>	<ul style="list-style-type: none"> • As per the comments of the crop improvement member of the monitoring team, in HDPS trials, the recommended spacing was found to be inadequate as none of the entries have shown compact nature to fit the spacing in most of the places. • It was observed that large number of trials are conducted at some locations with only one scientist, for instance at Raichur location a total of fifteen breeding trials were allotted. In our opinion a discussion is needed on this aspect and there is a scope to reduce the number of trials based on needs and priorities and the energies of scientists can be focused on important thrust areas and breeding work. • Artificial screening facilities for entomology and plant pathology trials need to be strengthened at one centre in each state in consultation with authorities in the states. • Plant Pathologist / entomologists are not available at many centers and data on insects/diseases on those centers is not recorded. In such cases some of the important location specific observations are missed and varieties/hybrids are released without such data may cause problems in future.



Financial statement of AICRP on Cotton for the year 2014-15

S. No.	Name of the Centre	Allocation as per Budget Estimate (1255.00 Lakhs)		Allocation as per Revised Estimate (1100.00 Lakhs)				Total Distribution under Heads			
		Total	ICAR	Pay	Contg	TA	Total	Pay	Contg	TA	total
1	GUNTUR	113.3	85.0	78.0	1.5	0.3	79.8	88.0	2.3	1.0	91.3
2	NANDYAL	50.7	38.0	35.0	0.8	0.2	35.9	35.0	1.3	0.3	36.5
3	KANPUR	40.0	30.0	28.0	0.5	0.1	28.6	27.3	1.0	0.3	28.5
4	HISAR	102.7	77.0	70.0	1.5	0.3	71.8	70.5	1.0	0.3	71.8
5	KHANDWA	85.3	64.0	58.0	1.5	0.3	59.8	57.3	2.0	0.5	59.8
6	INDORE	34.7	26.0	24.0	0.5	0.1	24.6	23.8	1.0	0.3	25.0
7	JUNAGADH	60.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	NANDED	73.3	55.0	51.0	1.0	0.3	52.3	51.0	1.5	0.5	53.0
9	RAHURI	68.0	51.0	47.0	1.0	0.3	48.3	49.0	2.0	0.5	51.5
10	PUNE	20.0	15.0	14.0	0.3	0.1	14.4	10.0	0.0	0.0	10.0
11	BANSWARA	60.0	45.0	41.0	1.0	0.3	42.3	36.3	3.0	0.8	40.0
12	SURAT	124.0	93.0	85.0	1.5	0.3	86.8	91.8	4.0	1.0	96.8
13	BHAWANIPATNA	65.3	49.0	45.0	1.0	0.3	46.3	45.0	0.0	0.0	45.0
14	AKOLA	93.3	70.0	64.0	1.5	0.3	65.8	69.0	3.0	1.0	73.0
15	FARIDKOT	100.0	75.0	69.0	1.5	0.3	70.8	79.0	3.0	1.0	83.0
16	BHATINDA	66.7	50.0	46.0	1.0	0.3	47.3	46.0	2.0	0.5	48.5
17	RAICHUR	49.4	37.0	34.0	0.8	0.2	34.9	34.0	0.0	0.0	34.0
18	SRIGANGANAGAR	77.3	58.0	53.0	1.0	0.3	54.3	30.0	0.0	0.0	30.0
19	COIMBATORE	68.0	51.0	47.0	1.0	0.3	48.3	42.0	2.5	0.5	45.0
20	SRIVILLIPUTUR	66.7	50.0	46.0	1.0	0.3	47.3	41.0	2.5	0.5	44.0
21	DHARWAR	114.7	86.0	78.0	2.8	0.7	81.4	88.0	4.0	1.0	93.0
22	BANGALORE	40.0	30.0	20.0	1.0	0.3	21.3	2.0	0.0	0.0	2.0
24	Sub Total	1573.3	1180.0	1033.0	23.5	5.0	1061.5	1015.8	36.0	9.8	1061.5
25	PC Cell	75.0	75.0	10.0	18.5	10.0	38.5	10.0	18.5	10.0	38.5
26	Grand Total	1648.3	1255.0	1043.0	42.0	15.0	1100.0	1025.8	54.5	19.8	1100.0

Tribal Sub-Plan

Under Tribal Sub Plan Programme a sum of Rs. 7 lakhs was utilised to conduct exclusive training programme and dissemination of cotton production technologies to the tribal cotton farmers to improve their economic status.

S.No	Centres	Budget Allotted for TSP (Lakh Rs)
1	UAS, Raichur	3.00
2	SAU, Surat	3.00
3	PC cell, Coimbatore	1.00
	Total	7.00

