



Physical Fiber Properties of Egyptian Cotton Varieties
Measured By HVI & Micromat
From 1/9/2023 Until 11 /07/ 2024 season 2023 /2024

variety																			
	extraG45	extra G87	extraG96	ExtraG96 BCI	Extra G93	ExtraG 92	Extra G92bci	'extraG92 propagation	extraG92 Bio-cotton	extraG92 reel cotton	superG94	super G94 propagation	super G94Bci	super G94Bci propagation	Super G86	Super G97	G95	G95 propagation	G98
Mic Reading u/inch	2.94	3.25	4.00	4.03	3.06	3.52	3.55	3.54	3.28	3.55	3.84	3.87	4.00	3.84	4.54	4.07	4.15	4.13	4.14
Upper Half Mean Length	35.12	36.80	35.96	36.21	37.01	33.32	33.10	33.52	32.96	34.66	34.38	34.53	34.61	34.82	33.02	33.68	29.28	29.13	31.45
Uniformity Index %	87.2	89.3	87.9	88.3	88.4	86.8	87.0	88.0	86.8	87.8	87.1	87.3	86.9	87.3	86.8	86.4	83.8	84.0	85.9
Short fiber Index %	5.5	5.4	5.4	5.4	5.4	5.8	5.9	5.8	6.0	5.8	5.6	5.5	5.5	5.5	5.9	5.8	7.9	7.9	7.2
Strength (gm/tex)	42.1	42.1	45.3	45.1	44.1	45.5	45.7	46.9	44.1	44.3	40.7	41.1	40.5	41.2	44.5	43.1	36.3	36.2	36.9
Reflectance Rd	69.9	72.2	74.4	75.2	64.5	76.0	75.8	75.5	75.1	77.6	74.9	76.3	75.6	77.0	73.9	74.4	67.8	65.8	67.3
Yellowness +b	9.2	9.0	9.2	9.1	11.3	8.8	8.7	8.9	9.2	8.2	9.1	9.1	9.3	9.0	9.1	9.1	12.0	11.9	12.5
SCI	211	222	218	220	222	214	214	223	210	218	199	203	197	204	199	199	155		171
Maturity (%)	83	87	83	81	72	78	77	78	76	78	81	81	82	82	85	82	84	84	86
Hair Weight (m.tex)	124	115	153	151	118	138	138	138	136	138	151	152	152	152	164	152	154	154	157
Trash %	4.7	4.1	3.3	3.1	4.2	3.5	3.5	3.5	3.8	2.7	3.6	3.1	3.2	3.1	3.7	3.3	3.7	4.6	3.5
Neps Count/gram	219	227	138	126	193	177	173	173	201	179	169	175	173	173	137	153	140	139	158
No s of Samples	5	1	182	116	6	46	76	4	4	1	2423	79	148	78	240	63	230	63	3

Tested by USDA Mode .

General Manager
/ Mohamed AbdHafiez