Appendix A: Normality tests

Table 1:Tests of Normality[c] for Plant length

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Plant	SCG 10%	.207	12	.163	.851	12	.038
length	SCG 25%	.176	3	.	1.000	3	.984
	SCG 5%	.159	17	.200[*]	.933	17	.242
	SCGT 1 gm	.164	6	.200[*]	.952	6	.760
	SCGT 2.5 gm	.162	9	.200[*]	.964	9	.843
	CF	.147	34	.060	.953	34	.154
	SCGT 0.5 gm	.176	6	.200[*]	.975	6	.923
	C	.122	31	.200[*]	.954	31	.195
	VC 10%	.172	9	.200[*]	.904	9	.275
	VC 25%	.174	10	.200[*]	.959	10	.774
	VC 50%	.235	9	.165	.897	9	.237

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

c. Plant lenght is constant when Fertilizers = Coffee 50% and soil 50%. It has been omitted.

SCG 5%=Coffee 5% and soil 95%,**SCG 10%**=Coffee 10% and soil 90%,**SCG 25%**=Coffee 25% and soil 75%,**SCG 50%**=Coffee 50% and soil 50%,**SCGT 0.5 gm** =Coffee (0.5 gram) topdressing on soil,**SCGT 1 gm** =Coffee (1 gram) topdressing on soil,**SCGT 2.5 gm**= Coffee (2.5 grams) topdressing on soil,**VC 10%**=Vermicompost 10% and soil 90%,**VC 25%**=Vermicompost 25% and soil 75%,**VC 50%**=Vermicompost 50 % and Soil 50%,**CF**=Chemical fertilizers (CF) (1 gram) topdressing on soil + 1 litter of water,**C**=Control General Media (GM) which was Seed Starter Potting Mix (no treatment).

Table 2:Tests of Normality[b] for Fresh weight

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Fresh	SCG 10%	.223	12	.102	.834	12	.024
weight	SCG 25%	.318	3	.	.886	3	.344
	SCG 5%	.173	17	.189	.864	17	.018
	SCGT 1 gm	.216	6	.200[*]	.969	6	.889
	SCGT 2.5 gm	.179	9	.200[*]	.910	9	.318
	CF	.121	34	.200[*]	.960	34	.248

	Statistic	df	Sig.	Statistic	df	Sig.
SCGT 0.5 gm	.217	6	.200*	.948	6	.722
C	.119	31	.200*	.946	31	.120
VC 10%	.189	8	.200*	.953	8	.740
VC 25%	.232	10	.137	.846	10	.052
VC 50%	.211	9	.200*	.947	9	.659

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

b. Fresh weight is constant when Fertilizers = Coffee 50% and soil 50%. It has been omitted.

SCG 5%=Coffee 5% and soil 95%,**SCG 10%**=Coffee 10% and soil 90%,**SCG 25%**=Coffee 25% and soil 75%,**SCG 50%**=Coffee 50% and soil 50%,**SCGT 0.5 gm** =Coffee (0.5 gram) topdressing on soil,**SCGT 1 gm** =Coffee (1 gram) topdressing on soil,**SCGT 2.5 gm**= Coffee (2.5 grams) topdressing on soil,**VC 10%**=Vermicompost 10% and soil 90%,**VC 25%**=Vermicompost 25% and soil 75%,**VC 50%**=Vermicompost 50 % and Soil 50%,**CF**=Chemical fertilizers (CF) (1 gram) topdressing on soil + 1 litter of water,**C**=Control General Media (GM) which was Seed Starter Potting Mix (no treatment).

Table 3:Tests of Normality[b] for Dry weight

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Dry weight	SCG 10%	.360	12	.000	.780	12	.006
	SCG 25%	.320	3	.	.883	3	.332
	SCG 5%	.307	17	.000	.822	17	.004
	SCGT 1 gm	.206	6	.200*	.894	6	.340
	SCGT 2.5 gm	.203	9	.200*	.950	9	.686
	CF	.192	34	.003	.925	34	.022
	SCGT 0.5 gm	.270	6	.197	.890	6	.321
	C	.133	31	.170	.934	31	.057
	VC 10%	.128	9	.200*	.968	9	.878
	VC 25%	.181	10	.200*	.941	10	.568
	VC 50%	.173	9	.200*	.898	9	.238

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

b. Dry weight is constant when Fertilizers = Coffee 50% and soil 50%. It has been omitted.

Table 4:Tests of Normality[c] for Leave measures

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Leave measures	SCG 10%	.148	12	.200[*]	.973	12	.939
	SCG 25%	.201	3	.	.994	3	.856
	SCG 5%	.207	17	.052	.909	17	.097
	SCGT 1 gm	.176	6	.200[*]	.932	6	.597
	SCGT 2.5 gm	.408	9	.000	.684	9	.001
	CF	.124	34	.200[*]	.952	34	.137
	SCGT 0.5 gm	.252	6	.200[*]	.916	6	.480
	C	.111	31	.200[*]	.948	31	.137
	VC 10%	.211	9	.200[*]	.916	9	.360
	VC 25%	.246	10	.087	.888	10	.161
	VC 50%	.218	9	.200[*]	.903	9	.267

[*]. This is a lower bound of the true significance.
a. Lilliefors Significance Correction
c. Leave measures is constant when Fertilizers = Coffee 50% and soil 50%. It has been omitted.

Table 5:Tests of Normality[b] for Leave surface area

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Leave surface area	SCG 10%	.216	12	.129	.836	12	.025
	SCG 25%	.385	3	.	.750	3	.000
	SCG 5%	.280	17	.001	.845	17	.009
	SCGT 1 gm	.237	6	.200[*]	.938	6	.642
	SCGT 2.5 gm	.290	9	.028	.862	9	.102
	CF	.109	34	.200[*]	.980	34	.761
	SCGT 0.5 gm	.203	6	.200[*]	.915	6	.470
	C	.537	31	.000	.270	31	.000
	VC 10%	.200	9	.200[*]	.961	9	.809
	VC 25%	.188	10	.200[*]	.930	10	.448
	VC 50%	.155	9	.200[*]	.931	9	.487

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

b. Leave surface area is constant when Fertilizers = Coffee 50% and soil 50%. It has been omitted.

SCG 5%=Coffee 5% and soil 95%,**SCG 10%**=Coffee 10% and soil 90%,**SCG 25%**=Coffee 25% and soil 75%,**SCG 50%**=Coffee 50% and soil 50%,**SCGT 0.5 gm** =Coffee (0.5 gram) topdressing on soil,**SCGT 1 gm** =Coffee (1 gram) topdressing on soil,**SCGT 2.5 gm**= Coffee (2.5 grams) topdressing on soil,**VC 10%**=Vermicompost 10% and soil 90%,**VC 25%**=Vermicompost 25% and soil 75%,**VC 50%**=Vermicompost 50 % and Soil 50%,**CF**=Chemical fertilizers (CF) (1 gram) topdressing on soil + 1 litter of water,**C**=Control General Media (GM) which was Seed Starter Potting Mix (no treatment).