

Table 8. Effect of sesame varieties and planting density on competitive relationships and monetary advantage index in the combined data of the two seasons

variety	density	Relative yield			Agg		CR		AYL			IA			MAI
		RY (S)	RY (G)	Total LER	(S)	(G)	(S)	(G)	(S)	(G)	Total	(S)	(G)	Total	
A ₁	S ₁	0.74	0.52	1.26	+0.22	-0.22	1.42	0.70	-0.261	-0.478	-0.739	-156.6	-191.2	-347.8	1026.70
	S ₂	0.68	0.61	1.29	+1.09	-1.09	1.67	0.60	+0.700	+0.010	+0.710	+420.0	+4.0	+424.0	1149.3
	S ₃	0.54	0.70	1.24	+1.65	-1.65	1.54	0.65	+0.612	+0.054	+0.666	+367.2	+21.6	+388.8	909.86
Mean		0.65	0.61	1.26					+0.350	-0.138	+0.212	+210.2	-55.2	+155.0	1028.62
A ₂	S ₁	0.89	0.52	1.41	+0.37	-0.37	1.71	0.58	-0.114	-0.483	-0.597	-68.4	-193.2	-261.6	1598.75
	S ₂	0.76	0.65	1.41	+1.06	-1.06	1.75	0.57	+0.912	+0.089	+1.001	+547.2	+35.6	+582.8	1666.85
	S ₃	0.52	0.79	1.31	+1.61	-1.61	1.32	0.76	+0.311	+0.181	+0.492	+186.6	+72.4	+259.0	1314.40
Mean		0.72	0.65	1.37					+0.370	-0.071	+0.299	+221.8	-28.4	+208.4	1526.67
A ₃	S ₁	0.91	0.42	1.33	+0.49	-0.49	2.17	0.46	-0.096	-0.419	-0.509	-54.0	-167.6	-221.6	1273.23
	S ₂	0.84	0.51	1.35	+1.16	-1.16	2.47	0.41	+1.096	-0.155	+0.941	+657.6	-62.0	+595.6	1374.77
	S ₃	0.79	0.58	1.37	+1.71	-1.71	2.72	0.36	+1.371	-0.126	+1.245	+822.6	-50.4	+772.2	1364.00
Mean		0.84	0.50	1.35					+0.792	-0.233	+0.559	+475.4	-93.33	+381.83	1337.333
Mean over all	S ₁	0.84	0.49	1.33			1.77	0.58	-0.155	-0.460	-0.615	-93.0	-184.00	-277.00	1183.093
	S ₂	0.76	0.59	1.35			1.96	0.53	+0.903	-0.019	+0.884	+541.8	-7.47	+534.33	1396.973
	S ₃	0.62	0.69	1.31			1.86	0.59	+0.765	+0.036	+0.801	+458.8	+14.53	+473.33	1101.90

S₁ = sesame 100% S₂ = sesame 67% S₃ = sesame 50% A₁ = Shandaweel 3 A₂ = Toshka 1 A₃ = Giza 32