

Draft – subjected to approval of the Council;

PROCEEDINGS OF AICCIP ANNUAL GROUP MEETING: 2015-16
BREEDING PANEL
TNAU, Coimbatore

Date: 9th April, 2015

Chairman: Dr. K. Ganesamurthy, Director, CPBG, TNAU, Coimbatore
Co-Chairman: Dr. Suman Bala Singh, Head, DCI, CICR, Nagpur
Convener: Dr. S. Manickam, Principal Investigator, AICCIP (Plant Breeding),
Rapporteurs: Dr. K. Thiagu and Dr. S. Ganeshram, TNAU, Coimbatore

Dr. Ganesamurthy, in his introductory remarks spoke on the evolutionary importance of cotton and mentioned about the tetraploid evolution from wild diploids. He also lauded the ICAR contributions in the NARS for development of many national varieties of various crops including cotton. He insisted that the ICAR approach of AICRP should be transformed from trial mode to research mode. He also insisted that the AICRP programme should form networks in breeding for specific traits giving successful example in rice with special reference to stem borer, BPH, Blast and blight. Dr. Suman Bala Singh, in her remarks, mentioned that guidelines have been revised by ICAR and it is important for breeders to clearly mention the pedigree of varieties and the parental lines of hybrids at the initial stage of testing. She also insisted that the minimum of three checks should be included in all plant breeding trials.

Dr. S. Manickam requested the breeders to bestow ultimate care in producing breeder seed as per the DAC indent. The breeder seed production can be undertaken based on the DAC indent as per official website of DAC at www.seednet.gov.in and they need not wait for BSP I from the Project Coordinator. It is mandatory for the concerned breeders to produce indented seeds without fail.

Dr. Manickam, expressed concern that many centers such as Surat, Dharwad, Nanded, PAU, and RAU have not submitted proposals for identification of their recommended hybrids and varieties for Agronomy Trials to CVIC. He requested that the proposals should be submitted immediately after completion of the trials and other mandatory requirements.

While formulating the technical programme of the breeding trials, both national as well as zonal, for the year 2015-16 he requested the breeders to submit two packets of seeds (in case of varieties) in addition to the number of locations finalized in the panel for submitting to the Director, CICR, Nagpur and to NBPGR for long term storage of elite breeding materials.

Last date for submission of seeds at CICR, Coimbatore: 21/04/2015 before 4.00 PM
Issue of coded seeds: 24/04/2015 after 3.00 PM

Private R & D – Please pay the testing fee (@ Rs. 60,000 + **8400**/- Service Tax @ 14% per entry at national level) in the form of **Demand Draft drawn from any Nationalized Bank** drawn in favour of **Project Coordinator (Cotton Improvement) & Head** payable at Coimbatore while submitting the seeds. No entry shall be entertained without the submission of testing fee and R & D recognition by DST. The companies which have not updated the R & D recognition shall

update and submit a copy at the time of submitting the seed without which the entry shall not be included in the trial.

GENERAL POINTS TO BE NOTED

- ❖ The seed sponsored for breeding trials should be acid delinted and without any seed treatment and packed individually as indicated in the concerned trials. Fuzzy seeds and seeds treated with any coloured chemicals will be out rightly rejected during coding.
- ❖ **Each packet of seed must be securely packed and have name of the entry, trial name, quantity of seeds etc.**
- ❖ The senior scientists of the concerned state are requested to send the local check varieties / hybrids of those trials being conducted in the state / zone (including private R & D trials) without fail. **All the check varieties / hybrids should be packed separately and legibly labeled mentioning the name of the trial. The check seeds should not be mixed with the entry seeds.**
- ❖ The trials should be conducted strictly as per the technical programme **and no other entry should be included** in the trial (including the check varieties).
- ❖ All the trials should have at least one border row.
- ❖ The seeds harvested in both varieties and hybrids are to be sent to the Director for analyzing seed oil content.
- ❖ All the data sheets should have Name of the agency conducting trial, location of the trial (and not the location of the company) and the name of the trial.
- ❖ All those who are conducting the breeding trials are requested to furnish both the mean data as well as the replicated data analyzed statistically. The mean data is to be submitted as per the model data sheet given below as **Excel sheet and not as Word file.**

S. No.	Code#	SCY (kg/ha)	LY (kg/ha)	GOT (%)	Boll No	Boll Wt (g)	2.5 % SL	Mic	BS (g/tex)	Oil (%)	Biol. Yield (t/ha)
1	101										
2	102										
N	10n										
	CD@5%										
	CV %										

#Code numbers in ascending order; n=number of coded entries

- ❖ The data should be submitted separately in different Excel sheets for each trial, and the data of different trials are not to be combined in a single sheet.
- ❖ The incomplete and insufficient data will not be included in report preparation, and shall be reported to the higher officials for non compliance.
- ❖ **The lint samples pooled over replications should be prepared for all the entries from the first picked kapas**, cleaned neatly and labeled properly (mentioning the name of the agency conducting the trial, location of the trial, and code number in each packet of the lint sample) and sent to concerned CIRCOT centre (**National trials - CIRCOT unit at Nagpur, North Zone Trials – CIRCOT unit at Sirsa; Central Zone trials – CIRCOT Unit at Surat and South Zone – CIRCOT unit at Coimbatore**) for fibre quality evaluation in time (**on or before 30-12-2015**).
- ❖ The copy of the covering letter of lint sample submitted to CIRCOT must be communicated to the Principal Investigator (Plant Breeding) and to the Project Coordinator.
- ❖ **Kindly note that the last date for the receipt of the compiled data is 15-01-2016 (for north zone locations), 31-01-2016 (for central zone locations) and 15-02-2016 (for south zone**

locations). **Data (both hard copy as well as soft copy) received after the due date will not be included in the report.**

- ❖ All are requested to visit the website of CICR / AICCIP at www.cicr.org.in for any information, announcement etc. No communication in any respect will be sent individually.
- ❖ **All the breeders are requested to part 40g seed of varieties and 20 g of hybrids for Pathology / entomology observations and no separate packets will be given to pathologists / entomologists.**
- ❖ Seeds received in less quantity than the prescribed quantity will not be included in the trial.
- ❖ All the breeders of the varieties / hybrids recommended for agronomic trials are requested to submit the required quantity of **seeds directly to the concerned agronomists (and not to Project Coordinator)** and to keep track with the agronomists for getting the data on agronomy trial and to submit the lint samples for micro-spinning to CIRCOT, Mumbai.
- ❖ Release Proposals of new varieties / hybrids complete in all respects including agronomy data, microspinning data, endorsement by competent authority and other necessary particulars as per the standard format (copy available at www.cicr.org.in) shall be submitted to the office of the Project Coordinator (Cotton) **as informed in the website**. Incomplete proposals will not be put up by the Project Coordinator to the committee. The package of practice, morphological characters as per DUS test of varieties and in case of hybrids including the parents are to be submitted along with the proposals. **The copy of the concerned page of Breeding trial, Pest and disease reaction data of AICCIP report and CIRCOT fibre quality data should be appended.**

The chairman concluded the session with his remarks that the breeders should send their seed samples in time and follow all the recommendations / guidelines given by the PC unit for successful conduct of plant breeding trials during 2015-16.

NATIONAL TRIALS

Br. 02a - IET- *G. hirsutum* (IRRIGATED)

Design: RBD; Rows: 2 (6 m length); Reps: 3; Seed Qty: 120 g X 20+2

S. No	Name of Entry	Sponsor	Locations	LC (2 pkts)
1.	PBH 21	PAU, Bhatinda	SGNR	RS 2013
2.	PBH 29	PAU, Bhatinda	Hisar	H 1236
3.	F 2522	PAU, Faridkot	Faridkot	F 2228
4.	F 2532	PAU, Faridkot	Bathinda	F 2228
5.	HS 295	CCSHAU, Sirsa	Sirsa (C)	H 1236
6.	HS 296	CCSHAU, Sirsa	Kanpur	Vikas
7.	BS 1	OUAT, Bhawanipatna	Banswara	Wagad Kalyan
8.	BS 2	OUAT, Bhawanipatna	Khandwa	JK 4
9.	GSHV-172	NAU, Surat	Surat	G.Cot. 20
10.	GSHV-173	NAU, Surat	Talod	G.Cot. 20
11.	GJHV-517	JAU, Junagarh	Junagadh	G.Cot. 20
12.	GJHV-519	JAU, Junagarh	Rahuri	RHC 688
13.	RAH 1271	UAS, Raichur	Bhawanipatna	Surabhi
14.	RAH 1069	UAS, Raichur	Raichur	Sahana
15.	BGDS 1055	UAS, Bheemarayangudi	B'Gudi	Sahana
16.	BGDS 1033	UAS, Bheemarayangudi	Lam	L 604
17.	L – 799	ANGRAU, Lam	Coimbatore	MCU. 13
18.	TCH 1716	TNAU, Coimbatore	Srivilliputhur	SVPR. 4
19.	TCH 1824	TNAU, Coimbatore	Arabhavi	Sahana
20.	TSH 321	TNAU, Srivilliputhur	Chamrajnagar	Sahana
21.	TSH 322	TNAU, Srivilliputhur		
22.	CNH 147-1	CICR, Nagpur		
23.	CNH 126	CICR, Nagpur		
24.	CCH 15-1	CICR, Coimbatore		
25.	CCH 15-2	CICR, Coimbatore		
26.	CSH 2920	CICR, Sirsa		
27.	CSH 2932	CICR, Sirsa		
28.	CPD-1501	UAS, Dharwad		
29.	CPD-1502	UAS, Dharwad		
30.	ARBH-1501	UAS, Arabhavi		
31.	ARBH-1502	UAS, Arabhavi		
32.	RS 2797	ARS, Sriganaganagar		
33.	RS 2815	ARS, Sriganaganagar		
34.	H 1478	CCSHAU, Hisar		
35.	RB-601	ARS, Banswara		
36.	RB-602	ARS, Banswara		
37.	SHM-55	SIMA CDRA, Coimbatore		
38.	ZC (H 1300/ CNHO 12/Suraj)			
39.	Quality Check(F 2164/Suraj/Suraj)			
40.	LC			

Br. 02 b - IET- *G. hirsutum* (RAINFED)

Design: RBD; Rows: 2 (6 m length); Reps: 3; Seed Qty: 120 g X 10 + 2

S. No	Name of Entry	Sponsor	Locations	LC (2)
1.	BS 1	OUAT, Bhawanipatna	Banswara	Wagad Kalyan
2.	BS 2	OUAT, Bhawanipatna	Bharuch	G.Cot.16
3.	RAH 1271	UAS, Raichur	Indore	Vikram
4.	RAH 1069	UAS, Raichur	Akola	AKH 8828
5.	BGDS 1055	UAS, Bheemarayangudi	Nanded	NH 545
6.	BGDS 1033	UAS, Bheemarayangudi	Nagpur [C]	AKH 8828
7.	IH 11-10	RVSKVV, Indore	Dharwad	Sahana
8.	PH 1070	VNMKV, Nanded	Nandyal	Siva Nandi
9.	GBHV-198	NAU, Bharuch	Kovilpatti	KC 3
10.	GBHV-195	NAU, Bharuch	Perambalur	KC 3
11.	CPD-1551	UAS, Dharwad		
12.	CPD-1552	UAS, Dharwad		
13.	ARBH-1551	UAS, Arabhavi		
14.	ARBH-1552	UAS, Arabhavi		
15.	NDLH – 2005-4	ANGRAU, Nandyal		
16.	NDLH – 2028-2	ANGRAU, Nandyal		
17.	AKH-09-5	PDKV, Akola		
18.	H 1464	CCSHAU, Hisar		
19.	CNH09-9	CICR, Nagpur		
20.	CNH07-16	CICR, Nagpur		
21.	CNH 1122	CICR, Nagpur		
22.	CNH 1123	CICR, Nagpur		
23.	CCH 15-3	CICR, Coimbatore		
24.	CCH 15-4	CICR, Coimbatore		
25.	Quality Check (Suraj)			
26.	ZC (NH 615/ Sahana)			
27.	LC			

Br. 05 a - PHT- Intrahir-Hybrid

Design: RBD; Rows: 2 (6 m length); Reps: 3; Seed Qty: 100 g X 24

S. No	Name of Entry	Sponsor	Locations	Local Check (2)
1.	FHH 269	PAU, Faridkot	SGNR	Maru Vikas
2.	FHH 272	PAU, Faridkot	Faridkot	LHH 144
3.	HHH 496	CCSHAU, Hisar	Bhatinda	LHH 144
4.	CSHG 2911	CICR, Sirsa	Abohar (Bioseeds)	LHH 144
5.	RHH-1121	MPKV, Rahuri	Hisar	HHH 223
6.	RHH-1215	MPKV, Rahuri	Kanpur	CSHH 243
7.	GSHH-2737	NAU, Surat	Banswara	H 8
8.	GSGHH-630	NAU, Surat	Surat	G.Cot.Hy.12
9.	GJHH-5	JAU, Junagadh	Talod	G.Cot.Hy.12
10.	GJHH-7	JAU, Junagadh	Junagadh	G.Cot. Hy. 12
11.	GTHH-217	SDAU, Talod	Himmatnagar (Dhanlaxmi)	G.Cot.Hy.12
12.	RAHH 630	UAS, Raichur	Rahuri	Phule 492
13.	RAHH 671	UAS, Raichur	Nagpur (Ankur)	NHH 44
14.	BGDHH 632	UAS, Bheemarayangudi	Jalna (Mahyco)	NHH 44
15.	BGDHH 697	UAS, Bheemarayangudi	Gangapur (Ajeet)	NHH 44
16.	DHH-1501	UAS, Dharwad	Aurangabad (JK)	NHH 44
17.	ARBHH-1501	UAS, Arabhavi	Bhawanipatna	Bunny
18.	LAHH 28	ANGRAU, Lam	Lam	LAHH 5
19.	LAHH 29	ANGRAU, Lam	Coimbatore	Mallika
20.	Ankur 4252	Ankur Seeds	Srivilliputhur	Mallika
21.	ACH-152	Ajeet Seeds Ltd	B' Gudi	DHH 263
22.	MRC 7399	Mahyco	Raichur	DHH 263
23.	BCHH 7588	Bioseeds	Arabhavi	DHH 263
24.	25D14	Dhanlaxmi Crop Science	Dharwad (VRDC KSSC)	DHH 263
25.	JKCH 8665	JK Seeds		
26.	ZC (CSHH 198/ Ankur 651/ Bunny)			
27.	LC			

Br. 05 b PHT- Intrahir-Hybrid

Design: RBD, Rows: 2 (6 m length); Reps: 3; Seed qty: 100 g X 13

S. No	Name of Entry	Sponsor	Locations	Local Check (2)
1.	RAHH 630	UAS, Raichur	Indore	JK Hy 3
2.	RAHH 671	UAS, Raichur	Nanded	NHH 44
3.	BGDHH 632	UAS, Bheemarayangudi	Jalna (Mahyco)	NHH 44
4.	BGDHH 697	UAS, Bheemarayangudi	Aurangabad (Zuari)	NHH 44
5.	NHH 719	VNMKV, Nanded	Akola	PKV Hy 2
6.	CAHH-275	PDKV, Akola	Hansot	G.Cot.Hy.12
7.	DHH-1551	UAS, Dharwad	Dharwad	DHH 263
8.	DHH-1552	UAS, Dharwad	Raichur	DHH 263
9.	ARBHH-1551	UAS, Arabhavi	Garag (JK)	DHH 263
10.	ARBHH-1552	UAS, Arabhavi	Nandyal	LAHH 5
11.	GTHH-215	SDAU, Talod	Parigi (Nuzi)	LAHH 5
12.	ACH-151	Ajeet Seeds Ltd	Perambalur	Mallika
13.	NCS 5657	Nuziveedu	Kovilpatti	Mallika
14.	SCH 43	Super Agri Seeds		
15.	ZCH 508	Zuari Agri Science		
16.	JKCH 8905	JK Seeds		
17.	ZC (Ankur 651/ Bunny)			
18.	LC			

Br. 06 a – IET of Compact genotypes under irrigated condition

Design: R.B.D. Reps: 3 Rows: 3 Row Length: 6.0 m

Spacing: 60.0 cm X 15.0 cm (CZ&SZ); 67.5 X 10 cm (NZ)

Seed quantity: 300 g X 9+1

(One Local check will not be coded and has to be included with recommended spacing)

S. No.	Genotype	Sponsor	Location	Local Check (2)
1.	BS 30	OUAT, Bhawanipatna	Faridkot	F 2383
2.	GSHV 171	NAU, Surat	Hisar	H 1098-I
3.	GTHV-13/28	SDAU, Talod	Sriganganagar	RS 875
4.	RAHC 1017	UAS, Raichur	Talod	G. Cot. 20
5.	RAHC 1019	UAS, Raichur	Bhawanipatna	Suraj
6.	DSC-1501	UAS, Dharwad	Rahuri	Phule 688
7.	RS 2814	SGNR	Coimbatore	Suraj
8.	RS 2821	SGNR	Raichur	RAH 100
9.	TCH 1876	TNAU, Coimbatore	Lam	L 604
10.	H 1490	CCSHAU, Hisar		
11.	LHDP 1	ANGRAU, Lam		
12.	CNH 140-1	CICR, Nagpur		
13.	CNH 95-4	CICR, Nagpur		
14.	CCH 15-5	CICR, Coimbatore		
15.	CCH 15-6	CICR, Coimbatore		
16.	CSH-5038	CICR, Sirsa		
17.	CSH-6109	CICR, Sirsa		
18.	CSH-3158	CICR, Sirsa		
19.	DSC 1502	UAS, Dharwad		
20.	ARBC 1501	UAS, Dharwad		
21.	ARBC 1502	UAS, Dharwad		
22.	ANGC 1401	UAS, Dharwad		
23.	ANGC 1402	UAS, Dharwad		
24.	PBH 19	PAU, Bhatinda		
25.	LC (Coded at closer spacing)			
26.	LC at recommended spacing (Not Coded)			

Data to be recorded in the randomly selected plants in the middle three row plot

- | | |
|---|---|
| 1. Seed cotton yield (kg/ha) at 130 DAS | 10. Lint index (g) |
| 2. Seed cotton yield (kg/ha) at 160 DAS | 11. Seed index (g) |
| 3. Total Seed cotton yield (kg/ha) at 160 DAS (1+2 above) | 12. Ginning outturn (%) |
| 4. No. of bolls/m ² | 13. Fibre quality from pooled samples across the replication on 2.5% span length (mm), Micronaire and Bundle strength |
| 5. Plant height (cm) | 14. Pest and disease incidence by entomologists / pathologists before spraying |
| 6. Days to 1st boll bursting | |
| 7. No. of monopodia / plant | |
| 8. No. of sympodia / plant | |
| 9. Boll weight (g/boll) | |

Br. 06 b – Initial Evaluation of Compact genotypes under rainfed condition

Design: R.B.D. Reps: 3 Rows: 3 Row Length: 6.0 m

Spacing: 60.0 cm X 15.0 cm

Seed quantity: 300 g X 7+1

(One Local check will not be coded and has to be included with recommended spacing)

S. No.	Genotype	Sponsor	Location	Local Check (2)
1.	DSC-1551	UAS, Dharwad	Akola	AKH 8828
2.	RAHC 1017	UAS, Raichur	Nanded	NH 615
3.	RAHC 1019	UAS, Raichur	Indore	JK 4
4.	GISV -272	NAU, Surat	Surat	G.Cot.20
5.	GSHV-180	NAU, Surat	Kovilpatti	KC 3
6.	GTHV-13/32	SDAU, Talod	Nandyal	Siva Nandi
7.	AKH-780	PDKV, Akola	Dharwad	ARBH 813
8.	BS 30	OUAT, Bhawanipatna		
9.	CNH 131	CICR, Nagpur		
10.	CNH 09-7	CICR, Nagpur		
11.	CNH 1124	CICR, Nagpur		
12.	CNH 20	CICR, Nagpur		
13.	CNH 1560	CICR, Nagpur		
14.	CCH 15-7	CICR, Coimbatore		
15.	CCH 15-8	CICR, Coimbatore		
16.	ARBC 1551	UAS, Dharwad		
17.	DSC 1552	UAS, Dharwad		
18.	CNH 09-5	CICR, Nagpur		
19.	LHDP 1	ANGRAU, Lam		
20.	LC (Coded at closer spacing)			
21.	LC at recommended spacing (Not Coded)			

Data to be recorded in the randomly selected plants in the middle three row plot

1. Seed cotton yield (kg/ha) at 130 DAS
2. Seed cotton yield (kg/ha) at 160 DAS
3. Total Seed cotton yield (kg/ha) at 160 DAS (1+2 above)
4. No. of bolls/m²
5. Plant height (cm)
6. Days to 1st boll bursting
7. No. of monopodia / plant
8. No. of sympodia / plant
9. Boll weight (g/boll)
10. Lint index (g)
11. Seed index (g)
12. Ginning outturn (%)
13. Fibre quality from pooled samples across the replication on 2.5% span length (mm), Micronaire and Bundle strength
14. Pest and disease incidence by entomologists / pathologists before spraying

Br 12 a. IET OF *G. barbadense*

Design: RBD; Row: 2 (6 m length); Reps: 4; Seed qty: 75 g X 5+2

S. No	Name of Entry	Sponsor	Locations
1.	DB-1501	UAS, Dharwad	Surat
2.	DB-1502	UAS, Dharwad	Rahuri
3.	ARBB-1501	UAS, Arabhavi	Coimbatore
4.	ARBB-1502	UAS, Arabhavi	Dharwad
5.	CCB-11a	CICR, CBE	Lam
6.	CCB-44	CICR, CBE	
7.	Suvin (CC)		

Br. 15 a - PHT- Interspecific -Hybrid (hir x barb)

Design: RBD; Rows: 2 (6 m length); Reps: 3; Seed Qty: 150 g X 11

S. No	Name of Entry	Sponsor	Locations	LC (2)
1.	RHB-1008	MPKV, Rahuri	Anand	G.Cot.Hy.102
2.	RHB-1243	MPKV, Rahuri	Rahuri	Phule 388
3.	Ankur Nandini	Ankur Seeds	Banswara	DCH 32
4.	DHB-1501	UAS, Dharwad	Lam	DHB 915
5.	DHB-1502	UAS, Dharwad	Dharwad	DHB 915
6.	ARBHB-1501	UAS, Arabhavi	Coimbatore	TCHB 213
7.	ARBHB-1502	UAS, Arabhavi	Srivilliputhur	TCHB 213
8.	CCHB-54	CICR, Coimbatore	Raichur	DHB 915
9.	DCH 32 (CC)		Ranebennur (Ankur)	DHB 915
10.	LC		Chamrajnagar	DHB 915
11.			Dharwad (KSSC)	DHB 915

Br. 22 a/b IET-G. arboreum

Design: RBD; Rows: 2 (6 m length); Reps: 3; Seed Qty: 120 g X 16 + 2

S. No	Entry	Sponsored by	Locations	LC (2)
1.	FDK 259	PAU, Faridkot	SGNR	RG 8
2.	FDK 260	PAU, Faridkot	Faridkot	LD 694
3.	PBD 6	PAU, Bhatinda	Kanpur	RG 8
4.	PBD 17	PAU, Bhatinda	Bathinda	LD 694
5.	RG 778	ARS, Sriganaganagar	Hisar	HD 432
6.	RG 784	ARS, Sriganaganagar	Sirsa (C)	CISA 310
7.	JLA-0906	MPKV, Jalgaon	Khandwa	JK 5
8.	JLA-0804	MPKV, Jalgaon	Amreli	G.Cot.19
9.	PA 801	VNMKV, Parbhani	Akola	AKA. 8
10.	PA 812	VNMKV, Parbhani	Parbhani	PA 402
11.	AKA-209	PDKV, Akola	Jalgaon	JLA 794
12.	CISA 6-123	CICR, Sirsa	Nagpur (C)	AKA. 8
13.	GAM-235	JAU, Amreli	Dharwad	AK 235
14.	GAM-231	JAU, Amreli	Raichur	AK 235
15.	CNA-2023	CICR, Nagpur	Nandyal	Yaganti
16.	CNA 2019	CICR, Nagpur	Kovilpatti	K. 11
17.	CSA 2043	CICR, Sirsa		
18.	CSA 1028	CICR, Sirsa		
19.	CCA-2003	CICR, Coimbatore		
20.	NDLA - 3089	ANGRAU, Nandyal		
21.	NDLA - 3094	ANGRAU, Nandyal		
22.	RAAS 780	UAS, Raichur		
23.	RAAS 785	UAS, Raichur		
24.	BGDAS 759	UAS, Bheemarayangudi		
25.	BGDAS 749	UAS, Bheemarayangudi		
26.	DWDa-1501	UAS, Dharwad		
27.	DWDa-1502	UAS, Dharwad		
28.	ARBa-1501	UAS, Arabhavi		
29.	ARBa-1502	UAS, Arabhavi		
30.	HD 524	CCS HAU, Hisar		
31.	ZC (FDK 124/AKA 7/DLSa 17)			
32.	LC			

Br. 25 a/b PHT - Desi Hybrid

Design: RBD; Rows: 2 (6 m length); Reps: 3; Seed Qty: 100 g X 15

S. No	Name of Entry	Sponsor	Locations	LC (2)
1.	GSGDH-521	NAU, Surat	SGNR	RAJ DH. 9
2.	Swadeshi 9	Ankur Seeds	Faridkot	FMDH 9
3.	CISAA 14-31	CICR, Sirsa	Bhatinda	FMDH 9
4.	CISAA 14-32	CICR, Sirsa	Hisar	AAH 1
5.	NACH-436	Nirmal Seeds	Kanpur (I)	RAJ DH. 9
6.	AAH 37	CCSHAU, Hisar	Surat	G.Cot.MDH-11
7.	AKDH-101	PDKV, Akola	Amreli	G.Cot.MDH-11
8.	BDAA 011	Bioseeds	Bharuch	G.Cot.MDH-11
9.	LC		Pachora (Nirmal Seeds)	PDKVDH.1
10.	ZC (CISAA 2-NZ; NACH 12-CZ)		Akola	PDKVDH.1
11.			Parbhani	PDKVDH.1
12.			Nagpur (C)	PDKVDH.1
13.			Malkapur (Ankur)	PDKVDH.1
			Aurangabad (Bioseed)	PDKVDH.1
			Sirsa (C)	CICR-2

Br. 32b IET of *G. herbaceum*

Design: RBD; Rows: 2 (6 m length); Reps: 3; Seed Qty: 120 g X 5 + 2

S.No	Name of Entry	Sponsor	Locations	LC (2)
1.	GShv-300/11	NAU, Surat	Surat	GN.Cot.25
2.	GShv-293/11	NAU, Surat	Bharuch	GN.Cot.25
3.	GShv-332/11	NAU, Surat	Dharwad	Jayadhar
4.	GShv-280/11	NAU, Surat	Raichur	RAHS 14
5.	GBhv- 297	NAU, Bharuch	Viramgam	ADC 1
6.	GBhv- 299	NAU, Bharuch		
7.	GBhv- 301	NAU, Bharuch		
8.	2388/99	NAU, Bharuch		
9.	GBhv- 300	NAU, Bharuch		
10.	RAHS 811	UAS, Raichur		
11.	RAHS 812	UAS, Raichur		
12.	RAHS 813	UAS, Bheemarayangudi		
13.	RAHS 814	UAS, Bheemarayangudi		
14.	DWDh-1501	UAS, Dharwad		
15.	DWDh-1502	UAS, Dharwad		
16.	ANGh-1501	UAS, Annigeri		
17.	ANGh-1502	UAS, Annigeri		
18.	GVhv-655	AAU, Viramgam		
19.	ZC (G Cot 23/DDhc 11)			
20.	LC			

NORTH ZONE TRIAL

Br-03 a

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 200 g X 6

Entries promoted	Entries retained	Location	Local Check
HS 294	LH 2232	Sriganganagar	RS-2013
Shakti Sultan (SSGR105)	CSH 3088	Kanpur	Vikas
F 2501	F 2296	Faridkot	F 2228
RS 2765	Su-Flum	Bathinda	F 2228
PBH 13	ZC (H 1300)	Hisar	H 1236
CSH 3232	Quality Check (F 2164)	Sirsa – HAU	H 1236
	LC		

Br-05a

Design: RBD; Reps: 4; Rows: 4 (6 m length); Seed qty: 200 g X 6

Entries promoted	Entries retained	Location	Local Check
FHH 261	HHH 494	Sriganganagar	Maru vikas
HSHH 32	CSHH-2012	Bathinda	LHH 144
GTHH 215	ZC (CSHH198)	Faridkot	LHH 144
HHH 495	Local Check	Hisar	HHH 223
25D11		Sirsa (C)	CSHH 243
		Hanumangarh (Dhanlaxmi)	CSHH 243

Br-06a

Design: RBD; Reps: 4; Rows: 8 (6 m length); Seed qty: 500 g X 5

Spacing: 67.5 X 10 cm (NZ)

Entries promoted	Entries retained	Location	Local Check
RS 2727	H 1465	Sriganganagar	RS 875
RS 2734	RS 2718	Faridkot	F 2383
PBH 3	CSH 3178	Hisar	H 1098-i
CSH 3113	Local Check (Coded & Closer spacing)	Bhatinda	F 2383
CSH 73	Local Check (Recommended spacing)	Sirsa (CICR)	H 1098-i

(Data to be recorded – same as per National Trial)

Br-24 a

Design: 4; Reps: 5; Rows: 4 (6 m length); Seed qty: 200 g X 6

Entries promoted	Entries retained	Location	Local Check
CISA 6-2	LD 1026	Kanpur	CAD 4
HD 514	LD 1019	Sriganganagar	RG 8
RG 776		Hisar	HD-432
	ZC (FDK 124)	Faridkot	LD 694
	LC	Bhatinda	LD 694
		Sirsa (CICR)	CICR-3

CENTRAL ZONE TRIAL

Br-03 a

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 200 g X 5

Entries promoted	Entries Retained	Location	Local Check
GJHV 497		Surat	G. Cot 20
GJHV 510		Talod	G. Cot 20
SCS 1061	ZC (CNHO 12)	Junagadh	G. Cot 20
TCH 1806	LC	Rahuri	RHC 688
CCH 14-1	Quality Check (Suraj)	Bhawanipatna	Surabhi

Br-04 a

Design: RBD; Reps: 4; Rows: 8 (6 m length); Seed qty: 400 g X 4

Entries promoted	Entries Retained	Location	Local Check
TCH 1777	BGDS 1063	Surat	G. Cot 20
P 5430	CCH 11-2	Junagadh	G. Cot 20
GJHV-516	ZC (CNHO 12)	Rahuri	RHC 688
GSHV-164	LC	Bhawanipatna	Surabhi
GJHV 514	Quality Check (Suraj)		
CCH 12-2			

Br-05a

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 150 g X 9

Entries promoted	Entries retained	Location	Local Check
GTHH 215	RHH-1007	Surat	H 12
GJHH 4	RHH-1015	Talod	H 12
NCS 5657	SHH 818	Rahuri	Phule 492
RHH 1125	MRC 7388	Banswara	H 8
RHH 1112	ZC (Ankur 651)	Bhawanipatna	Bunny
	LC	Khandwa	JK Hy 1
		Jalna (Mahyco)	NHH 44
		Aurangabad (Nuziveedu)	NHH 44
		Junagarh	G. Cot. Hy. 12

Br-06a

Design: RBD; Reps: 4; Rows: 8 (6 m length); Seed qty: 500 g X 4

Spacing: 60. X 15 cm (CZ)

Entries promoted	Entries retained	Location	Local Check
GTHV 13/32	ARBC-1301	Talod	G.Cot.20
GISV 272	CCH 12-6	Bhawanipatna	Suraj
ANGC 1402	Local Check (Coded & Closer spacing)	Rahuri	Phule 688
GSHV 180	Local Check (Recommended spacing)	Banswara	Wagadkalyan
RAHC 1011			

(Data to be recorded – same as per National Trial)

Br – 13 a PVT *G. barbadense*

Design: RBD; Reps: 4; Rows: 4 (6 m length); Seed qty: 150 g X 3

Entries promoted	Entries retained	Location
CCB 29		Surat
CCB 36		Rahuri
ARBB 1401		Indore
ARBB 1402		
DB 1402	ZC (Suvin)	

Br. 14 a – CVT *G. barbadense*

Design: RBD; Reps: 3; Rows: 8 (6 m length); Seed qty: 300 g X 3

Entries promoted	Entries retained	Location
DB-1301	TCB 37	Anand
ARBB-1302		Rahuri
GSB 43		Indore
GSB-44	ZC (Suvin)	

Br-15 a

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 150 g X 4

Entries promoted	Entries retained	Location	Local Check
RHB 1123	RHB-1014	Banswara	G COT HB 102
DHB 1009	DHB-1301	Anand	G COT HB 102
ARBHB 1401	ZC (DCH 32)	Indore	DCH 32
RHB 1122	LC	Rahuri	Phule 388
DHB 1012			

Br-03 b

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 200 g X 5

Entries promoted	Entries retained	Location	Local Check
SCS 1061	IH 11	Bharuch	G Cot 16
GTHV 13/17		Akola	AKH 8828
GBHV 183	ZC (NH 615)	Indore	KH 2
RAH 1066	LC	Nanded	NH 545
SCS 1207	Quality Check (Suraj)	Banswara	Wagad Kalyan

Br-04 b

Design: RBD; Reps: 4; Rows: 8 (6 m length); Seed qty: 400 g X 5

Entries promoted	Entries retained	Location	Local Check
CCH 12-3	BGDS 1063	Bharuch	G Cot 16
		Akola	AKH 8828
	ZC (NH 615)	Indore	KH 2
	Local Check	Nanded	NH 545
	Quality Check (Suraj)	Banswara	Wagad Kalyan

Br-05 b

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 150 g X 4

Entries promoted	Entries retained	Location	Local Check
GTHH 217	NHH 715	Nanded	NHH 44
RAHH 909	DHH 1252	Akola	PKV Hy 2
ARBHH 1452	GSHH-2595	Indore	JK HY 2
SHH 902	SHH 808	Bharauch	G. Cot. Hy. 12
	ZC (Ankur 651)		
	LC		

Br-06b

Design: RBD; Reps: 4; Rows: 8 (6 m length); Seed qty: 500 g X 4

Spacing: 60. X 15 cm (CZ)

Entries promoted	Entries retained	Location	Local Check
ANGC 1451	DSC-1352	Akola	AKH 8828
GSHV 171		Nanded	NH 615
ANGC 1452		Nagpur (CICR)	AKH 8828
JK 35	Local Check (Coded & Closer spacing)	Surat	G.Cot.20
AKH 13-51	Local Check (Recommended spacing)		

(Data to be recorded – same as per National Trial)

Br-24 b

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 200 g X 5

Entries promoted	Entries retained	Location	Local Check
NDLA 3068	JLA-0614	Amreli	G Cot 19
PA 785	JLA 0603	Akola	AKA 8
	NDLA 3020	Jalgaon	JLA 794
	ZC (AKA 7)	Parbhani	PA 402
	LC	Junagarh	G Cot 19

Br-25 b

Design: RBD; Reps: 5; Rows: 4 (6 m length); Seed qty: 150 g X 7

Entries promoted	Entries retained	Location	Local Check
	NACH 433	Amreli	G Cot MDH 11
	AKDH-96	Khandwa	JK 5
		Akola	PKV Suvarna
		Jalgaon	JLA 794
	PKV DH 1 (ZC)	Parbhani	PKV Suvarna
	LC	Junagarh	G Cot MDH 11
		Pachora (Nirmal)	PKV Suvarna

SOUTH ZONE TRIAL

Br-03 a

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 200 g X 5

Entries promoted	Entries retained	Location	Local Check
GSHV 177		Arabhavi	ARBH 813
GJHV 497		Lam	L 604
ARBH 1401		Coimbatore	MCU 13
Shakti Sultan (SSGR105)	ZC (Suraj)	Srivilliputhur	SVPR 4
TSH 0533-1	LC	Raichur	ARBH 813
CCH 14-1			

Br-04a

Design: RBD; Reps: 3; Rows: 8 (6 m length); Seed qty: 400 g X 5

Entries promoted	Entries retained	Location	Local Check
TSH 04/115		Arabhavi	ARBH 813
GJHV-516		Lam	L 604
CCH 13-2		Coimbatore	MCU 13
CCH 12-2	ZC (Suraj)	Srivilliputhur	SVPR 4
HS 292	LC	Raichur	ARBH 813

Br-05a

Design: RBD; Reps: 3; Rows: 3 (6 m length); Seed qty: 150 g X 9

Entries promoted	Entries retained	Location	Local Check
NCS 5657	SHH 818	Raichur	DHH 11
LAHH 26	RHH-1007	Lam	LAHH 5
SHH 902	BGDHH 821	B' Gudi	DHH 11
RAHH 909	ZC (Bunny)	Srivilliputhur	Mallika
LAHH 25	LC	Coimbatore	Mallika
Ankur Suvarna		Warangal (Ankur)	DHH 11
		Dharwad (KSSC)	DHH 11
		Attur (Nuzi)	Mallika
		Chamrajnagar	DHH 11

Br-06a

Design: RBD; Reps: 3; Rows: 8 (6 m length); Seed qty: 500 g X 4

Spacing: 60. X 15 cm (SZ)

Entries promoted	Entries retained	Location	Local Check
GTHV 13/32	ARBC-1301	Coimbatore	Suraj
PBH 3	DSC-1302	Arabhavi	RAH 100
DSC-1402	DSC-1301	Lam	L 604
RAHC 1012	Local Check (Coded & Closer spacing)	Raichur	RAH 100
CNH 25	Local Check (Recommended spacing)		

(Data to be recorded – same as per National Trial)

Br – 13 a PVT *G. barbadense*

Design: RBD; Reps: 4; Rows: 4 (6 m length); Seed qty: 150 g X 3

Entries promoted	Entries retained	Location
CCB 29		Coimbatore (TNAU)
DB 1402		Dharwad
DB 1401		Lam
ARBB 1402	ZC (Suvin)	
ARBB 1401		

Br. 14 a – CVT *G. barbadense*

Design: RBD; Reps: 4; Rows: 8 (6 m length); Seed qty: 300 g X 3

Entries promoted	Entries retained	Location
DB-1301		Coimbatore (TNAU)
GSB-44		Dharwad
DB-1302		Lam
GSB 43	ZC (Suvin)	
ARBD 27		

Br-15 a

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 150 g X 6

Entries promoted	Entries retained	Location	LC
DHB 1009	DHB-1301	Dharwad	DHB 915
RHB 1122	RHB-1014	Raichur	DHB 915
ARBHB 1402		Coimbatore	TCHB 213
RHB 1123	LC	Lam	DHB 915
DHB 1012	ZC (DCH 32)	Dharwad (KSSC)	DHB 915
		Chamrajnagar	DHB 915

Br-03b

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 200 g X 4

Entries promoted	Entries retained	Location	Local Check
SCS 1061		Dharwad	ARBH 813
GTHV 13/17		Nandyal	Sivanandi
GBHV 188	QC (Suraj)	Aruppukottai	KC 3
SCS 1207	ZC (Sahana)	Perambalur	KC 3
GBHV 183	LC		

Br-04b

Design: RBD; Reps: 5; Rows: 8 (6 m length); Seed qty: 400 g X 4

Entries promoted	Location	Local Check
IH 11	Dharwad	ARBH 813
SCS 1062	Nandyal	Sivanandi
BGDS 802	Aruppukottai	KC 3
ZC (Sahana)	Perambalur	KC 3
LC		
QC (Suraj)		

Br-05b

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 200 g X 5

Entries promoted	Entries retained	Location	Local Check
GTHH 217	NHH 715	Dharwad	DHH 11
ARBHH 1452	SHH 818	Nandyal	LAHH 5
	ARBHH-1352	Aruppukottai	Mallika
	ZC (Bunny)	Perambalur	Mallika
	LC		

Br-06b

Design: RBD; Reps: 3; Rows: 8 (6 m length); Seed qty: 500 g X 3

Spacing: 60. X 15 cm (SZ)

Entries promoted	Entries retained	Location	Local Check
ANGC 1452	ARBC-1352	Perambalur	Suraj
ANGC 1451	SCS 1206	Nandyal	Siva Nandi
ARBC-1452	DSC-1351	Dharwad	ARBH 813
GSHV 171	CNH 1111		
DSC-1451	Local Check (Coded & Closer spacing)		
	Local Check (Recommended spacing)		

(Data to be recorded – same as per National Trial)

Br-24 b

Design: RBD; Reps: 3; Rows: 4 (6 m length); Seed qty: 200 g X 3

Entries promoted	Entries retained	Location	Local Check
AKA 2008-7	JLA-0603	Dharwad	AKA 235
DWDa 1402	PA 740	Nandyal	Yaganti
ARBa1401	GAM-198	Kovilpatti	K 11
GAM 219	ZC (DLSa 17)		
CNA 449	LC		

ENTRIES PROPOSED FOR AGRONOMY TRIAL

Zone	Species	Variety / Hybrid	Irrigated / Rainfed	Entries
North Zone	<i>G. hirsutum</i>	Hybrid	Irrigated	FHH 209, HSHH 31
	<i>G. hirsutum</i>	Variety	Irrigated	CSH 3075, F 2381
Central Zone	<i>G. hirsutum</i>	Variety	Irrigated	SCS 1062, GISV 267
		Variety	Irrigated	ARBC 19
		Hybrid	Irrigated	RHH 0917
	<i>G. barbadense</i>	Variety	Irrigated	DB 40
	<i>Hir x Barb</i>	Hybrid	Irrigated	RHB- 0812, RHB 0708
	<i>G. hirsutum</i>	Variety	Rainfed	SCS 1062, GBHV 180
		Variety	Rainfed	ARBC 64
		Hybrid	Rainfed	DHH 1251
South Zone	<i>G. hirsutum</i>	Variety	Irrigated	SCS 1062, BGDS 1063
		Variety	Irrigated	LH 2298, TCH 1705
	<i>G. barbadense</i>	Variety	Irrigated	DB 40, DB 39
	<i>Hir x Barb</i>	Hybrid	Irrigated	RHB 0812
	<i>G. hirsutum</i>	Variety	Rainfed	ARBC 64

All the breeders of the above varieties / hybrids are requested to submit 1.0 kg (variety)/0.5 kg (hybrid) of **seeds directly to the concerned agronomists (and not to Project Coordinator)** and to keep track with the agronomists for getting the data on agronomy trial and to submit the lint samples to CIRCOT from concerned location. The agronomists are requested to submit **6 kg of lint samples for full scale spinning directly to Director, CIRCOT, Mumbai**. Further, agronomists are requested to send the agronomic trials data to the concerned breeder in addition to the Principal Investigator (Agronomy) in time to facilitate the breeder to submit the release proposals before due date.