

Table (1): Means of leaf area indices for 21 F₁'s grown at different locations in four consecutive growing seasons with the regression response index (b_i), (β) and s²_{di}.

Season	2000		2001			2002			2003		Mean	b _i ±s.e	β	s ² _{di}
Environments F ₁ 's	F E1	EL E2	F E3	EL E4	M. E5	F E6	EL E7	M E8	F E9	EL E10				
1 x 2	7.250	5.527	7.593	3.580	4.590	6.393	5.317	5.010	6.157	5.263	5.668	0.971±0.063	-0.029	0.053**
1 x 3	6.590	5.110	6.043	3.570	4.200	5.497	5.023	3.570	5.863	3.957	4.942	0.819±0.100	-0.181	0.135**
1 x 4	6.657	4.900	6.750	3.770	3.910	5.890	4.950	3.900	6.010	4.517	5.125	0.901±0.071	-0.099	0.068**
1 x 5	6.417	5.210	6.717	3.450	3.937	5.760	4.723	3.927	5.737	4.053	4.993	0.901±0.079	-0.099	0.084**
1 x 6	5.517	4.163	6.820	2.613	3.957	4.963	4.103	4.060	5.727	4.250	4.617	0.859±0.134	-0.141	0.242**
1 x 7	6.443	4.503	5.877	2.890	3.547	5.070	4.010	4.597	5.840	4.487	4.726	0.868±0.080	-0.132	0.085**
2 x 3	7.877	5.420	6.150	3.663	4.340	5.620	5.283	4.620	5.833	3.953	5.276	0.941±0.113	-0.059	0.171**
2 x 4	7.710	5.527	6.403	3.420	3.910	5.910	5.047	4.530	7.300	5.293	5.505	1.057±0.125	0.057	0.210**
2 x 5	7.677	5.670	7.650	3.830	3.590	6.567	5.483	5.107	7.390	5.72	5.868	1.143±0.116	0.143	0.179**
2 x 6	7.910	5.197	6.873	3.250	3.577	5.003	4.627	4.167	5.743	4.467	5.081	1.136±0.100	0.136	0.133**
2 x 7	7.797	5.437	6.520	3.770	3.787	5.333	5.303	4.947	5.877	4.173	5.294	0.965±0.107	-0.035	0.154**
3 x 4	7.583	5.267	6.950	3.237	3.517	5.973	4.270	3.897	5.457	4.397	5.055	1.170±0.072	0.170	0.069**
3 x 5	6.503	5.157	5.620	2.887	3.713	6.117	4.563	4.567	5.543	3.843	4.851	0.883±0.099	-0.117	0.131**
3 x 6	6.450	3.833	5.873	2.760	3.300	5.737	4.023	4.120	4.637	4.043	4.514	0.926±0.085	-0.074	0.096**
3 x 7	7.947	4.297	5.877	2.643	3.090	5.740	4.307	4.083	5.300	4.343	4.763	1.214±0.093	0.214*	0.115**
4 x 5	6.970	4.790	5.590	2.710	3.353	6.140	4.300	4.610	6.083	4.463	4.901	1.021±0.105	0.021	0.148**
4 x 6	7.373	4.063	6.583	2.940	3.540	5.953	4.173	3.917	4.760	4.653	4.796	1.109±0.101	0.109	0.137**
4 x 7	7.120	4.440	6.740	2.560	3.317	5.977	4.693	4.040	5.057	4.347	4.829	1.163±0.063	0.163	0.054**
5 x 6	6.380	4.050	6.230	2.997	3.390	5.937	3.387	4.093	4.710	3.853	4.403	0.970±0.105	-0.030	0.147**
5 x 7	7.527	3.397	6.540	2.957	3.380	5.587	4.203	4.550	4.510	3.363	4.601	1.142±0.152	0.142	0.310**
6 x 7	6.493	4.450	6.850	3.447	4.487	6.050	5.373	4.260	5.860	4.823	5.209	0.841±0.095	-0.159	0.121**
Means	7.057	4.781	6.488	3.188	3.735	5.772	4.627	4.313	5.685	4.411	5.006			

F = favourable conditions (Assiut University Faculty of Agric. Experimental Farm).

EL = Strongly stressed (El-Ghoraieb Experimental Farm).

M = Moderately stressed (Mallawy Agric. Res. Station, ARC)

* Significant (P<0.05), ** highly significant (P<0.01) linear regression when tested against its own pooled deviation M.S.

LSD 5% = 0.134

LSD 1% = 0.176

