

Egyptian cotton figures

29/8/2024

FIBER QUALITY MEASUREMENTS OF THE 2022-2023 EGYPTIAN COTTON CROP & PROMISING CROSS

Cotton		Fiber Quality Measurements										
		Color	Value of color attributes		Micronaire Value	Maturity Ratio (MR)	Fiber Length Parameters		Fiber Mechanical Properties		Image Analyzer Data	Total Reducing Sugar (%)
			Brightness (Rd%)	Yellowness(+b)			UHM (mm)	Uniformity (Index)	Strength(g/tex)	Elongation (%)	Intrinsic Fineness	
										Fiber perimeter (μ)		
Extra	*Giza 87	White	74.6	8.5	3.2	0.92	35.5	87.1	45.4	5.3	42.0	0.16
	*Giza 93	Creamy	69.2	11.7	3.0	0.89	36.1	86.9	45.2	5.2	41.7	0.17
	**Giza 92	White	78.1	7.1	3.6	0.93	34.4	86.3	47.5	5.0	43.6	0.15
	***Giza 96	White	77.3	8.2	4.0	0.94	35.1	87.3	45.7	6.0	45.2	0.16
Super	Giza 86	White	78.3	8.7	4.5	0.96	33.2	87.3	45.7	6.5	47.2	0.18
	Giza 94	White	79.5	8.8	4.2	0.92	34.7	89.8	42.3	6.8	46.2	0.15
	Giza 97	White	71.1	8.9	4.4	0.93	33.8	87.1	45.6	6.2	46.4	0.16
GIZA	Giza 95	Creamy	67.1	11.6	4.4	0.93	30.5	85.2	37.1	7.8	51.6	0.15
	Giza 98	Creamy	62.2	11.9	4.2	0.91	30.6	85.0	37.6	7.7	51.3	0.16

All cottons were represented by G/FG lint grade / Source: Agricultural ResearchCenter, Cotton Research Institute (Cotton Technology Research Division)

***Extra-Fine**

****Extra-Strength**

*****Extra-Long**

YARN QUALITY MEASUREMENTS OF THE 2022-2023 EGYPTIAN COTTON CROP & PROMISING CROSS

Cotton Variety		80s/4.2 T.M Combed Ring Yarns				100s/4.2 T.M Combed Ring Yarns				140s/4.2 T.M Combed Ring Yarns			
		LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V. %)	LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V. %)	LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V.%)
Extra	**Giza 92	3500	25.50	5.7	11.75	3150	25.90	5.5	12.65	3050	26.90	5.5	13.14
	***Giza 96	3400	25.00	5.8	11.90	3200	25.80	5.5	12.60	3100	26.80	5.5	13.20
Super	Giza 86	2800	22.80	5.6	12.90	2600	22.50	5.4	13.50				
	Giza 94	2750	22.50	5.5	13.00	2550	22.30	5.4	13.65				
	Giza 97	2700	22.20	5.4	13.20	2500	22.00	5.4	13.70				
Cotton Variety		80s/4.2 T.M Combed Compact Yarns				100s/4.2 T.M Combed Compact Yarns				140s/4.2 T.M Combed Compact Yarns			
		LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V. %)	LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V. %)	LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V.%)
Extra	**Giza 92	3500	28.70	5.4	11.10	3200	29.50	5.2	11.80	3120	29.90	5.1	12.80
	***Giza 96	3550	28.00	5.4	11.00	3300	29.00	5.1	11.70	3200	28.75	5.1	12.50
Super	Giza 86	2900	24.30	5.3	12.40	2850	25.00	5.1	12.80				
	Giza 94	2850	24.30	5.3	12.30	2800	24.80	5.1	12.70				
	Giza 97	2850	24.00	5.2	12.40	2750	24.50	5.1	12.90				
Cotton Variety		50s/4.2 T.M Combed Ring Yarns				50s/4.3 T.M Combed Compact Yarns				30s/ 4.4 T.M open end Yarns			
		LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V. %)	LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V. %)	Strength (CN/Tex)	Elongation (%)	Evenness (C.V.%)	
Giza 95		2210	17.20	6.1	14.30	2450	18.60	6.1	13.60	14.14	6.2	17.00	
Giza 98		2300	17.50	6.1	14.10	2460	18.65	6.0	13.60	14.20	6.1	17.50	
Extra-long/Extra fine Cotton Variety		140s/4.2 T.M Combed Ring Yarns				160s/4.3 T.M Combed Compact Yarns				180s/ 4.4 T.M Combed Compact Yarns			
		LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V. %)	LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V. %)	LCSP	Strength (CN/Tex)	Elongation (%)	Evenness (C.V.%)
Extra	*Giza 87	2450	30.00	4.3	14.88	2180	31.00	4.3	15.20	1800	32.00	4.5	15.90
	*Giza 93	2400	29.50	4.2	14.90	2160	30.90	4.4	15.00	1756	31.30	4.4	15.85

All cottons were represented by G/FG lint grad. / Source: Agricultural Research Center, Cotton Research Institute (Cotton Technology Research Division)

**Extra-Fine, Giza 87, Giza 93 would be spun from 140Ne to 350Ne*

****Extra-Strength**

*****Extra-Long, Promising Cross marked with red**

Physical Fiber Properties of Egyptian Cotton Varieties

From 1/9/2023 Until 29 /01/ 2024 season 2023 /2024



variety																
	extraG45	extra G87	Super G97	Extra G96bci	extraG96	extraG92 reel cotto	extra G92 bci	ExtraG 92	superG86	Super G94 propagation	superG94	Super G94 BCI propagation	G95 propagation	G98	G95	Super G94 bci
Mic Reading u/in	3,32	3,25	4,13	3,90	3,94	3,55	3,48	3,48	4,53	3,86	3,79	3,85	4,13	4,14	4,14	4,12
Upper Half Mean Length	36,00	36,80	33,71	36,62	36,36	34,66	33,44	33,79	33,11	34,61	34,54	34,80	29,13	31,45	29,29	34,86
Uniformity Index %	88,0	89,3	86,7	89,1	88,7	87,8	87,0	87,50	87,1	87,3	87,3	87,0	84,0	85,9	83,9	87,5
Short fiber Index %	5,4	5,4	5,9	5,4	5,4	5,8	5,9	5,7	6,0	5,5	5,6	5,5	7,9	7,2	8,0	5,5
Strength (gm/tex)	42,9	42,1	42,9	45,1	46,3	44,3	46,4	46,20	45,0	41,0	41,2	41,0	36,2	36,9	36,5	41,8
Reflectance R	70,3	72,2	74,5	75,3	74,8	77,6	76,8	76,90	74,3	76,6	75,2	77,5	65,8	67,3	67,7	76,9
Yellowness +I	8,9	9,0	9,0	9,0	9,2	8,2	8,7	8,60	8,9	9,1	9,0	8,7	11,9	12,5	12,0	9,2
SCI	215	222	200	226	226	218	218	221	203	203	203	202	154	171	156	204
Maturity (%)	83	87	82	81	83	78	77	78	83	83	82	82	84		84	84
Hair Weight (m.tex)	124	115	153	151	153	138	137	139	163	153	152	153	154		154	155
Trash %			3,7	3,0	2,9		3,7	4,0	4,0		3,9		4,6		4,2	3,4
Neps Count/gram			165	120	119		168	179	118		166		142		142	181
No s of Samples	1	1	30	29	33	1	20	19	74	29	681	43	63	3	181	25

Cotton Arbitration & Testing General Organization

CATGO

General Administration for Information Systems & Digitization □

ISD



The Egyptian Cotton Planted Area (By Feddan)
For Season 2024 / 2025 Till 23/07/2024

Region		Giza Extra					Total Extra	Giza Super			Total super	Giza		Total Giza	others	Total Area
		Giza 45 Extra	Giza 87 Extra	Giza 93 Extra	Giza 96 Extra	Giza 92 Extra		Giza 94 Super	Giza 86 Super	Giza 97 Super		Giza 95	Giza 98			
Lower Egypt	Alexandria							900		900					900	
	El Nubaria							690		690					690	
	EI Beheira							35173	1819	36992					36992	
	Kafr Elsheikh				12587		12587	91499		91499				372	104458	
	Gharbia							12591		4144	16735				16735	
	Sharqia							39081		9157	48238				48238	
	Port Said							3439		3439					3439	
	Ismailia							1812		1812					1812	
	Dakahlia							44406		44406					44406	
	Domietta					7816	7816								7816	
	Elmenofia									4457	4457				4457	
	Qalyubia									75	75				75	
Total Lower Egypt					12587	7816	20403	192828	36763	19652	249243			372	270018	
Upper Egypt	Al Fayom										21380		21380		21380	
	Beni Suef										12430		12430		12430	
	Minya										340		340		340	
	Asyut										5996		5996		5996	
	Alwady Algaded											75	75		75	
	Sohag											672	672		672	
Total Upper Egypt											40146	747	40893		40893	
Grand Total					12587	7816	20403	192828	36763	19652	249243	40146	747	40893	372	310911

Estimated total Egyptian cotton planted area: 300,000 feddan for season 2024/2025

Egyptian Cotton cultivation- Crop 2022/2023

Variety	Actual Cultivated Area		Production (By Tons)
	(By Fadden)	(By ha)	
G.92	10,728	4,506	2,400
G.96	7,128	2,994	1,700
Total ELS	17,856	7,500	4,100
G.86	46,035	19,335	13,500
G.97	9,558	4,014	3,500
G.94	237,747	99,854	70,800
G.95 Upper	26,252	11,026	7,900
G.98	5	2	1.8
Total LS	319,597	134,231	95,700
Grand Total	337,634	141,863	99,800

Egyptian Cotton cultivation- Crop 2023/2024

Variety	Actual Cultivated Area		Production (By Tons)
	(By Fadden)	(By ha)	
G.92	8,526	3,582	2,353.60
G.96	11,226	4,716	4,298.64
Total ELS	19,752	8,299	6,652.24
G.86	29,931	12,576	5,374.80
G.97	4,184	1,757	1,215.33
G.94	174,345	73,254	39,326.43
G.95 Upper	26,358	11,074	8,542.41
G.98	86	36	29.27
Total LS	234,904	98,699	52,568.80
Grand Total	254,606	106,977	61,140.47 till 29/8/2024 Estimated total Egyptian cotton production: 68,000 tons for season 2023/2024

General situation of Egyptian Cotton cultivation, production& exports

Year	Agriculture Area	Variety	%	Total Production		Exports	
	(ha)			(Tons)	(lbs)	(Tons)	(lbs)
2020/2021	76,848	LS – Delta (G.86, G.94) LS Upper (G.95) ELS (G.96& G.92)	92% 4% 4%	58,000	127,868,112	75,000	165,000,000
2021/2022	99,790	LS – Delta (G.86, G.97, G.94) LS Upper (G.95) ELS (G.96& G.92)	92% 4% 4%	74,000	163,000,000	65,000	143,300,000
2022/2023	141,863	LS – Delta (G.86, G.97, G.94) LS Upper (G.95) ELS (G.96& G.92)	92% 4% 4%	110,000	242,297,000	99,851	219,941,798
2023/2024	106,997	LS – Delta (G.86, G.97, G.94) LS Upper (G.95) ELS (G.96& G.92)	81.86% 10.38% 7.76%	61140.47	134,790,627	Export season 2023/2024 53,754 (29/8/2024)	Export season 2023/2024 118,507,284 (29/8/2024)

Organic& BCI Egyptian Cotton production

<u>Season</u>	Year	Variety	Total (Tons)	Total (Ibs)
<u>2021/2022</u>	Organic cotton production	G.86 /G.94/ G.87/ G.45/ G. 92/ G.95	350	770,000
	BCI cotton production	G.94/ G.96/ G.92	2,000	4,400,000
<u>2022/2023</u>	Organic cotton production	G.86 /G.94/ G.87/ G.45/ G. 92/ G.95	350	770,000
	BCI cotton production	G.94/ G.96/ G.92/ G86 / G95	7,300	16,000,000
<u>2023/2024</u>	Organic cotton production	G.86 /G.94/ G.87/ G.45/ G. 92/ G.95	701.66	1,545,546
	BCI cotton production	G.94/ G.96/ G.92/ G86 / G95	72,520	159,689,040

Average Export Prices

Region	Variety	Average prices (Cent/lb) FOB Alexandria			(US \$/Kg) FOB Alexandria -Fiber
		2020/2021	2021/2022	2023/2024 (29/8/2024)	2023/2024 (29/8/2024)
LS Delta	G.86	175	260	144	3.14
	G.97 New	-		170	3.75
	G.94	190		148	3.26
LS Upper	G.95	157	225	130	2.87
ELS	G.96	165	310	151	3.33
	G.92	140		190	4.19