



Physical Fiber Properties of Egyptian Cotton Varieties
Measured By HVI & Micromat
From 1/9/2023 Until 21 /03/ 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	3.98	3.99	3.05	3.48	3.54	3.54	3.28	3.55	3.86	3.87	4.05	3.84	4.55	4.08	4.15	4.13	4.14
Upper Half Mean Length	35.12	36.80	36.03	36.27	37.02	33.79	33.18	33.52	32.96	34.66	34.49	34.53	34.85	34.81	33.08	33.67	29.28	29.13	31.45
Uniformity Index %	87.2	89.3	88.3	88.4	88.4	87.5	87.0	88.0	86.8	87.8	87.3	87.3	87.6	87.3	86.9	86.4	83.8	84.0	85.9
Short fiber Index %	5.5	5.4	5.4	5.4	5.4	5.7	5.9	5.8	6.0	5.8	5.5	5.5	5.5	5.5	5.9	5.8	7.9	7.9	7.2
Strength (gm/tex)	42.1	42.1	45.7	45.2	44.1	46.2	45.8	46.9	44.1	44.3	40.9	41.1	41.5	41.1	44.7	43.1	36.3	36.2	36.9
Reflectance Rd	69.9	72.2	74.4	75.1	64.0	76.9	75.9	75.5	75.1	77.6	75.0	76.3	76.9	76.9	73.9	74.5	67.8	65.8	67.3
Yellowness +b	9.2	9.0	9.2	9.1	11.5	8.6	8.7	8.9	9.2	8.2	9.1	9.1	9.2	9.0	9.0	9.1	12.0	11.9	12.5
SCI	211	222	222	221	222	221	215	223	210	218	201	203	205	204	200	199	155	154	171
Maturity (%)	83	87	83	81	72	79	77	78	76	78	82	81	83	82	84	82	84	84	86
Hair Weight (m.tex)	124	115	153	151	118	139	138	138	136	138	152	152	154	152	164	152	154	154	157
Trash %	4.8	4.1	3.1	3.0	4.7	3.7	3.6		3.8	2.7	3.7	3.2	3.4	3.1	3.9	3.4	3.8	4.6	3.5
Neps Count/gram	219	227	131	120	193	195	173		201	179	168	175	181	175	133	155	137	139	158
No s of Samples	5	1	92	64	5	19	58	4	4	1	1538	79	31	77	168	59	230	63	3

Tested by USDA Mode .