

## Other Information

### Library

**Additions :** The library procured 77 books, 40 scientific reports and bulletins, 37 reprints on cotton and subscribed 35 Indian and 30 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 2400 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.

#### 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 1972-200
- 2) CROPCD 1973-2004.
- 3) AGRICOLA 1975-2000
4. AGRIS 1975-2001
- 5) Biotechnology Abstracts 1975-2003.

### 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>, 1400 books have been computerized and barcodes assigned for the same.

### National Science Day

CICR celebrated 'National Science Day' on Feb. 28, 2004 on the theme 'Encouraging Scientific awareness in the community. Speaking on the occasion, Dr. Uday Mahurkar, Cardiologist, Nagpur and Chief Guest of the function narrated major risk factors associated with heart diseases and ways to prevent it. He exhorted the audience to take regular exercise, avoid smoking and mental stress to avoid heart related ailments. Dr P Singh, Director, CICR, presided over the function. A science quiz related to human health science was also organized.

### Cotton Front-line Demonstrations

The Cotton Front-Line Demonstrations programme (FLD s) has been implemented by a team of scientist consists viz. M.K.Meshram, Dr.S.M.Wasnik and Dr.R.K.Deshmukh at Tumagaon and Umari villages in Warora tashsil of Chandrapur district on 30 farmers field. Based on the preliminary technical knowledge of farmers cotton FLDs were planned with the technological interventions viz, Timely sowing of the crop, Opening of ridges and furrows at 30 DAS, Management of plant population,



Supplementing nutrient requirement with bio-fertilizer application, Balance use of nutrient, Cotton based inter-cropping system (cotton + soybean), Integrated pest and disease management, application of zinc sulphate, Use of DAP spray for controlling boll shedding. The inputs viz cotton seed, soybean for inter-cropping, rhizobium and azotobactor, sufala and zinc sulphate and other insecticides were made available to farmers and the crop was raised interventions wise. Clear-cut difference could be observed in respect of all technological interventions. The technological intervention cotton + soybean inter-cropping conducted at farmers fields

was highly appreciated. The demonstration fields also were visited by a number of farmers from neighboring villages. There was a remarkable yield improvement of FLD farmers as compared to their previous practices and also as compared to non-beneficiary farmers. The yield range was recorded between 5-12 q/ha. The percentage increase in yield was recorded in the range 15-56 % in various interventions. Kisan Mela in Tumgaon FLD village was also organized to enlighten the villagers about cotton production technologies. More than 300 villagers including farmers, rural youths, farm-women, etc attended the function.



**WEATHER****Nagpur**

Month	Temperature (°C)		Relative Humidity (%)		Rainfall (mm)	No. of Rainy Days
	Max.	Min.	Max.	Min.		
June, 2003	37.8	27.1	72	51	237	11
July, 2003	30.1	24.6	92	81	339	19
August, 2003	30.0	24.2	92	80	296	18
September, 2003	30.5	23.6	90	73	137	9
October, 2003	32.2	21.0	79	49	6	1
November, 2003	31.6	16.3	79	36	-	-
December, 2003	28.4	12.6	80	35	4	1
January, 2004	28.5	12.7	83	42	24	1
February, 2004	30.0	13.7	74	40	12	2

**Coimbatore**

Month	Temperature (°C)		Relative humidity (%)	Rainfall (mm)	No. of rainy days
	Max.	Min.			
August 2003	32.6	22.9	83	24.6	1
September 2003	33.3	21.9	85	13.6	1
October 2003	31.1	22.3	91	210.1	12
November 2003	29.1	21.1	90	99.2	5
December 2003	29.7	18.3	89	6.0	3
January 2004	30.7	19.0	86	10.0	1
February 2004	32.4	18.3	80	0	0
March 2004	35.8	20.8	81	0.5	0
April 2004	35.7	24.1	87	107.2	12

**Sirsa**

Month	Temperature (°C)		Relative humidity (%)		Rainfall (mm)	Rainy days
	Max.	Min.	Max.	Min.		
April 2003	37.6	20.6	64	36	-	-
May 2003	41.0	25.1	52	26	-	-
June 2003	40.9	25.8	57	38	24.2	-
July 2003	34.1	26.7	83	69	188.2	-
Aug. 2003	35.3	26.6	81	60	91.8	-
Sept. 2003	34.3	24.6	79	60	97.2	-
Oct. 2003	32.5	15.2	67	35	-	-
Nov. 2003	27.7	0.7	64	29	-	-





## NATIONAL COTTON SCENARIO

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

### State-wise cotton area, production and productivity

Zone/State	2002-2003			2003-2004		
	Area (Lakh ha)	Prod. (Lakh bales)	P (Kg/ha)	Area (Lakh ha)	Prod. (Lakh bales)	P (Kg/ha)
<b>North Zone</b>						
Punjab	4.25	8.00	320	4.52	11.00	414
Haryana	5.35	8.50	270	5.26	11.50	372
Rajasthan	3.33	5.00	255	3.35	8.50	431
<b>Central Zone</b>						
Gujarat	14.98	31.00	352	16.47	50.00	516
Madhya Pradesh	5.50	17.00	525	5.75	19.50	577
Maharashtra	26.17	26.00	169	27.66	31.00	191
<b>South Zone</b>						
Andhra Pradesh	9.00	21.50	406	8.25	26.00	536
Karnataka	3.62	06.50	305	5.00	4.00	136
Tamil Nadu	1.15	04.00	591	1.03	3.50	578
Others	0.53	01.00	395	0.56	1.00	304
<b>Total</b>						
Loose cotton consumed but not counted for in State-wise prod.		11.50			11.00	
<b>Grand Total</b>	<b>73.88</b>	<b>140.00</b>	<b>322</b>	<b>77.85</b>	<b>177.00</b>	<b>387</b>

Prod. = Production

P = Productivity

1 bale= 170 kg.

Source : Office of the Textile Commissioner, Mumbai.

