

Monthly Cotton Review August, 2024.



MONTHLY COTTON REVIEW

August 2024

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Directorate of Marketing & Economic Research
Pakistan Central Cotton Committee
Ministry of National Food Security & Research
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MONTHLY COTISTICS (AUGUST, 2024)

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DOMESTIC COTTON CROP SCENARIO

The latest report from the Pakistan Cotton Ginners Association, released on August 31, 2024, reveals a significant decline in cotton arrivals compared to the previous year. The total number of bales dropped from 3.041 million in 2023-24 to 1.225 million in 2024-25. In Punjab, arrivals sharply decreased from 1.069 million bales to 0.453 million bales. Sindh also saw a substantial reduction, with arrivals falling from 1.972 million bales to 0.773 million bales. Detailed information is provided in the table below:

Table: 1 SEED COTTON ARRIVALS AS ON 31st August, 2024

(Bales)

| Heads | 2024-2025 Season | | | 2023-2024 Season | | |
|------------------------|------------------|---------|-----------|------------------|-----------|-----------|
| | Punjab | Sindh | Total | Punjab | Sindh | Total |
| Arrivals | 452,855 | 773,091 | 1,225,946 | 1,068,796 | 1,972,308 | 3,041,104 |
| Sales to Exporters | 400 | - | 400 | 87,326 | 81,400 | 168,726 |
| Sales to Textile Mills | 428,286 | 743,696 | 1,171,982 | 868,079 | 1,747,192 | 2,615,271 |
| Total Bales Sold | 428,686 | 743,696 | 1,172,382 | 955,405 | 1,828,592 | 2,783,997 |
| Unsold Stock | 10,870 | 10,370 | 21,240 | 37,925 | 39,184 | 77,109 |
| Un-ginned Stock | 13,299 | 19,025 | 32,324 | 75,466 | 104,532 | 179,998 |

Source: Pakistan Cotton Ginners Association

Table2: PROPOSED TARGET OF COTTON CROP DURING (2024-25 Season)

| Province | Targets 2024-25 | | |
|--------------|-------------------------|----------------------------|----------------------|
| | Area (Million Hectares) | Production (Million Bales) | Yield (Kg/ hectares) |
| Punjab | 1.680 | 6.500 | 657.74 |
| Sindh | 0.630 | 3.900 | 1052.38 |
| KPK | 0.00030 | 0.00093 | 527.00 |
| Balochistan | 0.808 | 0.473 | 99.52 |
| Total | 3.118 | 10.874 | 592.81 |

Source: Federal Committee on Agriculture.

Table 3: SOWING POSITION OF COTTON CROP

(Million Hectares)

| Province | Propose Target | Area Sown | | %age against target | %age change over last year |
|--------------|----------------|--------------|--------------|---------------------|----------------------------|
| | | 2024-25 | 2023-24 | | |
| Punjab | 1.680 | 1.304 | 1.680 | 78% | -22% |
| Sindh | 0.630 | 0.550 | 0.625 | 87% | -14% |
| KPK | 0.00030 | 0.000045 | 0.000040 | 15% | 13% |
| Balochistan | 0.808 | 0.119 | 0.0768 | 15% | 55% |
| Total | 3.118 | 1.973 | 2.382 | 63% | -17% |

Source: Provincial Crop Reporting Service.

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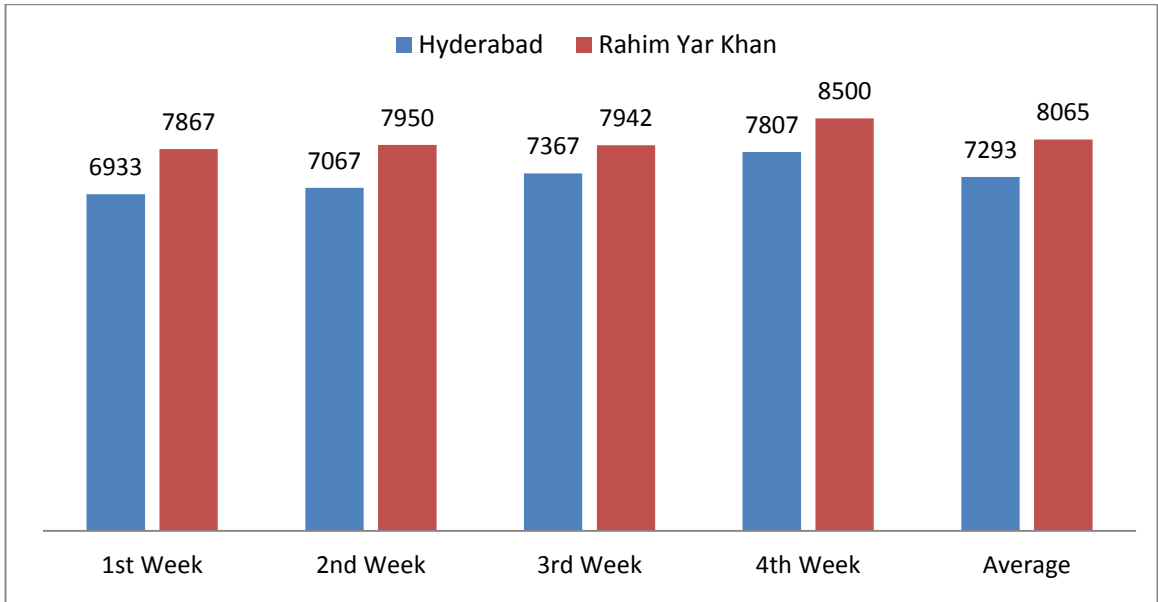
Table 4: SEED COTTON PRICES: MONTHLY AVERAGE (2024-2025, 2023-24 & 2022-23) (Rs. / 40 Kg)

| Months | Hyderabad | M.P. Khas | Khair Pur | Sukkur | R.Y. Khan | BWP | Vehari | Mian Channu | D.G. Khar | Burewala |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Aug 2024 | 7293 | 7271 | - | - | 8065 | 7792 | 8263 | - | - | 8229 |
| Avg 2024-25 | 7293 | 7271 | - | - | 8065 | 7792 | 8263 | - | - | 8229 |
| Aug 2023 | 7897 | 7793 | - | - | 8466 | 8217 | 8601 | 8390 | 8303 | 8583 |
| Sept 2023 | 8207 | 8182 | - | - | 9031 | 8816 | 8974 | 8628 | 8873 | 8962 |
| Oct 2023 | 6429 | 6423 | 7135 | 7165 | 7907 | 7795 | 7831 | 7070 | 7707 | 7552 |
| Nov 2023 | 6759 | 6659 | 7489 | 7539 | 8044 | 7748 | 7797 | 7380 | 7798 | 7828 |
| Dec 2023 | - | - | 7070 | 7053 | 7942 | 7699 | 8021 | - | 7813 | 7852 |
| Jan 2024 | - | - | 7508 | 7605 | 8941 | 8673 | 9365 | - | - | - |
| Feb 2024 | - | - | - | - | 9539 | 9198 | - | - | - | - |
| March 2024 | - | - | - | - | 9250 | 9662 | - | - | - | - |
| Avg 2023-24 | 7323 | 7264 | 7301 | 7341 | 8640 | 8476 | 8432 | 7867 | 8099 | 8155 |
| Sept 2022 | 8346 | 8256 | 9122 | 9126 | 10557 | 10836 | 10285 | 10104 | 9868 | 10486 |
| Oct 2022 | 7288 | 7236 | 7955 | 8044 | 9032 | 8588 | 8596 | 8371 | 8563 | 8667 |
| Nov 2022 | 7048 | 6979 | 7476 | 7584 | 8704 | 8195 | 8415 | 8381 | 8599 | 8410 |
| Dec 2022 | 7140 | - | 7393 | 7493 | 8543 | 8114 | 8335 | 8229 | 8190 | 8565 |
| Jan 2023 | - | - | 7756 | 7720 | 9533 | 9084 | 9509 | - | 9078 | - |
| Feb 2023 | - | - | 8032 | 8029 | 9436 | 9230 | 9427 | - | - | 9531 |
| March 2023 | - | - | - | - | 8622 | 8056 | 8283 | - | - | - |
| Avg 2022-23 | 7399 | 7404 | 7956 | 7999 | 9238 | 8979 | 9031 | 8886 | 8770 | 9181 |

Source: Market Report.

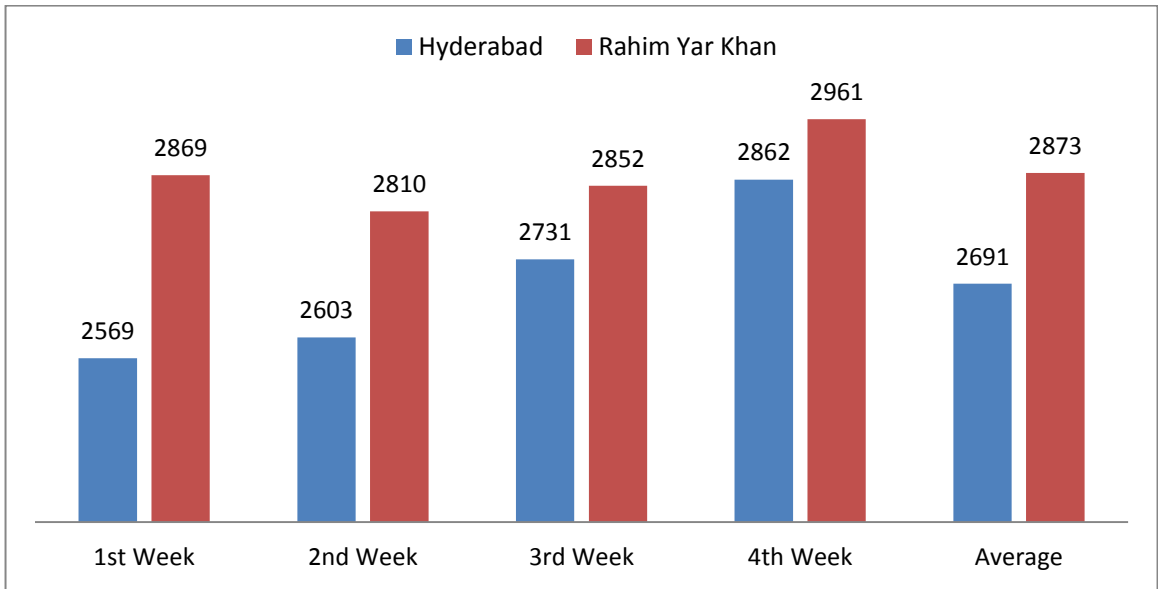
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Figure-I: SEED COTTON PRICES DURING AUGUST, 2024 (Rs /40 kg)



Source: Market Report.

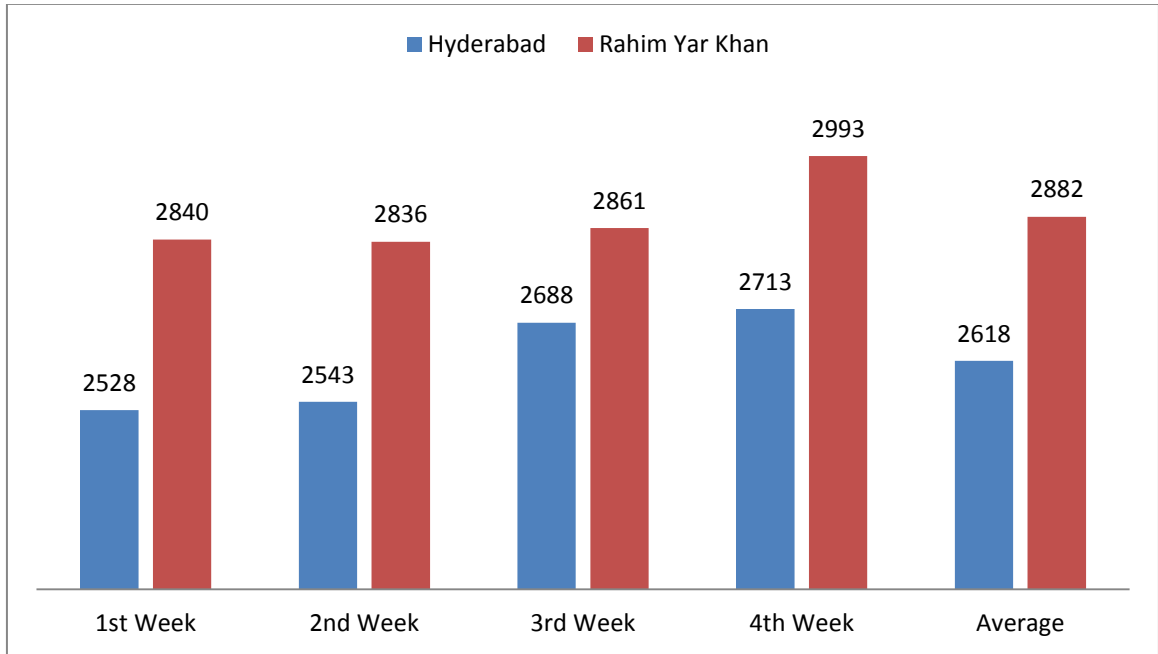
Figure-II: COTTON SEED PRICES DURING AUGUST, 2024 (Rs / 40 kg)



Source: Market Report.

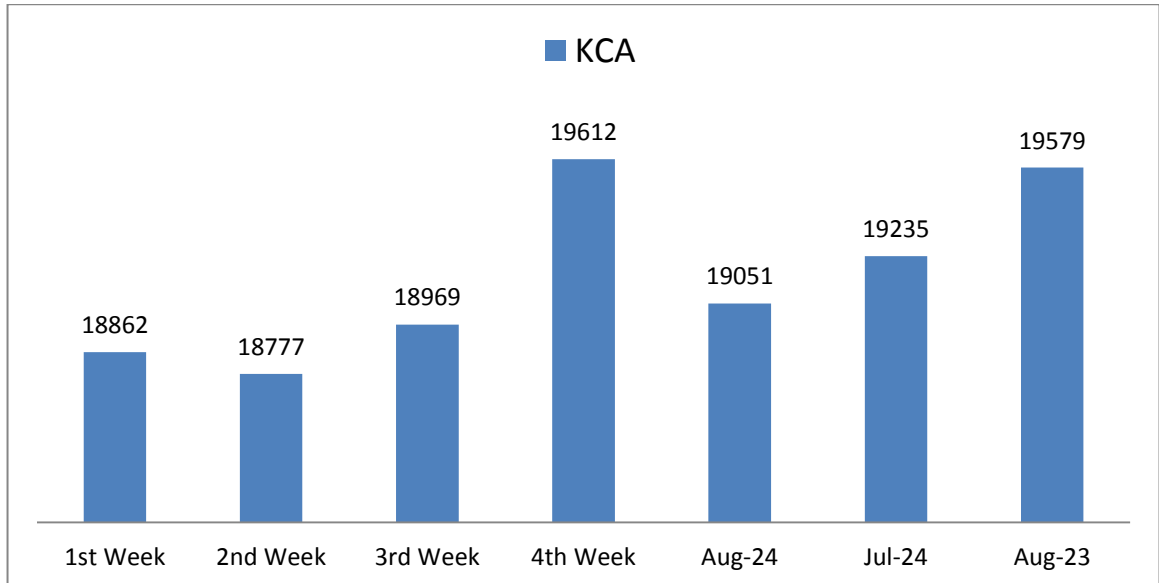
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Figure-III: COTTON SEED CAKE PRICES DURING AUGUST, 2024 (Rs /40 kg)



Source: Market Report.

Figure-IV: KCA SPOT RATE (EX-GIN) DURING AUGUST, 2024(Rs/40 Kg)



Source: The Karachi Cotton Association.

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The graph above shows a decrease in the price of raw cotton, with prices declining to monthly average of 19051 rupees per 40 kg in August 2024. The average monthly price for August 2024 is lower than that of July 2024 and Aug 2023.

Table 5: MONTHLY AVERAGE PRICES OF RAW COTTON DURING 2024-25, 2023-24, 2022-23 and 2021-22
(Rs. / 40 kg)

| Month | 2024-25 | 2023-24 |
|----------------|---------------|---------------|
| | Ex-Gin Rate | Ex-Gin Rate |
| August | 19051 | 19,579 |
| September | | 20,127 |
| October | | 17,892 |
| November | | 18,720 |
| December | | 18,230 |
| January | | 20,193 |
| February | | 22,664 |
| March | | 23,042 |
| April | | 22,619 |
| May | | 21,145 |
| June | | 20,799 |
| July | | 19,235 |
| Average | 19,051 | 20,354 |
| Month | 2022-23 | 2021-22 |
| | Ex-Gin Rate | Ex-Gin Rate |
| August | 20,875 | 14,547 |
| September | 23,374 | 14,383 |
| October | 19,095 | 15,611 |
| November | 17,966 | 17,799 |
| December | 17,745 | 18,219 |
| January | 20,714 | 20,161 |
| February | 22,474 | 21,443 |
| March | 20,840 | 21,434 |
| April | 21,037 | 22,015 |
| May | 21,434 | 22,673 |
| June | 20,912 | 22,038 |
| July | 18,414 | 17,794 |
| Average | 20,423 | 19,010 |

Source: Karachi Cotton Association.

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Table 6: COTTON PRODUCTION, IMPORTS, MILL CONSUMPTION & EXPORTS (Bale= 170kg)

| Position | 2021-22 | | 2022-2023 | | 2023-2024* | |
|-------------------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|
| | '000' Bales | '000' Metric Tons | '000' Bales | '000' Metric Tons | '000' Bales | '000' Metric Tons |
| Production | 8328 | 1416 | 4912 | 835 | 10224 | 1738 |
| Imports | 4567 | 776 | 4024 | 684 | 1206 | 205 |
| Mill Consumption | 13000 | 2744 | 12576 | 2138 | 11559 | 1965 |
| Exports | 16 | 03 | 71 | 12 | 182 | 31 |

* Provisional

Source: i) Textile Commissioner Organizations (Mill Consumptions)
ii) Pakistan Bureau of Statistics (Imports & Exports).
iii) Provincial Crop Reporting Department and D.G Agriculture (Ext & Res)

DOMESTIC COTTON YARN PRICES:

In July 2024, cotton yarn prices were stable, with Count 21's holding steady at 3538. The price for Count 30's saw a slight increase, rising to 3890 in July 2024, compared to 3883 in June 2024 and 3842 in July 2023.

Table 7: DOMESTIC COTTON YARN PRICES DURING JULY, 2024 (Rs. per bundle of 4.54 kg)

| Week | Count/W | W | E | E | K | July 2024 | June 2024 | July 2023 |
|------|---------|------|------|------|------|-----------|-----------|-----------|
| | | 1 | 11 | 111 | 1V | | | |
| | 10/1 | 3150 | 3150 | 3150 | 3150 | 3150 | 3150 | 3300 |
| | 16/1 | 3275 | 3280 | 3280 | 3290 | 3281 | 3270 | 3430 |
| | 21/1 | 3538 | 3538 | 3538 | 3538 | 3538 | 3538 | 3594 |
| | 22/1 | 3625 | 3625 | 3625 | 3625 | 3625 | 3625 | 3600 |
| | 26/1 | 3750 | 3750 | 3750 | 3950 | 3800 | 3750 | 3780 |
| | 28/1 | 3800 | 3800 | 3800 | 3800 | 3800 | 3800 | 3700 |
| | 30/1 | 3883 | 3883 | 3883 | 3908 | 3890 | 3883 | 3842 |
| | 32/1 | 3900 | 3900 | 3900 | 3900 | 3900 | 3900 | 3800 |
| | 40/1 | 4350 | 4350 | 4350 | 4350 | 4350 | 4350 | 4200 |
| | 52/1 | 4900 | 4900 | 4900 | 4900 | 4900 | 4900 | 4700 |
| | 60/1 | 5100 | 5100 | 5100 | 5100 | 5100 | 5100 | 4800 |
| | 70/1 | 5400 | 5400 | 5400 | 5400 | 5400 | 5400 | 5000 |
| | 20/2 | 3840 | 3840 | 3840 | 3840 | 3840 | 3840 | 3860 |

Source: Pakistan Yarn Merchants Association, Karachi

Export and Import of Textile Commodities:

In July 2024, textile exports declined compared to June 2024, with towels experiencing the sharpest drop of 19% in value and 17% in quantity. Knitwear and ready-made garments also saw decreases of 16% and 9% in value, respectively. However, cotton yarn and cotton cloth showed an upward trend, with increases of 23% and 4% in value, respectively. Detailed figures for specific textile commodities can be found in Table 8.

Table 8: EXPORTS OF TEXTILE COMMODITIES DURING JULY, 2024. (Value= Rs. in Million)

| Commodities | Unit | July 2024 | | June 2024 | | July 2023 | | %age change over June 2024 | |
|-------------------------------|--------------|-----------|-------|-----------|--------|-----------|--------|----------------------------|--------|
| | | Qty | Val | Qty | Val | Qty | Val | Qty | Val |
| Raw Cotton | M.T | - | - | - | - | 294 | 155 | 0.00 | 0.00 |
| Cotton Yarn | M.T | 20278 | 15520 | 16319 | 12618 | 34570 | 27266 | 24.27 | 23.00 |
| Bed wear | M.T | 35739 | 59661 | 39551 | 65290 | 34342 | 60953 | -9.64 | -8.62 |
| Towels | M.T | 14768 | 19513 | 17808 | 24272 | 15069 | 20448 | -17.07 | -19.61 |
| Cotton Cloth | M.T | 26301 | 39016 | 25030 | 37626 | 27603 | 39604 | 5.80 | 3.70 |
| Art, Silk & Synthetic Textile | M.T | 6183 | 5785 | 6792 | 8738 | 5932 | 7353 | -8.98 | -13.20 |
| Knit wear | '000' Dozens | 19142 | 99577 | 22996 | 119053 | 20445 | 102439 | -16.76 | -16.36 |
| Readymade garments | '000' Dozens | 5678 | 82271 | 6315 | 90432 | 5235 | 77201 | -10.09 | -9.02 |

Source: Pakistan Bureau of Statistics

In July 2024, raw cotton imports plummeted by 52% in both quantity and value. Compared to the previous month, synthetic fiber imports fell by 26% in quantity and 20% in value. Additionally, the import value of other textile items declined by 9%.

Table 9: IMPORTS OF TEXTILE COMMODITIES DURING JULY, 2024 (Value = Rs. in Millions)

| Commodities | Unit | July 2024 | | June 2024 | | July 2023 | | % Change over June 2024 | |
|----------------------------------|------|-----------|-------|-----------|-------|-----------|-------|-------------------------|--------|
| | | Qty | Val | Qty | Val | Qty | Val | Qty | Val |
| Raw Cotton | M.T | 17671 | 10407 | 36984 | 21834 | 19440 | 13230 | -52.22 | -52.34 |
| Synthetic Fiber | M.T | 26916 | 11095 | 33738 | 14974 | 33812 | 16774 | -20.22 | -25.90 |
| Synthetic & Artificial Silk Yarn | M.T | 27468 | 13445 | 29892 | 13927 | 33398 | 16487 | -8.11 | -3.46 |
| Worn Clothing | M.T | 83146 | 10535 | 92595 | 11162 | 76404 | 9372 | -10.20 | -5.62 |
| Other Textile Items | - | - | 19583 | - | 21585 | - | 12903 | - | -9.28 |

Source: Pakistan Bureau of Statistics

ECONOMICS OF COTTON AND COMPETING CROPS

Cotton, a Kharif crop, competes with rice, sugarcane, and other crops for land, water, and farm resources in areas where all these crops can technically be cultivated. Cotton faces significant indirect competition from sugarcane, an annual crop that occupies the land year-round. The economics of cotton and its competing crops have been analyzed based on the input-output costs incurred and returns received by growers during the 2022-23 year. Summaries of various indicators for Punjab and Sindh are presented in the table below:

Table 10: ECONOMICS OF SEED COTTON AND COMPETING CROPS AT PRICES RELEASED BY THE GROWERS 2022-23 CROP

| Sr.# | Province/ Crops/ Crop Combination | Output Input ratio | Gross Revenue Per | | |
|---------------|--------------------------------------|-----------------------|--------------------------------------|--------------------------|---------------------------------------|
| | | | Rupee of Purchased inputs cost | Days of Crop Duration | Acre inch of irrigation water used |
| | | | Rupees | | |
| 1 | 2 | 3 | 4 | 5 | |
| PUNJAB | | | | | |
| 1. | Seed Cotton | 1.66 | 4.22 | 775 | 7399 |
| 2. | Basmati Paddy | 1.52 | 2.79 | 692 | 2148 |
| 3. | Non-Basmati Paddy | 1.57 | 3.19 | 689 | 2000 |
| 4. | Cotton + Wheat | 1.67 | 4.42 | 808 | 8555 |
| 5. | Cotton + Sunflower | 1.60 | 4.03 | 778 | 6897 |
| 6. | Sugarcane | 1.24 | 3.10 | 540 | 4433 |
| SINDH | | | | | |
| 1. | Seed Cotton | 1.72 | 4.94 | 855 | 9974 |
| 2. | Non-Basmati Paddy | 1.79 | 4.44 | 764 | 2454 |
| 3. | Cotton + Wheat | 1.77 | 4.94 | 893 | 10714 |
| 4. | Cotton + Sunflower | 1.64 | 4.39 | 732 | 7136 |
| 5. | Sugarcane | 1.14 | 2.94 | 393 | 2701 |

Source: API's Cotton Policy Analysis Report 2022-23 Crop

1. WORLD COTTON SITUATION

The 2023-24 forecasts anticipate a 5% increase in the global cotton cultivation area, reaching an estimated 33.76 million hectares. This expansion in cultivation is expected to boost production by 7.49%, with an estimated output of 26.53 million tons. Despite this rise in production, global cotton consumption is projected to grow by 2.22%, reaching 24.41 million tons in 2023-24, compared to 23.88 million tons in the previous season. As a result, ending stocks are expected to rise by 10.44%, totaling 22.32 million tons in 2023-24, compared to 20.21 million tons the previous year.

Table-14: WORLD COTTON BALANCE SHEET (Million Metric Tons)

| Heads | 2019-20 | 2020-21 | 2021-22 | 2022-23 Proj | 2023-24 Proj | % Change in 2023-24 over 2022-23 |
|-----------------|---------|---------|---------|--------------|--------------|----------------------------------|
| Beginning Stock | 19.34 | 22.11 | 20.19 | 19.41 | 20.21 | 4.12 |
| Production | 26.26 | 23.99 | 25.18 | 24.68 | 26.53 | 7.49 |
| Consumption | 23.05 | 25.70 | 25.83 | 23.88 | 24.41 | 2.22 |
| Exports | 9.21 | 10.83 | 9.73 | 8.44 | 9.52 | 12.79 |
| Imports | 8.78 | 10.65 | 9.60 | 8.44 | 9.52 | 12.79 |
| Ending Stock | 22.11 | 20.19 | 19.41 | 20.21 | 22.32 | 10.44 |

Source: Cotton This Month August 02, 2024.

2. REGIONAL COTTON SITUATION

1. CHINA

In 2023-24, China's cotton cultivation area has decreased by 4.33% to 2.87 million hectares, down from 3.0 million hectares the previous year. Consequently, cotton production is expected to decline by 3.34%, from 5.98 million tons to 5.78 million tons. However, China's cotton consumption is projected to decline to 7.43 million tons in 2023-24. There is increase of 53% in imports, which are forecasted to reach 2.07 million tons. The anticipated ending stock of cotton in China for 2023-24 is estimated at 8.79 million tons.

Table-13: CHINA SUPPLY AND DEMAND POSITION (Million Metric Tons)

| Heads | 2019-20 | 2020-21 | 2021-22 | 2022-23 Proj | 2023-24 Proj |
|-----------------|---------|---------|---------|--------------|--------------|
| Beginning Stock | 8.88 | 9.02 | 9.37 | 8.60 | 8.41 |
| Production | 5.80 | 5.91 | 5.73 | 5.98 | 5.78 |
| Consumption | 7.23 | 8.40 | 8.31 | 7.50 | 7.43 |
| Import | 1.60 | 2.84 | 1.85 | 1.35 | 2.07 |
| Ending Stock | 9.02 | 9.37 | 8.60 | 8.41 | 8.79 |

Source: Cotton This Month August 02, 2024.

2. INDIA

In the upcoming 2023-24 period, India's cotton cultivation area is expected to increase by 0.99%, from 13 million hectares in 2022-23 to 13.13 million hectares. Consequently, cotton production is anticipated to increase by 6.04%, totaling 5.83 million tons. Meanwhile, mill consumption is forecasted to rise to 5.10 million tons. Projections for Indian cotton exports in the 2023-24 season indicate an increase of 16.17%, reaching 0.20 million tons. Ending stocks for 2023-24 are estimated to be 3.39 million tons.

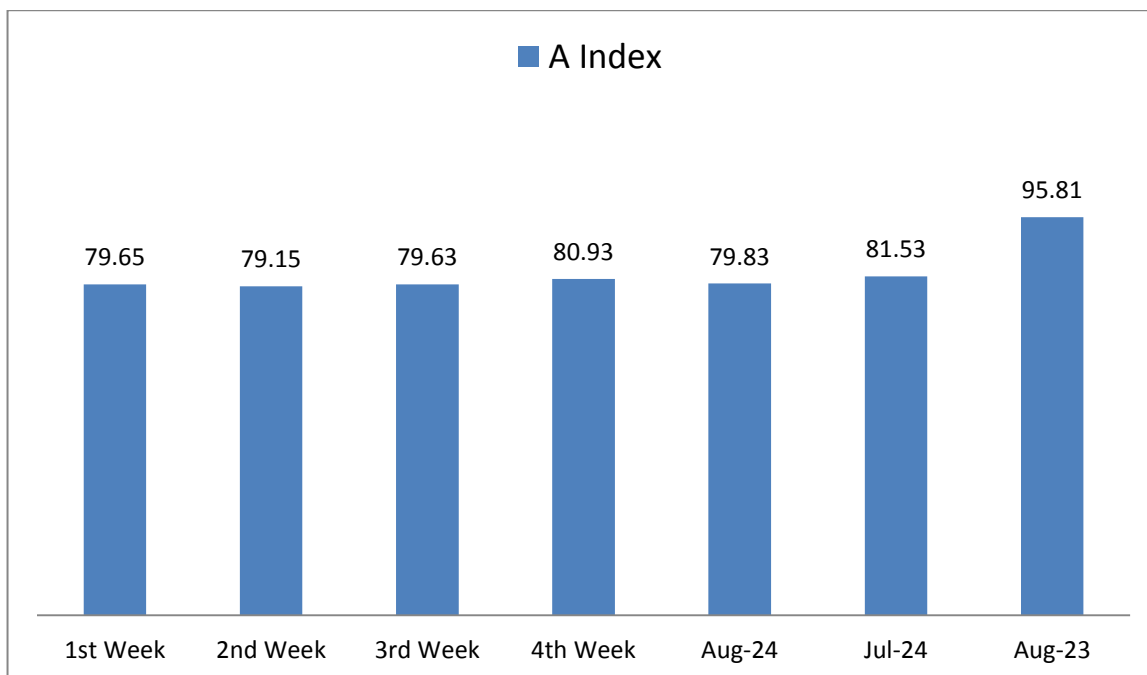
Table: COTTON PRODUCTION AND CONSUMPTION IN MAJOR COTTON GROWING COUNTRIES DURING LAST 5 YEARS (Million Metric Tons)

| Countries | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 Projected | 2023-24 Projected |
|--------------------|--------------|--------------|--------------|--------------|----------------------|----------------------|
| Production | | | | | | |
| China | 6.04 | 5.80 | 5.91 | 5.73 | 5.98 | 5.78 |
| India | 5.66 | 6.20 | 6.02 | 5.22 | 5.50 | 5.83 |
| USA | 4.00 | 4.34 | 3.18 | 3.81 | 3.15 | 3.59 |
| Brazil | 2.78 | 3.00 | 2.36 | 2.55 | 3.02 | 3.10 |
| Pakistan | 1.67 | 1.46 | 0.96 | 1.27 | 0.84 | 1.63 |
| Uzbekistan | 0.64 | 0.53 | 0.70 | 0.59 | 0.59 | 0.59 |
| Others | 5.20 | 4.93 | 4.86 | 6.00 | 5.60 | 6.01 |
| World Total | 25.98 | 26.26 | 23.99 | 25.18 | 24.68 | 26.53 |
| Consumption | | | | | | |
| China | 8.25 | 7.23 | 8.40 | 8.31 | 7.50 | 7.43 |
| India | 5.40 | 4.45 | 5.70 | 5.30 | 5.01 | 5.11 |
| Pakistan | 2.36 | 2.34 | 2.15 | 2.45 | 1.90 | 1.94 |
| Europe & Turkey | 1.82 | 1.60 | 1.79 | 2.01 | 2.05 | 2.04 |
| Bangladesh | 1.58 | 1.50 | 1.64 | 1.73 | 1.60 | 1.80 |
| Vietnam | 1.51 | 1.45 | 1.52 | 1.46 | 1.30 | 1.55 |
| Brazil | 0.73 | 0.57 | 0.69 | 0.70 | 0.70 | 0.66 |
| USA | 0.63 | 0.47 | 0.52 | 0.56 | 0.45 | 0.42 |
| Others | 3.73 | 3.44 | 3.29 | 3.31 | 3.38 | 3.45 |
| World Total | 26.01 | 23.05 | 25.70 | 25.83 | 23.88 | 24.41 |

Source: Cotton This Month August 02, 2024.

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Figure-V: COTLOOK ‘A’ INDEX DURING JULY, 2024 (US Cents per Pound)



Source: CottonOutlook

‘A’ Index

The 'A' index prices showed a mixed trend in August 2024, with the monthly average at 79.83 cents per pound, down from 81.53 cents per pound in July 2024. In comparison, the 'A' index was at 95.81 cents per pound in August 2023.

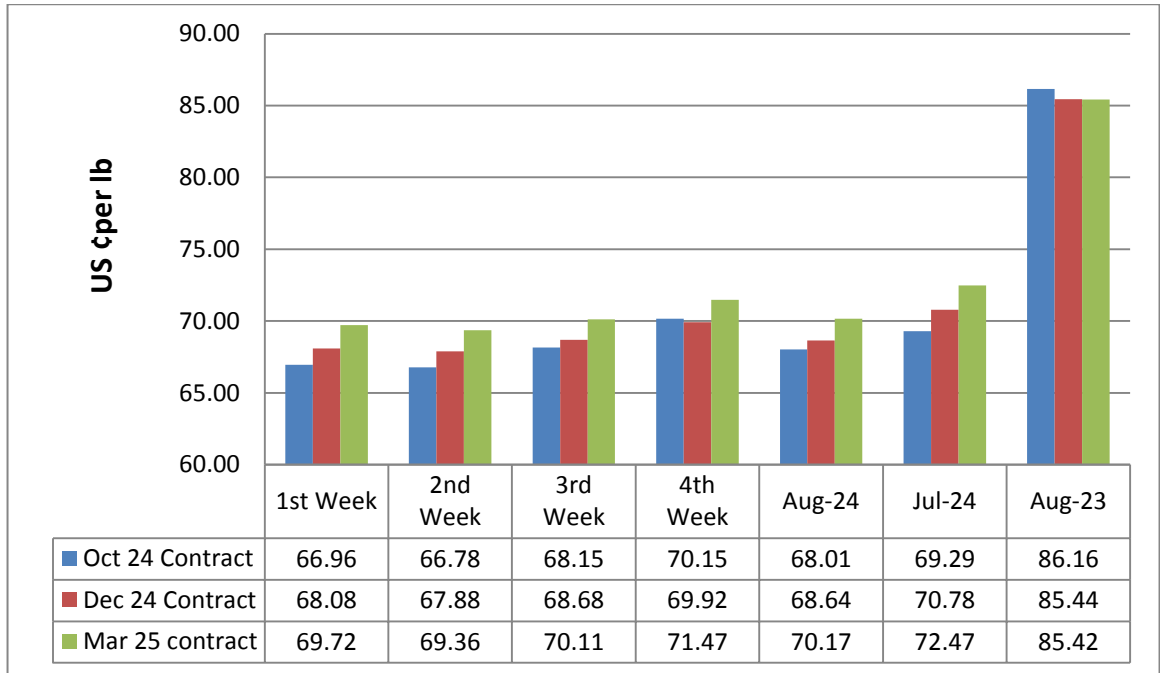
Table-16: MONTHLY AVERAGE PRICES OF “A” INDEX DURING 2022, 2023 & 2024. (US Cents per Pound)

| Month/Year | 2024 | 2023 | 2022 |
|----------------|-------|--------------|---------------|
| January | 91.83 | 100.12 | 131.91 |
| February | 99.42 | 99.54 | 138.46 |
| March | 99.74 | 95.59 | 139.76 |
| April | 90.78 | 95.24 | 154.99 |
| May | 86.34 | 94.03 | 163.89 |
| June | 83.26 | 93.01 | 155.41 |
| July | 81.53 | 92.86 | 131.55 |
| August | 79.83 | 95.81 | 123.62 |
| September | | 97.98 | 118.28 |
| October | | 95.69 | 99.91 |
| November | | 90.44 | 101.08 |
| December | | 90.51 | 100.87 |
| Average | -- | 95.51 | 129.20 |

Source: Cotton Outlook

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Figure-VI: NEW YORK COTTON FUTURES VALUES DURING AUGUST 2024. (US Cents per Pound)



Source: Cotton Outlook

The October 2024 contract experienced a monthly average decrease of 1.85%, settling at 68.01 cents. The December 2024 contract saw a larger decline of 3.02%, reaching 68.64 cents, while the March 2025 contract dropped by 3.17%, ending at 70.17 cents.

DESCRIPTION OF RATING OF DIFFERENT FIBER CHARACTERISTICS

i) Fiber Length Rating

| Description | inches | mm |
|---------------|--------------|----------------|
| Short Staple | 0.80 to 0.99 | 20.32 to 25.15 |
| Medium Staple | 1.00 to 1.10 | 25.40 to 27.94 |
| Long Staple | 1.11 to 1.26 | 28.19 to 32.00 |
| Extra Long | Above 1.27 | Above 32.00 |

II) Uniformity Ratio/ Uniformity Index.

| Description | | Rating |
|--------------------|------------------|-----------|
| Uniformity Ratio % | Uniformity Index | |
| 42.0 or Below | 77 or below | Very Low |
| 42.0 - 43.0 | 78 - 79 | Low |
| 44.0 - 45.0 | 80 - 82 | Average |
| 46.0 - 47.0 | 83 - 85 | High |
| Above 47.0 | Above 85 | Very high |

iii) Micronaire Value

| Description | Rating |
|-------------|-------------|
| Below 3.0 | Very fine |
| 3.0 - 3.9 | Fine |
| 4.0 - 4.9 | Average |
| 5.0 - 5.9 | Coarse |
| Above 6.0 | Very coarse |

iv) Maturity Ratio

| Description | Rating |
|---------------|---------------|
| 1.0 and above | Very mature |
| 1.0 - 0.95 | Above average |
| 0.94 - 0.85 | Mature |
| 0.84 - 0.80 | Below average |
| 0.79 - 0.70 | Immature |

v) Flat Bundle Strength 000 lb PSI

| Description | Rating |
|--------------|-------------|
| Less than 76 | Very Weak |
| 77 - 83 | Weak |
| 84 - 90 | Average |
| 91 - 97 | Strong |
| Above 97 | Very Strong |

vi) Fiber Strength (G/Tex)

| Description | | Rating |
|--------------|--------------|-----------|
| ICC mode | HVI mode | |
| Less than 16 | Less than 21 | Very Low |
| 17 - 19 | 22 - 24 | Low |
| 20 - 22 | 25 - 27 | Average |
| 23 - 25 | 28 - 30 | High |
| Above 25 | Above 30 | Very High |

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vii) Short Fiber Content

| Description | Rating |
|-------------|-----------|
| Below 6 | Very Low |
| 6 to 9 | Low |
| 10 to 13 | Average |
| 14 to 17 | High |
| Above 17 | Very High |

viii) Rd%

| Description | Rating |
|--------------|-----------|
| 80 and above | Very High |
| 75 to 79 | High |
| 70 to 74 | Average |
| 64 to 69 | Low |
| Below 63 | Very Low |

ix) +b

| Description | Rating |
|-------------|-----------|
| 6 and below | Very Low |
| 6 to 8 | Low |
| 8 to 10 | Average |
| 10 to 12 | High |
| Above 13 | Very high |

X) Moisture

| Description | Rating |
|-----------------|-----------|
| below 4.5 | very low |
| 4.5 to 6.5 | low |
| 6.6 to 8.5 | Medium |
| 8.6 to 10.0 | High |
| 10.1 and Higher | Very high |

WEIGHTS AND MEASURES

| | | |
|-----------------------------|---|---|
| Kilogram | = | 2.2046 Pounds = 1.0717 Seers |
| Pounds | = | 453.5924 Grams = 0.4536 Kilogram |
| Maund | = | 82.2858 Pounds = 37.3242 Kilograms = 0.0373 Metric Ton |
| Metric Ton | = | 2204.6229 Pounds= 26.7923 Maunds = 1000 Kilograms |
| Kantar | = | 50 Kilograms = 110.2334 Pounds = 1.3396 Maunds |
| Quintal | = | 1.9684 Cwt. = 2.6792 Maunds = 100 Kilograms |
| Hundred weight(CWT) | = | 112 Pounds = 50.8029 Kilograms |
| Yard | = | 0.9144 Meter |
| Square Yard | = | 0.8361 Square Meter |
| Meter | = | 3.2808 Feet = 1.0936 Yards |
| Square Meter | = | 1.19603 Square Yards |
| Acre | = | 4840 Square Yards = 0.4047 Hec. = 4046.7240 Sq. Meter |
| Hectare | = | 2.4710 Acre = 11959.6400 Sq. Yards = 999.4550 Sq. Meter |
| Bale of Raw Cotton | = | 375 Pounds = 170 Kilograms = 0.170 Metric Ton |
| Bale of Cotton Yarn | = | 400 Pounds=181.4388 Kilograms=0.1814388 Metric Ton |
| Bale of Cotton Cloth | = | 1500 Sq. Yards = 1254.1500 Sq. Meter |
| Lbs/Acre. | = | 0.8922 X (Kgs. /Hectare) |
| Kgs/Hectare | = | 1.1208 X (Lbs/Acre) = 92.2281 X (Mds. /acre) |
| Maund/Acre | = | 0.01084268 X (Kgs. /Hectare) |