

10.8: Other Information

Director General, ICAR Visit



The Honorable DG Dr. S. Ayyappan visited the Central Institute for Cotton Research, Nagpur on 24.11.2012. He was accompanied by Dr. Swapan Datta, Deputy Director General (Crop Science), Dr. C.D. Mayee QRT Chairman, Dr S.K. Chattopadhyay, Director, CIRCOT, Mumbai and Dr. Dipak Sarkar, Director NBSS & LUP, Nagpur.

They visited the High Density Planting Field of Suraj in the institute and the DG expressed satisfaction at the effort made by CICR in popularizing an alternative technology to Hybrid cotton for resource poor farmers cultivating cotton on shallow and marginal soils of Vidarbha under rainfed conditions. An innovative experiment on the cultivation of ELS cotton during the off season was also highlighted. This was followed by a visit to the experiment on screening of released varieties for HDPS in which 11 new straight varieties and 2 Bt Hybrids were demonstrated under the HDPS system. Subsequently they visited the Bt 6 fields where growth regulators were being evaluated to modify the architecture to maximize yields. The DDG expressed the need to breed for compact varieties rather than

attempting to physically modify their architecture with the use of growth regulators. The trial on the standardization of agronomy of *G. arboreum* race *cernuum* (Comilla cotton) drew applause. The cotton picking machine prototype developed by Er. G. Majumdar was exhibited in the field. The visit to the breeding fields showcasing breeding material available with the Crop Improvement elicited a good response and the DG complimented the breeders for their efforts. However he desired that breeding material be stabilized into cultures. He stressed on the need to initiate talks with the private sector for enhanced public private partnership in the area of generation of Bt transgenic varieties for the benefit of cotton farmers.

The team visited the Wild species garden, the insectary and expressed satisfaction at the progress. Later the officials also interacted with the media. The DG also gave a patient hearing to the problems of temporary status labourers.

The Hon. DG inaugurated the Training Hall and the Tissue culture laboratory that were recently developed. Dr. Nandehswar Head I/C Biotechnology described the progress made in the area of cotton tissue culture. This was followed by an appraisal of work being carried out in Biotechnology. The team also visited the newly developed Marker Assisted Breeding Lab. They were shown the pest tolerant cultures with elite fibre properties developed by the Crop Protection Division for use under HDPS. He suggested that the concerned official be given an opportunity to present his work at the Director's conference. Dr D Blaise, Head Crop Production Division, CICR and Dr S.K Chattapadhyay made brief presentations on the activities being undertaken under Technical Assistance Programme for Africa.

Finally, the DG and DDG addressed the scientists in an interaction meet where inputs were sought from scientists for strengthening the research program under the 12th Five Year Plan.



Visits Abroad

- Dr. K.R. Kranthi, Director, CICR, Nagpur as a member of Indian delegation visited Brazil from 11-20 April, 2012. The objective of the visit was to study the system of cotton cultivation in Brazil and identify the practices, which can be of relevance for cultivation of cotton in India and can be incorporated to increase the productivity of cotton in India to at least the world average of 752 kg lint/ha. The delegation visited cotton growing farms in the main cotton growing States of Mato Grosso and Goias, in Brasilia and also interacted with the stake holders/officials/ groups engaged in cotton cultivation and its promotion in Brazil.



- Dr. Blaise Desouza, Principal Scientist (Agronomy) & Head, Division of Crop Production, CICR, Nagpur visited Vienna, Austria from 22-27 April, 2012 and convened session on cotton production practices impacts soil quality during European Geosciences Union General Assembly 2012". He presented paper on "Cotton production practices change soil properties" and also presented a poster paper on "Organic cotton systems improves soil properties".



- Dr. D. Monga, Head, CICR, Regional Station, Sirsa attended the launch program of Cotton Technical Assistance Program (Cotton TAP) for C-4 countries in Ouagadougou, Burkina Faso, Africa on May 28, 2012.

- Dr. Blaise Desouza, Principal Scientist (Agronomy) & Head, Division of Crop Production, CICR, Nagpur visited Uganda and Malawi to participate in the Cotton TAP launch workshop in Africa and assess training needs from 27 June to 04 July, 2012.

Library

Additions

In the period from 2012-13, the Library purchased 42 new books and subscribed to the Life membership of the Indian journal, *Current Science*.

Documentation Services

- Library has developed computerized bibliographic database on Cotton to provide comprehensive and updated information on cotton. About 4276 bibliographic references along with abstracts have been stored in it. Based on this bibliographic database the Library publishes a current awareness bulletin namely "COTTON RESEARCH ABSTRACTS". The Bulletin is circulated to all the scientists of the Institute and to all AICCIP Centers in India. In the reported period, four issues of COTTON RESEARCH ABSTRACTS (V26, (No. 1-4), January – December 2012) were published and circulated.
- The Library is actively participating in the E-Journal Consortium by responding regularly through E-mails and thus also receiving updates. More than 2000 on-line journals on agriculture and crop science are made available over the network through this consortium.
- Four user terminals installed in the Library have facilitated the users to access the databases uploaded in the Library Server. Users can also access the Internet on these terminals. Similarly the entire catalog of the library has been downloaded on these terminals for ease of use.
- The WebOPAC version of the Library software SLIM21 was updated and by using this Library Application Software, the entire catalogue of holdings of the Library (books and bound volumes) is available on all terminals within the Institute. By its virtue, the entire holdings and the catalogue of the Library are visible on the LAN terminals within the Institute by clicking on the following link. Library Catalogue Web-OPAC Link <http://dbserver/w27/>

Progressive Use of Hindi

Nagpur

Hindi Week

Hindi awareness fortnight was celebrated at CICR, Nagpur from 30.09.2012 to 16.10.2012 with great

enthusiasm. Various competitions were organized to encourage the staff members to show their potential in Hindi language. Dr. R.G. Dani, Vice Chancellor, Dr. PDKV, Akola graced the occasion as the Chief Guest and commended the level and spirit of participation in various events. The entire programme was organized under the leadership of Dr. K.R. Kranthi, Director, CICR and was ably coordinated by Dr. G. Balasubramani, Mrs. Mukta Chakrabarty, Dr. R.R. Gupta and Mr. Sachin Agnihotri.

Coimbatore

Hindi Activities

- In the month of September 2012, Hindi Week celebrations were held at CICR, Coimbatore. In view of this, various competitions like memory contest, Administrative usage of Hindi, Comprehension based Questions and General knowledge in Hindi were held for Scientists and Staff members. The Winners of these competitions were awarded on the Hindi Day celebration held on 14.9.2012 chaired by Sh. Hariganesh, Hindi Pradhypak, Hindi Teaching Scheme, Coimbatore.
- In the month of October' 12 committee members of Hindi Committee participated in various Hindi Competitions held by TOLIC in view of Hindi Month Celebrations at different Central Government Offices, Coimbatore.
- The Quarterly Reports and Half yearly Progress Reports were regularly prepared and dispatched to Head Quarters and TOLIC, Coimbatore for review of Progress on Hindi activities.
- The Scientist nominated for Hindi Prabodh Classes organized by Hindi Teaching Scheme, Coimbatore for the July-Nov' 2012 session has passed the same and nominated for next level exam viz., Praveen for Jan-May'13 session.



- On 30.10.2012, CICR, Coimbatore has been conferred the Third Prize by the Town Official Language Implementation Committee, Coimbatore for effective Hindi Implementation work among Govt. Offices Category for the year 2011-12 and the award was received by the Hindi cell convener during the Half yearly Meeting of TOLIC held at BSNL Community Hall, Coimbatore.
- The Technical Hindi-English Terminology has been prepared by the Committee and submitted for approval by the PC & Head for usage of Hindi by Staff members.

Exhibiting CICR technologies

All technologies developed at CICR, Coimbatore were displayed in a stall in the Exhibition conducted at 21st National Conference on Scientific Tamil held at Perur Tamil College, Coimbatore on 9th and 10th February 2013. The programme was coordinated by Dr (Mrs) S. Usha Rani, Senior Scientist (Agricultural Extension).



10.9: Weather

Nagpur

Month	Temperature (°C)		Relative Humidity (%)		Rainfall (mm)	No. of Rainy Days
	Max.	Min.	Max.	Min.		
June, 2012	38.8	28.0	62.5	37.3	62.0	6
July, 2012	30.5	24.2	89.4	74.1	356.0	17
August, 2012	29.4	24.0	90.2	78.7	184.0	13
September, 2012	32.3	24.0	88.5	63.0	184.0	9
October, 2012	33.0	18.5	77.0	44.3	15.0	1
November, 2012	30.5	14.6	74.2	37.3	10.0	1
December, 2012	30.2	12.2	76.2	27.1	0.0	0
January, 2013	28.2	11.7	70.4	38.1	0.0	0
February, 2013	32.1	15.8	68.3	31.0	15.0	1
Total					826	48

Coimbatore

Month	Temperature (°C)		Relative Humidity (%)		Rainfall (mm)	Normal Rainfall (mm)
	Max	Min	Max RH	Min RH		
Aug.2012	31.1	22.9	85.3	56.7	19.9	35
Sept. 2012	32.5	22.5	83.7	49.1	4.3	68.0
Oct. 2012	29.6	22.3	89.8	63.1	126.6	146.0
Nov. 2012	31.2	20.2	90.2	45.6	7.4	118.0
Dec. 2012	30.5	20.5	84.7	43.8	6.9	41.4
Jan.2013	31.3	18.6	85.0	35.0	0.0	14.0
				Total	165.1	387.4

Sirsa

Month	Temperature (°C)		Relative Humidity (%)		Rainfall (mm)	No. of Rainy Days
	Max.	Min.	Max.	Min.		
April 2012	37.4°	16.2°	83	18	13.2	2
May 2012	45.8°	18.8°	64	8	12.0	2
June 2012	45.4°	22.8°	71	8	11.0	3
July 2012	45.0°	28.4°	95	21	48.6	5
August 2012	38.6°	23.4°	95	41	119.4	7
September 2012	37.0°	21.0°	95	30	70.4	5
October 2012	36.4°	12.6°	90	23	11.2	2
November 2012	31.4°	7.2°	90	10	0.0	0
Total					285.8	26

10.10: Cotton Scenario

Details of state-wise cotton area, production and productivity are given below:-

State-Wise Cotton Area, Production and Productivity

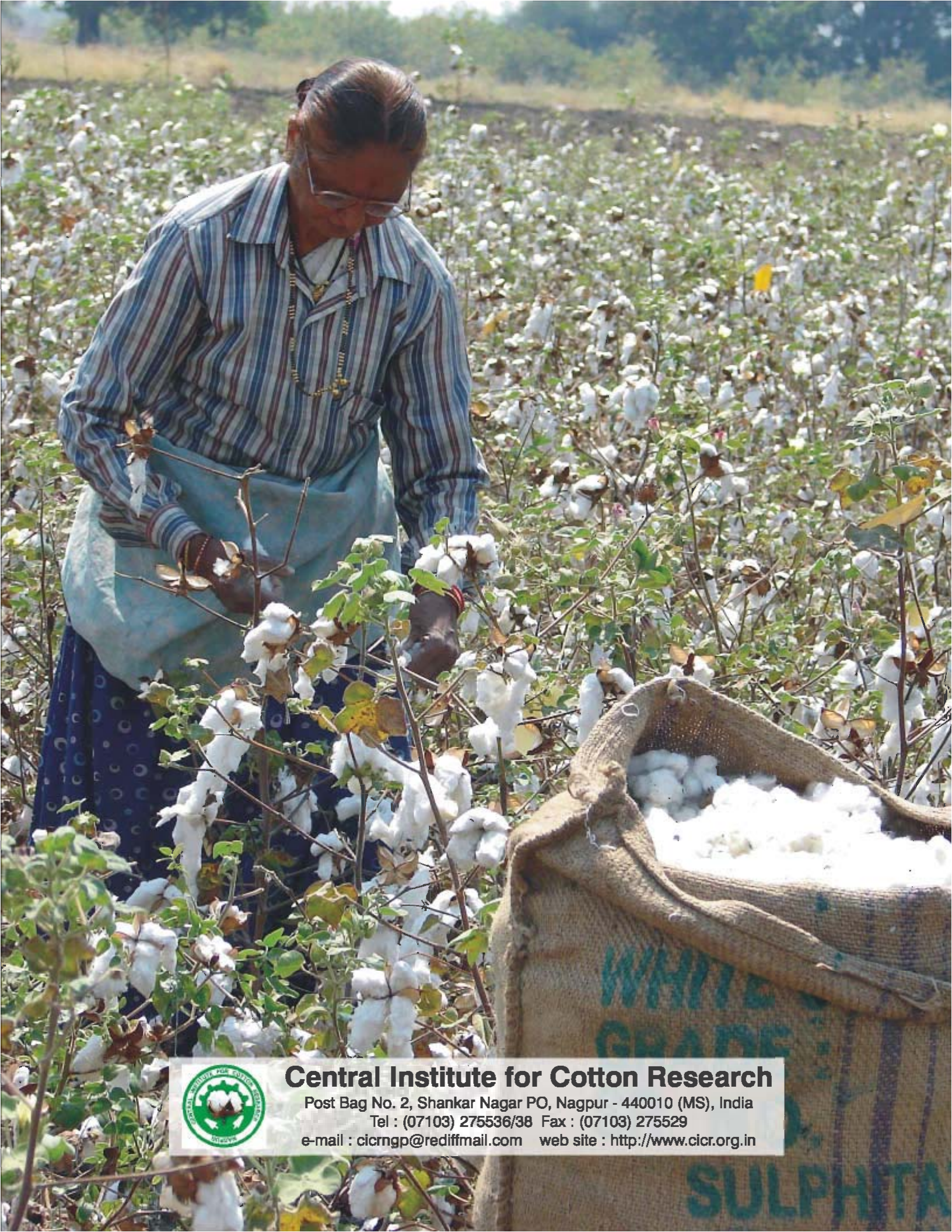
Zone/State	2011-2012 *			2012-2013 *		
	Area (Lakh ha)	Production (Lakh bales)	Productivity (kg/ha)	Area (Lakh ha)	Production (Lakh bales)	Productivity (kg/ha)
Punjab	5.60	18.50	561.61	5.06	20.00	671.94
Haryana	6.41	26.00	689.55	6.14	24.00	664.50
Rajasthan	4.70	17.50	632.98	4.50	16.00	604.44
North Zone	16.71	62.00	630.76	15.70	60.00	649.68
Gujarat	29.62	120.00	688.72	24.00	87.00	616.25
Maharashtra	41.25	74.00	304.97	41.46	74.00	303.42
Madhya Pradesh	7.06	18.00	433.43	6.08	18.00	503.29
Central Zone	77.93	212.00	462.47	71.54	179.00	425.36
Andhra Pradesh	18.79	56.00	506.65	22.69	76.00	569.41
Karnataka	5.54	14.00	429.60	4.85	13.00	455.67
Tamil Nadu	1.33	6.50	830.83	1.26	6.00	809.52
South Zone	25.66	76.50	506.82	28.80	95.00	560.76
Orissa	1.02	2.50	416.67	1.19	4.00	571.43
Others	0.46	2.00	739.13	0.50	2.00	680.00
Grand Total	121.78	355.00	495.57	117.73	340.00	490.95

1 bale= 170 kg.

Source : Office of the Textile Commissioner, Mumbai. * - As estimated by CAB in its meeting held on 17.04.2013







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