

COTTON REVIEW

DOMESTIC COTTON CROP SCENARIO

The first meeting of Cotton Crop Assessment Committee (CCAC) was held at Islamabad on 12.9.2018 under the Chairmanship of Federal Secretary for National Food Security & Research. The CCAC meeting after long discussion has revised downward cotton production at 10.847 million bales against the fixed target of 14.37 million bales, which is around 25 percent less than the target. Major reason of decline in production is assessed owing to around 31% decline in sowing area of Sindh during 2018-19 season as compared to previous season.

According to the report released by Pakistan Cotton Ginners Association as on 01st October, 2018, the seed cotton arrivals in to ginneries were recorded at 4,020,645 bales (Punjab=1,818,067 and Sindh= 2,202,578 bales) as compared to 3,991,247 bales in the corresponding period of last year (Punjab= 1,678,576 bales and Sindh= 2,312,671 bales) showing the increase of 0.74% over last year. Cotton crop both in Punjab and Sindh is progressing well, but there are reports of low quality cotton is produced in some districts of Punjab like Vehari, Sahiwal, Pak Pattan, Jhang and Toba Tek Singh. On the contrary, the quality of cotton is better in the districts of Rajanpur, D.G.Khan, Rahim Yar Khan and Muzzarfar Garh. Boll size in these districts of southern Punjab and upper Sindh getting increase due to which production of cotton may increase in this cotton belt. The pest incidences of whitefly, Jassid, Thrip, Mealy Bug and CLCV are reported in some districts of Punjab.

Table1: TARGETS FOR AREA AND PRODUCTION OF COTTON CROP 2018-19

S.No.	Province	Area (Million Hectares)	Production (Million Bales)
1.	Punjab	2.300	10.00
2.	Sindh	0.620	4.20
3.	Khyber Pakhtunkhwa	0.005	0.020
4.	Baluchistan	0.030	0.150
Total of Pakistan		2.955	14.370

Source: Federal Committee on Agriculture (FCA) meeting held on 10.4.2018

Table2: SOWING POSITION OF COTTON CROP 2018-19 SEASON

(Million Hectares)

Province	Area Sown			% Change Over	
	Target 2018-19	2018-19	2017-18	Target	Last Year
Punjab	2.300	1.947	2.053	84.6%	-5.2
Sindh	0.620	0.422	0.612	68.0%	-31.0
Balochistan	0.30	0.037	0.035	123.0%	+5.7
KPK	0.005	0.0002	0.00017	4.0%	+17.6
Pakistan	2.955	2.406	2.700	81.4%	-10.89

Source: Provincial Crop Reporting Departments.

Table-3: COTTON AREA & PRODUCTION TARGETS AND ACHIEVEMENTS

Province	AREA ('000' hectares)			PRODUCTION (Million Bales)		
	2016-17 Actual	2017-18 Target	2017-18* Achievement	2016-17 Actual	2017-18 Target	2017-18* Achievement
Punjab	1815	2420	2053.0	6.98	10.00	8.08
Sindh	637	650	612.0	3.60	4.00	3.77
KPK	0.200	1.00	0.174	0.00059	0.002	0.0005
Balochistan	37.00	38.00	35.49	0.095	0.038	0.092
Pakistan	2489.20	3109	2700.66	10.68	14.04	11.94

Source:- Provincial Crop Reporting Service Departments.

Table-4: SEED COTTON ARRIVALS AS ON 01st OCTOBER 2018

(Qty. in Bales)

Heads	2018-19 (Season)			2017-18 (Season)		
	Punjab	Sindh	Total	Punjab	Sindh	Total
Arrivals	1,818,067	2,202,578	4,020,645	1,678,576	2,312,671	3,991,247
Sales to Exporters	400	64,612	65,012	21,800	124,086	145,886
Sales to Textile Mills	1,323,754	1,668,107	2,991,861	1,275,214	1,684,825	2,960,039
Sales to T.C.P	-	-	-	-	-	-
Unsold Stock	207,787	49,373	257,160	179,087	66,838	245,925
Un-ginned Stock	286,126	420,486	706,612	202,475	436,922	639,397

Source: Pakistan Cotton Ginners Association.

Table-5: SEED COTTON PRICES (Monthly Averages) 2017-18 & 2018-19

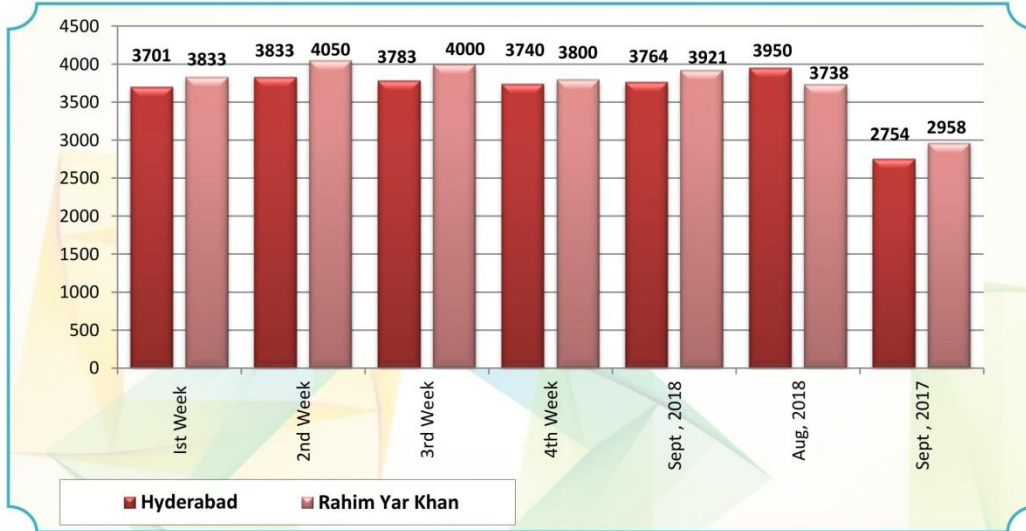
(Rs. per 40 Kg)

Months	Hyd	M.P. Khas	Khair Pur	Sukr	R.Y. Khan	Bahawal Pur	Vehari	Mian Channu	Sahiwal	Multan	Burewala
June 2018	3975	-	-	-	-	-	-	-	-	-	-
July 2018	4232	-	-	-	4240	-	-	-	-	-	-
August 2018	3950	3900	-	-	3738	-	3620	-	3704	-	3891
September 2018	3764	3810	3695	3716	3921	3665	3678	3606	3671	3602	3705
Average 2018-19	3980	3855	3695	3716	3966	3665	3654	3606	3688	3602	3798
June 2017	3154	-	-	-	3358	-	-	-	-	-	-
July 2017	3275	3182	-	-	-	-	-	-	-	-	3400
August 2017	2919	2909	-	-	3077	-	3031	2920	-	-	3034
September 2017	2,754	2,785	-	-	2958	-	2903	2828	-	-	2859
October 2017	2,762	2,849	2,978	3,029	3,103	3,024	3,097	3,021	2,918	2,889	3,069
November 2017	2,710	2,800	3,076	3,186	3,359	3,234	3,222	3,161	2,942	3,017	3,251
December 2017	-	-	3,138	3,267	3,358	3,188	3,208	3,079	2,858	3,067	3,168
January 2018	-	-	3,152	3,211	3,288	3,149	3,033	3,077	-	3,108	3,021
February 2018	-	-	-	-	2,704	-	2,521	-	-	-	2,546
March 2018	-	-	-	-	2,574	-	2,351	-	-	-	2,320
April 2018	-	-	-	-	2,586	-	2,175	-	-	-	2,325
Average 2017-18	2,929	2,905	3,086	3,173	3,037	3,149	2,838	3,014	2,906	3,020	2,899

Source: Market Report

Figure -I: SEED COTTON PRICES DURING SEPTEMBER, 2018

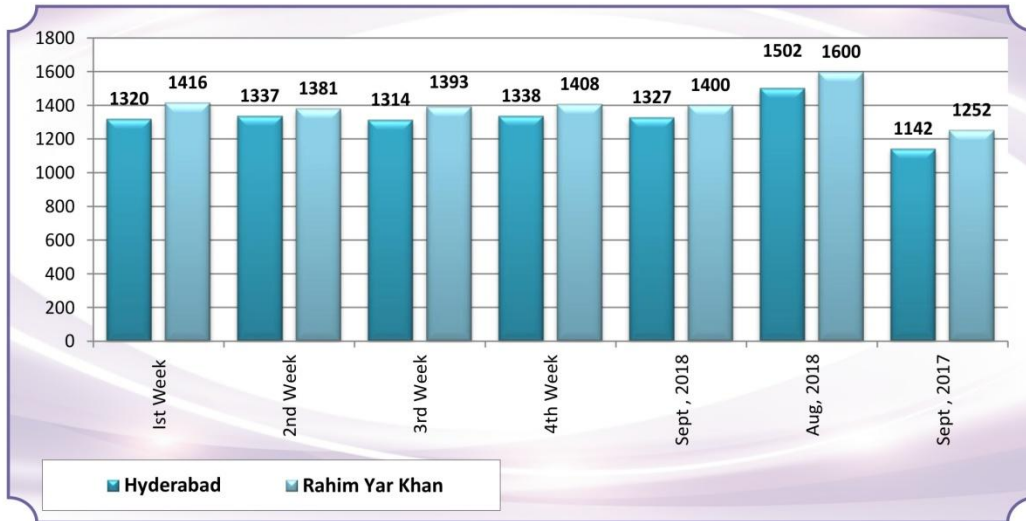
(Rs per 40 kg)



Source: Market Report.

Figure-II: COTTON SEED PRICES DURING SEPTEMBER, 2018

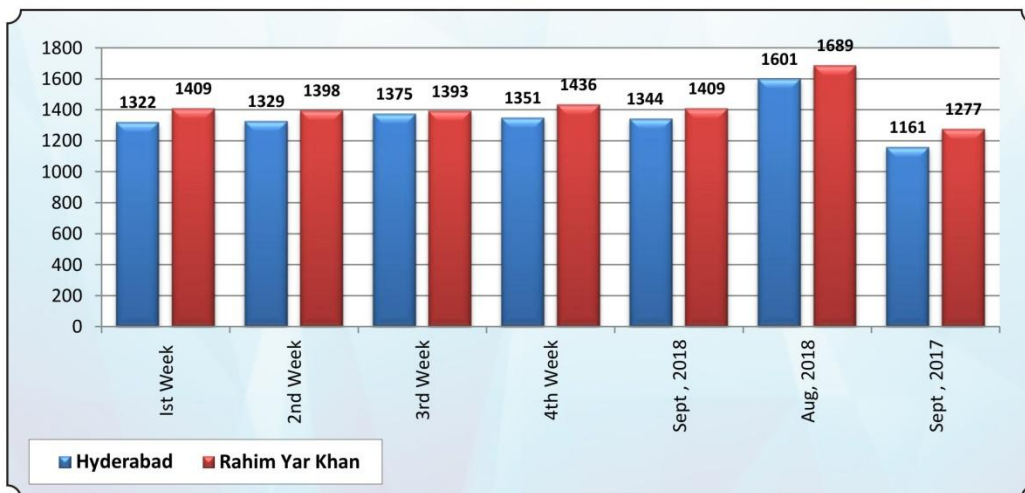
(Rs per 40 kg)



Source: Market Report

Figure-III COTTON SEED CAKE PRICES DURING SEPTEMBER, 2018

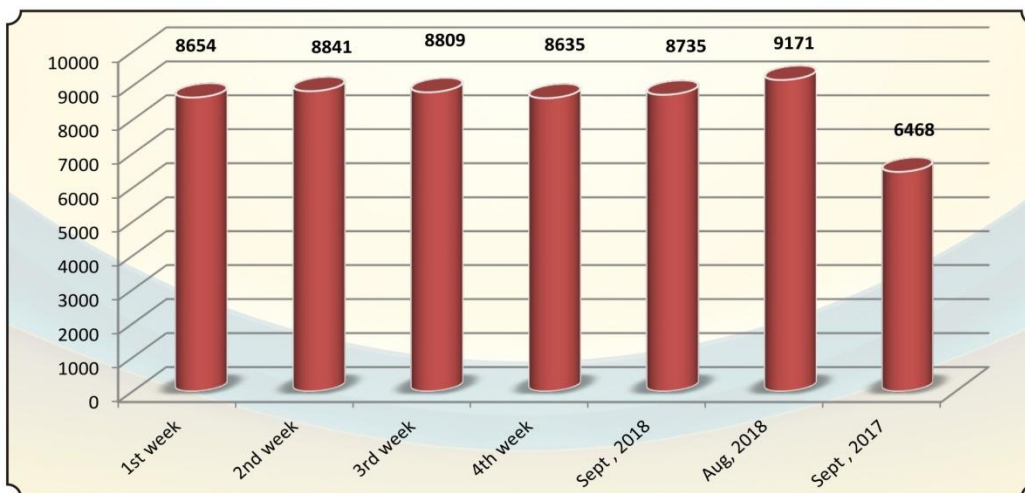
(Rs per 40 kg)



Source: Market Report.

Figure-IV: KCA SPOT RATE (EX-GIN) AT KARACHI DURING SEPTEMBER, 2018

(Rs per 40 Kg)



Source: The Karachi Cotton Association

The graph above indicates that the prices of raw cotton during the month of September, 2018 decreased to Rs.8,735 per 40 kg as compared to Rs. 9,171 in August, 2018. However, the prices in September, 2017 were recorded lower at Rs. 6,468 per 40 kg. Month-wise details are given in table below:

Table-6: MONTHLY AVERAGE PRICES OF RAW COTTON DURING 2017-18 & 2016-17

(Rs. per 40 kg)

Month	2017-18 Ex-Gin Rate	2016-17 Ex-Gin Rate
August2017	6650	7080
September,2017	6468	6450
October,2017	6570	6410
November,2017	6945	6469
December,2017	7397	6712
January,2018	8132	6872
February,2018	7531	7149
March,2018	7920	7245
April,2018	8004	7216
May,2018	7986	7227
June,2018	8075	7196
July,2018	9213	6653
Average 2017-18	7574	6890
August2018	9171	6650
September,2018	8735	6468
Average 2018-19	8953	6559

Source: Karachi Cotton Association.

Table 7: COTTON BALANCE SHEET DURING 2015-16, 2016-17 AND 2017-18

(Bale= 170 kg)

Sr. No.	Position	2015-16		2016-17		2017-18*	
		'000' Bales	'000' M/Tons	'000' Bales	'000' M/Tons	'000' Bales	'000' M/Tons
1.	Carryover	550	93	0	0	439	75
2.	Production	9917	1686	10670	1814	11940	2030
3.	Imports*	2453	417	2976	506	3589	610
Total		12920	2196	13646	2320	15968	2715
4.	Mill Consumption	12633	2147	13060	2220	14749	2507
5.	Exports*	287	49	147	25	208	35
6.	End Season Stocks	0	0	439	75	1011	173
Total		12920	2196	13646	2320	15968	2715

Source: i) Textile Commissioners Organization (Mill Consumption August, 2017-June, 2018).

ii) Pakistan Bureau of Statistics. (Imports & Exports)

iii) Provincial Agriculture Department. (Production)

*Provisional.

COTTON YARN PRICES

The Cotton Yarn prices of 21's and 30's count witnessed decreasing tendency during the month of September, 2018. The prices were recorded at Rs.1,490 and Rs. 1,696 per bundle of 4.5 kg respectively as compared to Rs.1,695 and Rs.1,832 per pound in previous month. However, the same counts in the corresponding month of the last year were recorded much lower at Rs. 1240 and Rs.1413 per bundle respectively. Details are given as below:

Table-8: DOMESTIC COTTON YARN PRICES DURING SEPTEMBER, 2018

(Rs. per bundle of 4.54 kg)

Count/ Week	W E E K				September 2018	August 2018	September 2017
	1	11	111	1V			
10/1	1323	1315	1250	1250	1285	1423	933
16/1	1448	1427	1414	1414	1426	1598	1174
21/1	1509	1490	1481	1481	1490	1695	1240
22/1	1540	1520	1520	1520	1525	1695	1265
26/1	1649	1637	1637	1637	1640	1741	1344
28/1	1710	1700	1700	1700	1703	1788	1350
30/1	1705	1693	1693	1693	1696	1832	1413
32/1	1710	1700	1700	1700	1703	1838	1380
40/1	2125	2100	2100	2100	2106	2275	1650
52/1	2225	2200	2200	2200	2206	2375	1700
60/1	2425	2400	2400	2400	2406	2575	1750
70/1	2575	2550	2550	2550	2556	2650	1850
20/2	1620	1600	1600	1600	1605	1743	1335

Source: Pakistan Yarn Merchants Association, Karachi.

Table-9 : EXPORTS OF TEXTILE GROUP COMMODITIES DURING AUGUST, 2018

(Value = Rs. In Millions)

Commodities	Unit	August 2018		July 2018		August 2017		% Change Over July 2018		July –August 2018		July –August 2017		% Change	
		Qty	Val	Qty	Val	Qty	Val	Qty	Val	Qty	Val	Qty	Val	Qty	Val
Raw Cotton	M.T	1493	296	570	112	4,521	812	161.9	164.29	2,063	408	5,268	916	-60.84	-55.46
Cotton Yarn	M.T	36,966	13,221	42,767	14,592	38,514	10,677	-13.56	-9.40	79,733	27,813	81,064	22,171	-1.64	25.45
Bed Wear	M.T	36,642	28,498	26,576	20,489	36,157	22,501	37.88	39.09	63,218	48,987	62,725	40,513	0.79	20.92
Towels	M.T	9,282	9,097	15,129	6,430	18,025	6,901	27.45	41.48	34,411	15,527	31,481	12,325	9.31	25.98
Cotton Cloth	Th.SQ	200,608	25,076	144,621	17,933	180,85	19,911	38.71	39.83	345,229	43,009	328,747	36,792	5.01	16.90
Synthetic Fiber	Th.SQ	17,560	3,512	11,961	2,452	24,168	2,837	46.81	43.23	29,521	5,964	48,224	5,312	-38.78	12.27
Knitwear	Th.DoZ	12,245	34,653	9,195	25,975	9,463	25,845	33.17	33.41	21,440	60,628	16,992	46,276	26.18	31.01
Readymade Garments	Th.DoZ	3,802	27,755	3,648	26,265	3,005	21,692	4.22	5.67	7,450	54,020	6,106	44,063	22.01	22.60

Source: Pakistan Bureau of Statistics, Karachi.

The table above shows that the exports of raw cotton and its related produce witnessed rising tendency except cotton yarn during the month of August, 2018. The raw cotton exports increased to 1493 metric tons valuing Rs.296 million as compared to 570 metric tons amounting to Rs.112 million in July, 2018. However, the exports in August, 2017 recorded much higher at 4,521 metric tons amounting to Rs.812 million, showing an increase of 161.93% in quantity and 164.29% in value over July,2018.

Table-10: IMPORTS OF TEXTILE GROUP COMMODITIES DURING AUGUST, 2018

(Value = Rs. In Millions)

Commodities	Unit	August 2018		July 2018		August 2017		% Change Over July, 2018		July-August, 2018		July-August, 2017		% Change	
		Qty	Val	Qty	Val	Qty	Val	Qty	Val	Qty	Val	Qty	Val	Qty	Val
Raw Cotton	M.T	7,126	1,827	23,630	5,072	1,729	341	-69.84	-63.9	30,756	6,899	16,864	3,255	82.38	111.95
Synthetic Fiber	M.T	22,737	5,620	22,864	5,841	21,543	4,752	-0.56	-3.78	45,601	11,461	41,485	10,120	9.92	13.25
Synthetic & Artificial Silk Yarn	M.T	25,398	6,869	21,735	6,042	28,888	6,242	16.85	13.69	47,133	12,911	55,945	12,431	-15.75	3.86
Worn Clothing	M.T	36,215	1,606	48,655	2,192	38,025	1,497	-25.57	-26.73	84,870	3,798	74,903	2,962	13.31	28.22
Other Textile Items	-	-	11,185	-	10,641	-	10,788	-	5.11	-	21,826	-	21,090	-	3.49

Source: Pakistan Bureau of Statistics, Karachi

The table above indicates that the imports of raw cotton during August, 2018 decreased to 7,126 metric tons amounting to Rs.1,827 million as compared to 23,630 metric tons valuing Rs.5,072 million in July,2018. Whereas the imports in August,2017 recorded much lower at 1,729 metric tons amounting to Rs. 341 million, showing decrease of 69.84 percent in quantity and 63.96 percent in value over July, 2018.

ECONOMICS OF COTTON AND COMPETING CROPS

Cotton a kharif crop, competes with rice, sugarcane and other crops for land, water and other farm resources in the area where the cultivation of all other crops is technically feasible. Mainly cotton faces indirect competition from sugarcane, the annual crop which keeps the land throughout the year. The farmer gives priorities and takes decision on the economics of cotton and competing crops on the basis of inputs-outputs prices paid and received. The estimation of the indicators, like gross cost, gross income, gross margin, net income, input-output ratio, etc may provide the useful sights to the growers at farm level. Details are presented in following table.

Table-11: ECONOMICS OF SEED COTTON AND COMPETING CROPS AT PRICES REALIZED BY THE GROWERS 2015-16 CROP

S. No.	Previous/ Crops/ Crop Combination	Output Input ratio	Gross Revenue Per		
			Rupee of Purchased inputs cost	Day of Crop Duration	Acre inch of irrigation water used
		Ratio	Rupees	Rupees	
	1	2	3	4	5
PUNJAB					
1.	Seed Cotton	1.03	3.06	239	2602
2.	Basmati Paddy	0.87	1.95	227	704
3.	IRRI Paddy	0.80	1.84	184	533
4.	Cotton + Wheat	1.04	2.98	235	2904
5.	Cotton + Sunflower	1.01	2.75	232	2219
6.	Sugarcane	1.25	3.96	237	1943
SINDH					
1.	Seed Cotton	1.16	3.71	250	3332
2.	IRRI Paddy	1.18	3.29	249	800
3.	Cotton + Wheat	1.12	3.41	238	3338
4.	Cotton + Sunflower	1.08	3.41	239	2509
5.	Sugarcane	1.28	3.89	232	1597

Source: API's Cotton Policy Analysis for 2015-16 Crop.

Table-12: EXPORT PARITY PRICE OF SEED COTTON ON THE BASIS OF ACTUAL AVERAGE EXPORT PRICE OF PAKISTANI COTTON

Sr. No.	Item	August, 2018
01.	Actual average export price per 40 Kgs	7930 (Rupees) or 72.44 (US Cents per Lb)
02.	Marketing expenses (export & purchase incidentals, insurance & financial expenses) per 40 kgs	425
03.	Ex-gin price of lint per 40 kgs (item 1-item 2)	7505
04.	Value of 80 Kgs of cotton seed (b)	3200
05.	Ginning charges for 120 Kgs of seed cotton	600
06.	Value of 120 Kgs of seed cotton (c) (item 3+4-item 5)	10,105
07.	Seed cotton price per 40 Kgs (item 6/3)	3,368

Notes:

- a) One US\$ = 124.14 Pak rupees.
- b) Average price of cotton seed for August, 2018 in Rahim Yar Khan market was Rs. 1600 per 40 Kg.
- c) 120 Kg of seed cotton = 80 kg of cotton seed + 40 Kg of lint.

Sources:

1. PBS for export prices.
2. KCA, Karachi for marketing expenses.
3. Pakistan Cotton Ginners Association, Karachi for ginning charges.
4. Directorate of Agriculture (E&M), Punjab, Lahore.
5. API's Cotton Policy Analysis for 2015-16 Crop.

Table-13 : IMPORT PARITY PRICE OF SEED COTTON ON THE BASIS OF ACTUAL AVERAGE CIF (KARACHI) PRICE OF IMPORTED COTTON

Sr. No.	Item	August, 2018
01.	Actual average cif (Karachi) Price, per 40 kgs	Rs.10,255 (Rupees) or 93.68 (US Cent per Lb)
02.	Handling charges at port and transport cost from port to textile mill at Karachi @ 5% of cif price	425
03.	Ex-gin price of cotton lint (item 1+ item 2)	10,680
04.	Value of 80 Kgs of cotton seed (a)	3200
05.	Ginning charges for 120 Kgs of seed cotton including ginning losses	600
06.	Value of 120 Kgs of seed cotton (item 3 + item 4 – item 5)	13,280
07.	Seed cotton price (item 6/3)	4,427

Note:

- a) Average price of cotton seed for August, 2018 in Rahim Yar Khan market was Rs. 1600 per 40 Kg.
- b) 120 kg of seed cotton = 80 kg of cotton seed + 40 kg of lint.

Sources:

1. PBS, for cif (Karachi price).
2. KCA, for incidental charges.
3. Pakistan Cotton Ginners Association, Karachi for ginning charges.
4. Directorate of Agriculture (E&M), Punjab, Lahore.
5. API's Cotton Policy Analysis for 2015-16 Crop.

REGIONAL COTTON SITUATION **1. CHINA**

Cotton area in China is expected to decline by 2% to 3.28 million hectares in 2018-19 as compared to 3.35 million hectares in 2017-18. With decrease in area, the production of cotton is estimated to decline by 1.5% to 5.800 million tons in 2018-19 as compared to 5.890 million tons in 2017-18. However, mill consumption is projected to increase by 0.5% to 9.246 million tons in 2018-19 as compared to 9.200 million tons in 2017-18. Ending stock in China are expected to fall to the lowest levels since 2011-12 to 7.1 million tons. Current projections are that China will import two million tons for mill use and reserve needs in 2018-19.

Table-14: CHINA SUPPLY AND DEMAND POSITION

(Million Metric Tons)

Heads	2014-15	2015-16	2016-17 Proj.	2017-18 Proj.	2018-19 Proj.
Beginning Stock	13.28	14.12	12.65	10.63	8.58
Production	6.60	5.20	4.90	5.89	5.80
Consumption	7.55	7.60	8.00	9.20	9.25
Import	1.80	0.96	1.10	1.28	2.00
Ending Stock	14.12	12.65	10.63	8.58	7.11

Source: Cotton this month October 01, 2018.

2. INDIA

Cotton area in India is project to decline by 2.5% to 11.9 million hectares in 2018-19 as compared to 12.9 million hectares in 2017-18 where yields and production were down due to pink boll worm infestation. Cotton production in India is expected to decline by 4.7% to 6.048 million tons in 2018-19 as compared to 6.350 million tons in 2017-18. Whereas, mill consumption is expected to remain stable in 2018-19. However, the exports are estimated to decline by 6% to 1.62 million tons in 2018-19.

3. INTERNATIONAL COTTON SITUATION 2018-19 

Global cotton area is expected to decrease by 2% to 33.4 million hectares in 2018-19 as compared to 34.13 million hectares in 2017-18. Based on lower area estimates, global production for 2018-19 is estimated to decline by 3.8% to 25.9 million tons as against 26.9 million tons in 2017-18. World cotton consumption is expected to increase by 2.6% to 27.6 million tons in 2018-19 as compared to 26.9 million tons in 2017-18. However, world exports and imports are projected to increase by 10 percent to 9.9 million tons in 2018-19. While the world ending stocks are projected to decrease by 8.5% to 17.2 million tons in 2018-19.

Table-15: WORLD COTTON BALANCE SHEET

(Million Metric Tons)

Heads	2014-15	2015-16	2016-17 Projected	2017-18 Projected	2018-19 Projected	% Change in 2018-19 over 2017-18
Beginning stock	21.33	22.97	20.31	18.80	18.80	0
Production	26.23	21.48	23.08	26.91	25.96	-3.53
Consumption	24.59	24.14	24.51	26.91	27.60	2.56
Exports	7.76	7.53	8.18	9.03	9.93	9.97
Imports	7.80	7.57	8.13	9.03	9.93	9.97
Ending Stock	22.97	20.31	18.80	18.80	17.16	-8.72

Source: Cotton this month October 01, 2018.

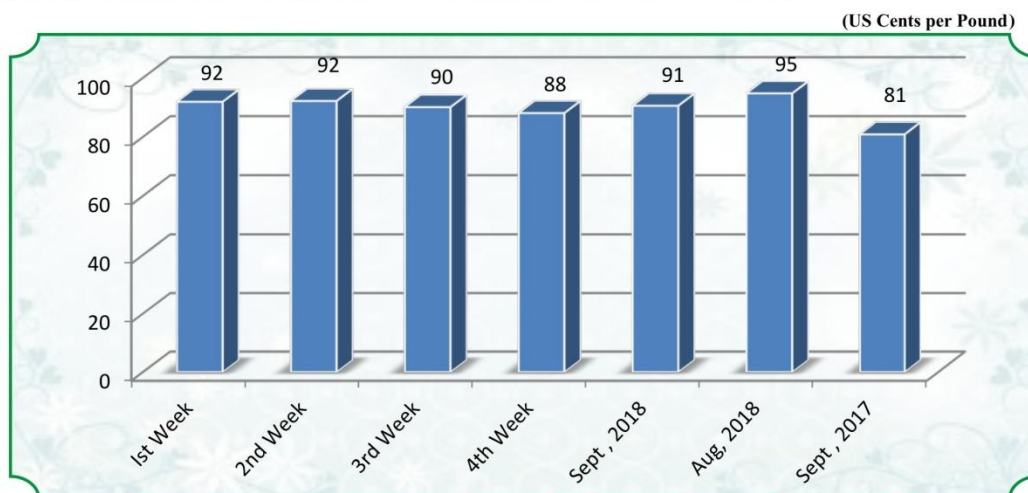
Table-16: COTTON PRODUCTION AND CONSUMPTION IN MAJOR COTTON GROWING COUNTRIES DURING LAST 5 YEARS

(Million Tons)

Countries	2014-15	2015-16	2016-17 Proj.	2017-18 Proj.	2018-19 Proj.
Production					
India	6.56	5.75	5.87	6.35	6.05
China	6.60	5.20	4.90	5.89	5.80
USA	3.55	2.81	3.74	4.56	4.29
Pakistan	2.30	1.54	1.66	1.80	1.75
Brazil	1.56	1.29	1.53	2.01	2.07
Uzbekistan	0.88	0.83	0.79	0.80	0.80
Others	4.77	4.07	4.59	5.51	5.21
World Total	26.23	21.48	23.07	26.91	25.96
Consumption					
China	7.55	7.60	8.00	9.20	9.25
India	5.38	5.30	5.15	5.20	5.25
Pakistan	2.47	2.15	2.15	2.35	2.35
Europe & Turkey	1.69	1.69	1.61	1.63	1.85
Vietnam	0.88	1.01	1.17	1.58	1.66
Bangladesh	1.20	1.32	1.41	1.66	1.81
USA	0.78	0.75	0.71	0.77	0.78
Brazil	0.80	0.66	0.69	0.72	0.76
Others	3.85	3.68	3.64	3.80	3.90
World Total	24.59	24.14	24.51	26.91	27.60

Source: Cotton this month October 01, 2018.

Figure-V: COTLOOK 'A' INDEX DURING SEPTEMBER, 2018



Source: Cotton Outlook.

The graph above indicates that 'A' index prices during September, 2018 slumped at 91.00 cents per pound as against 95.00 cents per pound recorded in previous month. However, the prices in September, 2017 were recorded lower at 81.00 cents per pound.

Table-17: MONTHLY AVERAGE PRICES OF "A" INDEX DURING 2017-18 & 2016-17

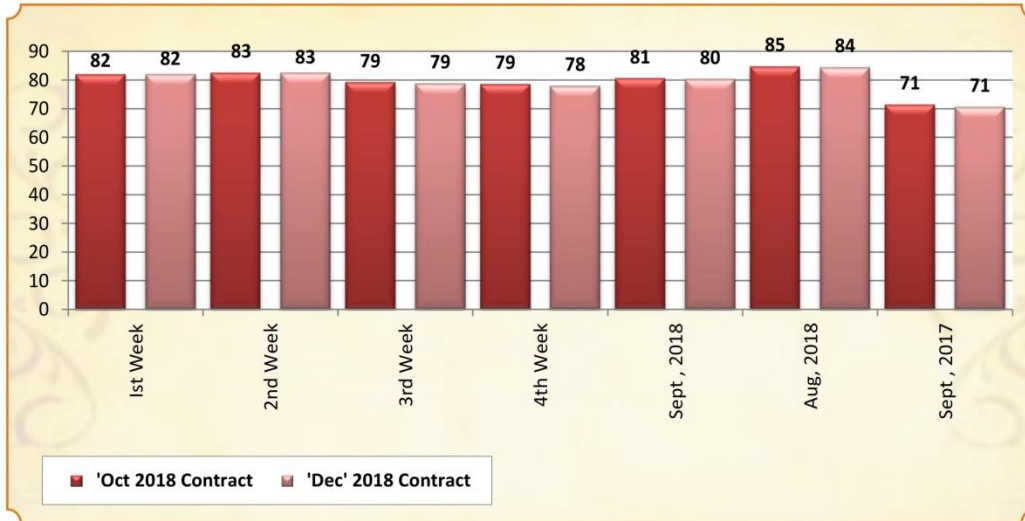
(US Cents Per Pound)

Month/Season	2017-18	2016-17
August, 2017	79.27	80.39
September, 2017	80.85	77.80
October, 2017	78.52	78.46
November, 2017	80.16	78.71
December, 2017	85.18	79.51
January, 2018	90.95	82.22
February, 2018	88.25	85.16
March, 2018	92.15	86.77
April, 2018	92.09	86.96
May, 2018	93.97	88.76
June, 2018	97.59	84.92
July, 2018	96.04	84.21
Average 2017-18	87.92	82.82
August, 2018	94.73	79.27
September, 2018	90.54	80.85
Average 2018-19	92.64	80.06

Source: Cotton Outlook.

Figure-VI: NEW YORK COTTON FUTURES VALUES DURING SEPTEMBER, 2018

(US Cents Per Pound)



Source: Cotton Outlook

The graph above shows that the nearby October, 2018 contract during September, 2018 witnessed decline from the level of previous month. The price was averaged at 81.00 cents per pound as compared to 85.00 cents in August, 2018. However, the prices of same contract were much lower at 71.00 cents per pound in September, 2017. Similar trend was followed in December, 2018 contract.

