

Physical Fiber Properties of Egyptian Cotton Varieties

Measured By HVI & Micromat

From 1/9/2024 Until 31/05/ 2025 season 2024 /2025



variety														
property	ExtraG45	ExtraG87	ExtraG93	Super G97 propagation	Super G97	ExtraG96	ExtraG96 BCI	ExtraG 92	ExtraG 92 BIO-Co	Extra G96 propagation	ExtraG92 propagation	ExtraG92 Bci	ExtraG92 Bci propagation	ExtraG92 reel propagation
Mic Reading u/inch	3.38	3.50	3.12	3.69	3.74	3.84	3.95	3.66	3.44	3.85	3.76	3.71	3.61	3.93
Upper Half Mean Length	35.99	36.59	37.14	33.71	33.76	36.32	36.48	33.94	34.22	36.42	34.42	33.99	33.99	35.50
Uniformity Index %	87.7	88.1	87.7	86.0	85.9	87.6	87.8	87.2	88.7	87.8	87.9	87.4	88.0	88.7
Short fiber Index %	5.4	5.4	5.4	6.1	5.9	5.4	5.4	5.6	5.5	5.4	5.5	5.6	5.5	5.4
Strength (gm/tex)	43.6	43.4	44.8	42.1	42.8	45.3	45.5	46.3	47.1	45.4	46.6	46.1	46.4	46.6
Reflectance Rd	74.5	74.2	67.4	75.0	75.2	74.7	75.3	77.0	76.9	76.5	78.3	76.8	78.0	79.2
Yellowness +b	8.6	8.3	10.9	8.8	9.0	8.8	8.7	8.4	8.2	8.7	8.4	8.4	8.4	8.5
SCI	218	219	222	199	200	219	220	218	230	221	223	218	224	228
Maturity (%)	85	86	72	78	79	82	83	81	77.3	81	82	81	83	86
Hair Weight (m.tex)	124	126	131	147	149	152	153	141	139	151	142	141	143	147
Trash %	3.5	3.1	3.4	3.5	3.3	3.4	3.2	3.6			3.2	3.6	3.4	
Neps Count/gram	213	136	207	205	182	173	167	170			155	184	156	
No s of Samples	3	2	7	40	93	160	60	68	3	48	18	99	4	2

Tested by USDA Mode .

General Manager
 / Mohamed AbdlHafiez

