Appendices

Appendix Table 1: ANOVA mean initial and final disease incidence of groundnut varieties at Babile during 2010 main cropping season.

Source of variation	Degree of freedom	Mean square	
		87 DAP	**85 DAP**
Treatment	8	219.168***	385.921***
Block	2	36.875ns	1.452ns
Error	16	17.23	0.596
Mean		65.1	77.51
R^2		0.86	0.99

R^2= Coefficient of determination, ***= very highly significant ($p \leq 0.001$), ns = non significant ($p \geq 0.05$), DAP= days after planting

Appendix Table 2: ANOVA means severity of different assessment days of groundnut varieties at Babile during 2010 main cropping season.

Source of variation	Degree of freedom	Mean square						
		78 DAP	**85 DAP**	**92 DAP**	**99 DAP**	**106DAP**	**113 DAP**	**120DAP**
Treatment	8	6.487***	9.788***	10.895***	19.670***	66.780***	117.167***	118.370***
Block	2	0.181ns	0.009ns	0.178ns	0.329ns	0.934ns	0.271ns	0.058ns
Error	16	0.191	0.215	0.066	0.205	0.267	0.331	0.349
Mean		21.53	22.19	23.14	27.79	30.43	50.24	51.78
R2		0.96	0.95	0.98	0.97	0.99	0.99	0.99

R^2= Coefficient of determination, ***= very highly significant ($p \leq 0.001$), ns = non significant ($p \geq 0.05$), DAP= days after planting, S.V=Source of variation, DF= Degree of freedom.

Appendix Table 3: ANOVA mean AUDPC and disease progress rate of groundnut varieties evaluated at Babile during 2010 main cropping season.

Source of variation	Degree of freedom	Mean square	
		AUDPC	**Disease progress rate**
Treatment	8	5817.660***	0.0000937***
Block	2	2.550ns	0.000018ns
Error	16	4.447	0.0000085
Mean		357.19	0.019
R^2		0.99	0.87

R^2= Coefficient of determination, ***= very highly significant ($P \leq 0.001$), ns = non significant ($p \geq 0.05$), AUDPC =area under disease progress curve.

Appendix Table 4: ANOVA mean of yield and yield component of groundnut varieties evaluated at Babile during 2010 main cropping season.

Source of variation	Degree of freedom	Mean square					
		YPH(kg/ha)	HSW(g)	PPP	SPP	SCH	SP (%)
Treatment	8	83207.145^{***}	93.696^{***}	69.921^{***}	0.0202^{***}	119.064^{***}	121.301^{***}
Block	2	599.040^{ns}	0.410^{ns}	14.445^{ns}	0.001^{ns}	0.259^{ns}	10.260^{ns}
Error	16	1233.127	1.115	4.232	0.001	1.759	8.726
Mean		1075.05	57.15	18.25	1.9	33.74	67.91
R^2		0.97	0.97	0.89	0.89	0.97	0.87

R^2= Coefficient of determination, ***= very highly significant ($p \leq 0.001$), ns = non significant ($p \geq 0.05$), YPH (kg/ha) = yield per hectare, HSW (g) = hundred seed weight, PPP= pod per plant, SPP= seed per pod, SCH= stand count at harvest, SP (%) = shelling percentage.