



## 11.9 OTHER INFORMATION

### 11.9.1 Library

**Additions :** The library procured 371 books, 56 scientific reports and bulletins, 36 reprints on cotton and subscribed 40 Indian and 22 foreign journals and CD-ROM database.

#### Documentation Service

##### Bibliographic database on cotton

Library has developed computerized bibliographic database on cotton to provide comprehensive and update information on cotton. About 2671 bibliographic references along with abstract have been stored in it.

Documentation Service such as Current Awareness Service, SDI service, Specific subject search service have been provided by sorting out the database. Using the database also brings out 'Cotton Research Abstracts' a documentation bulletin "Cotton Research Abstracts Vol. 18 (1-3) 2004.

##### Current Title Service

Library has provided current title service by subscribing current contents with abstracts on disk from I.S.I. Philadelphia.

##### CD ROM database Retrieval Service

Bibliographic information on cotton and other crops on various aspects are being retrieved and downloaded as per the demand. The following CD-ROM database were used to retrieve the information:

- 1) CABCD 1972-2002
- 2) CROPCD 1973-2004.
- 3) AGRICOLA 1975-2000
4. AGRIS 1975-2001
- 5) Biotechnology Abstracts 1975-2004.

##### Newspaper Clipping Service

Clippings on various aspects related to cotton from local and national newspapers have been compiled and made available for references.

##### Library Automation

Using library application software Slim<sup>++</sup>, 1918 books have been computerized and barcodes assigned for the same.

### 11.9.2 Participation in National Exhibition at New Delhi

CICR participated in a weeklong festival-cum exhibition on 'Biodiversity through Organic Products' at Delhi. The varied products originated from diverse cultures from various artisans were promoted for eco-friendly consumption. CICR depicted its exhibits through photographs on various cotton technologies of the institute for the benefits of students, professionals and farmers. The main attraction for the most of visitors was live samples of the cotton plants with full bursting, brought from CICR, Regional Station, Sirsa. More than 1000 visitors visited the exhibition site each day.

CICR participated in Science Expo – 2005 on the occasion of 92 Indian Science Congress held at Nirma University of Agriculture and Technology, Ahmadabad from 3-1-2005 to 7-1-2005 and in Agro-industry Exhibition organized at Pune on the occasion of 7<sup>th</sup> Agriculture Science Congress from 16-20<sup>th</sup> February 2005.

### 11.9.3 World Food Day

CICR celebrated World Food Day programme on the theme 'Biodiversity for food security' at its KVK adopted village Wakeshwar in Nagpur Tahsil of Nagpur district. Dr. Phnndan Singh, Director (Acting), CICR, chaired the function while Dr. Shyam Singh, Director, NRC for Citrus, Nagpur was the Chief Guest. More than 200 farmers, farm women and rural youths of Wakeshwar, Waranga and nearby villages covered under KVK attended the function.

### 11.9.4 Cotton Front-line Demonstrations

Cotton Front-Line Demonstration programme (FLDs) was carried out at farmers field of three villages Umari, Tungaon and Rampur in Warora Tahsil of Chandrapur district. Based on the preliminary technical knowledge of farmers, cotton FLDs were planned involving 50 farmers with the technological interventions *viz.*, integrated nutrient management in cotton, cotton based intercropping system (cotton + soybean), integrated pest and disease



management, foliar application of DAP and detopping for yield improvement, opening of ridges and furrows for moisture conservation, varietal trial of surabhi (*G. hirsutum*) and varietal trial of MB 120 (*G. hirsutum*). The inputs such as cotton seed, soybean for intercropping, rhizobium and azotobactor, sufala and zinc sulphate and other insecticides were made available to farmers and the crop was raised under supervision of FLD team members. Monitored cotton FLD interventions regularly and provided timely guidance. Under INM demonstration with reduced dose of fertilizers supplemented with the use of bio-fertilizer, the average seed cotton yield of 997 kg/ha was registered with the average increase of 19.54 percent seed cotton yield as against the farmers practice. The technological intervention cotton + soybean intercropping in comparison with sole cotton crop as well as soybean sole crop, an increase of profitability of 21.76 percent was observed with an average monetary returns of Rs.5250/ha. With application of complete IPM module an average increase of 14.46 percent was obtained as compared to sole dependence on insecticides, the average seed cotton yield of surabhi introduced for the first time in the area ranged between 625-1125 kg/ha with average seed cotton yield of 870 kg/ha.

#### 11.9.5 Progressive Use of Hindi

- Official Language Implementation Committee of CICR working under the Chairmanship of the Director, CICR met regularly. The meetings of the committee were held on 25.10.2004, 15.01.2005 and 29.03.2005 at CICR, Nagpur and 24.08.2004 at CICR, Regional Station, Sirsa and 10.12.2004 at CICR, Regional Station, Coimbatore. Proceedings of the Official Language Implementation Committee meetings held at Institute and quarterly progress reports regarding use of Official Language Hindi were sent to the Council regularly.
- CICR was notified in the Gazette of the Government of India under rule 10 (4) of the Official Language Rule 1976.
- Two video films in Hindi Language viz. IPM in cotton and commercial production of HNPV were produced by the Institute with the financial assistance rendered by the Govt. of India. A video film in Hindi language namely 'multiple uses of cotton' was produced by the institute under NATP.
- CICR celebrated Hind fortnight and organized various programmes and competitions during this fortnight and winners were awarded during the prize distribution function held on 14<sup>th</sup> September 2004.
- CICR Regional Station, Sirsa celebrated Hindi Week from 14.09.2004 to 18.09.2004 and CICR, Regional Station, Coimbatore celebrated Hindi Day on 10<sup>th</sup> December, 2004.
- *Kapas Samachar* (Quarterly Newsletters), *Kapas Pragati* (Annual) and *Shwet Swarnima* (Annual) were published.
- Official language Implementation Committee of Nagpur city awarded CICR, Nagpur for 'Shwet Swarnima', magazine in Hindi with citation and consolation prize for the year 2004-05.

#### 11.9.6 Visits Abroad

- Dr. KR Kranthi, Sr. Scientist (Entomology) visited Australia (Centre for Environmental Stress Adoption Research and Development of Genetics, La Trobe University) from 10<sup>th</sup> Feb. to 6<sup>th</sup> May 2004 for work on the molecular and biochemical aspects of insecticide resistance.
- Dr. Nandini Gokte-Narkhedkar, Sr. Scientist (Nematology) visited Beijing, China to participate in XV International Plant Protection Congress held at Beijing, China on May 11-16, 2004 and presented two-research papers.
- Sh. MK Meshram, Principal Scientist (Plant Pathology), Dr. Punit Mohan, Sr. Scientist (Economic Botany) and Dr. D Blaise, Sr. Scientist (Agronomy) were deputed to visit Uzbekistan on September 6-12, 2004 under the implementation of work plan for 2004 between India and Uzbekistan.





### 11.9.7 Technical Bulletins published

Title of the Technical Bulletin	Bulletin No.	Author (s)
Physiological disorders in cotton.	28	Dr. N.K.Perumal, Dr. K.B.Hebbar, Dr. M.R.K. Rao and Dr. P. Singh
Micro irrigation management in cotton	29	Dr. K.S.Bhaskar, Dr. M.R.K.Rao, Sh. P.N. Mendhe and M.R.Suryawanshi
<i>Kapus utpadan wadisathi panlot v koradwahu tantragyan</i>	30	Dr. S.M.Wasnik, Dr. K.S.Bhaskar, Sh.P.N. Mendhe and Sh. N.P.Barabde



## 11.10 Weather

### Nagpur

Month	Temperature (°C)		Relative Humidity (%)		Rainfall (mm)	No. of Rainy Days
	Max.	Min.	Max.	Min.		
June, 2004	38.1	26.7	64.0	41.0	151	11
July, 2004	34.1	25.1	81.2	57.9	136	10
August, 2004	29.8	23.4	89.0	73.8	322	12
September, 2004	33.7	23.8	87.0	58.5	38	4
October, 2004	33.4	18.6	76.3	31.3	4	1
November, 2004	31.7	15.1	69.9	30.8	-	-
December, 2004	29.7	12.0	67.4	29.2	-	-
January, 2005	28.1	13.3	74.9	42.7	113	4
February, 2005	31.7	15.8	63.0	29.3	8	2

### Coimbatore

Month	Temperature (°C)		Relative Humidity (%)	Rainfall (mm)	No. of Rainy days
	Max.	Min.	Max.		
August, 2004	31.5	22.1	85	27.0	3
September, 2004	31.6	22.3	88	96.9	7
October, 2004	29.9	21.7	91	288.8	15
November, 2004	28.3	20.8	91	155.8	9
December, 2004	29.5	18.3	89	0.4	-
January, 2005	30.6	19.0	88	9.8	1
February, 2005	32.6	18.8	84	0.5	-
March, 2005	34.4	22.2	86	46.2	3

### Sirsa

Month	Temperature (°C)		Relative Humidity (%)		Rainfall (mm)	Rainy days
	Max.	Min.	Max.	Min.		
April, 2004	39.2	19.4	41.8	29.4	-	-
May, 2004	39.7	24.3	50.3	32.5	37.1	2
June, 2004	37.8	22.0	61.8	45.6	27.2	3
July, 2004	39.6	29.4	61.5	45.8	-	-
August, 2004	34.3	26.5	80.8	64.6	50.6	3
September, 2004	35.8	24.7	73.5	57.5	-	-
October, 2004	31.8	18.7	73.0	46.3	4.6	1
November, 2004	29.0	10.9	65.8	28.2	-	-
December, 2004	23.1	7.4	77.3	36.5	8.6	1





## 11.11 National Cotton Scenario

State-wise area, production and productivity figures for the year of report and the preceding year are presented below:

Zone/State	2003-2004			2004-2005		
	Area (Lakh ha)	Prod. (Lakh bales)	P (kg/ha)	Area (Lakh ha)	Prod. (Lakh bales)	P (kg/ha)
<b>North Zone</b>						
Punjab	04.52	11.00	414	05.09	16.50	551
Haryana	05.26	11.50	372	06.21	15.50	424
Rajasthan	03.35	08.50	431	04.38	11.00	427
<b>Central Zone</b>						
Gujarat	16.47	50.00	516	19.06	73.00	651
Madhya Pradesh	05.75	19.50	577	5.76	16.00	472
Maharashtra	27.66	31.00	191	29.80	52.00	297
<b>South Zone</b>						
Andhra Pradesh	08.25	26.00	536	11.74	32.50	471
Karnataka	05.00	04.00	136	05.12	08.00	266
Tamil Nadu	01.03	03.50	578	01.42	05.50	658
Others	00.56	01.00	304	00.62	01.00	274
Loose cotton consumed but not counted for in State-wise prod.		11.00			12.00	
<b>Total</b>	<b>76.30</b>	<b>177</b>	<b>387</b>	<b>89.20</b>	<b>243.00</b>	<b>463</b>

Prod. = Production

P = Productivity

1 bale= 170 kg.

*Source* : Office of the Textile Commissioner, Mumbai.

