

Table 1 Mean square values of variance for various quantitative traits in cowpea under water-stressed

(WS) and well-watered (WW) conditions								
SV	Df	PH6wks(cm)	TLA (cm²)	NL	NDF	NDR	NSP	PL (cm)
Rep.	2	13.47	4.41	6.58	1.35	3.40	0.72	0.54
Genotypes	9	22.82*	585.09*	200.96*	140.08*	248.29*	14.75*	25.47*
Env.	1	2041.67*	2137.26*	2063.8*	413.44*	192.60*	138.93*	90.78*
G×E	9	34.19*	46.77*	225.27*	21.43*	11.88*	11.52*	3.32*
Error	38	3.07	7.86	3.05	0.62	0.78	1.12	0.64
SV	Df	100SW (g)	TSW (g)	SC (mm)	RWC	NB		
Rep.	2	2.22	2.58	345.60	0.00	0.22		
Genotypes	9	68.66*	101.42*	3160.50*	0.01*	1.16*		
Env.	1	67.84*	1752.84*	30397.50*	0.64*	13.44*		
G×E	9	5.37*	123.87*	3874.50*	0.01*	1.10*		
Error	38	1.19	7.15	526.50	0.00	0.37		

Note: * = highly significant at $p \leq 0.05$; PH6wks= plant height at six weeks; TLA = terminal leaflet area; NL = number of leaves per plant; NDF = number of days to 50% flowering; NDR = number of days to 50% ripe pod; NPP = number of pods per plant; NSP = number of seeds per pod; PL = pod length; 100SW = 100 seed weight; TSW = total seed weight; RWC = relative water content and NB = number of branches per plant