Table S1: Effect of different fertilizers on plant growth (plant, shoot and root length)

Treatments	Plant length (cm)	Shoot length (cm)	Root length (cm)
V 10%	28.5182	20.5182	9.1364
V 25%	24.6000	15.5636	9.0727
V 50%	0.0000	0.0000	0.0000
F 10%	15.7814	9.6857	0.4759
F 25%	24.3182	14.1273	3.4870
F 50%	10.5000	6.7500	0.2908
FV 10%	37.4389	20.8222	34.0204
FV 25%	21.9474	14.9211	11.8927
FV 50%	0.0000	0.0000	0.0000
M 10%	15.5167	10.0000	39.4033
M 25%	9.9000	6.7333	0.2503
M 50%	0.0000	0.0000	0.0000
B 10%	31.0417	26.5833	36.4973
B 25%	23.2500	22.2500	2.5475
B 50%	0.0000	0.0000	0.0000
CO 10%	23.8059	13.1882	12.3285
CO 25%	20.9569	11.7609	7.7288
CO 50%	6.3222	5.1556	0.3280
VC 10%	34.0000	17.5000	35.4101
VC 25%	32.1400	19.2500	30.1770
VC 50%	40.5889	22.4778	49.5120
CF	36.2941	20.9412	30.99368
C	35.1677	19.6194	30.4251

Table S2: Effect of different fertilizers on root diameter and fresh weight

Treatments	Root Diameter (cm)	Fresh weight (gm)
V 10%	9.9636	46.1777
V 25%	4.2818	22.5200
V 50%	0.0000	0.0000
F 10%	0.4714	0.4759
F 25%	1.6000	3.4870
F 50%	0.5000	0.2908
FV10%	6.6000	34.0204
FV 25%	5.3211	11.8927
FV 50%	0.0000	0.0000
M 10%	7.3083	39.4033
M 25%	0.5000	0.2503
M 50%	0.0000	0.0000
B 10%	11.000	36.4973
B 25%	1.1000	2.5475
B 50%	0.0000	0.0000
CO 10%	6.4471	12.3285
CO 25%	4.7391	7.7288

CO 50%	0.3556	0.3280
VC 10%	10.8889	35.4101
VC 25%	10.1700	30.1770
VC 50%	12.7444	49.5120
CF	12.0176	30.99368
C	8.8610	30.4251

Table S3: Effect of different fertilizers on Leaves

Treatments	Leaves Number	Leaves Height	Leaves Width	LSA
V 10%	6.8182	11.3273	8.5455	86.0000
V 25%	5.2727	8.6000	8.0000	11.0890
V 50%	0.0000	0.0000	0.0000	0.0000
F 10%	3.7143	5.2167	3.3286	22.0931
F 25%	5.0000	9.3182	6.5455	29.3625
F 50%	4.0000	2.5333	1.8667	4.9590
FV 10%	6.6111	13.7000	7.2111	80.0330
FV 25%	5.7695	6.8158	4.5632	33.7100
FV 50%	0.0000	0.0000	0.0000	0.0000
M 10%	5.0000	4.8000	4.3000	11.8856
M 25%	3.3333	1.8333	1.9667	2.9350
M 50%	0.0000	0.0000	0.0000	0.0000
B 10%	6.5000	12.8667	7.8500	33.4200
B 25%	5.0000	8.4500	5.6250	25.1150
B 50%	0.0000	0.0000	0.0000	0.0000
CO 10%	5.7647	5.7588	4.2059	30.5203
CO 25%	6.2609	5.5652	3.5000	20.8151
CO 50%	3.2222	2.2444	2.0000	5.7483
VC 10%	6.5556	9.0000	5.8889	42.1577
VC 25%	6.6000	11.3556	6.2800	34.5599
VC 50%	7.1111	10.7000	8.0000	56.1109
CF	6.5588	7.7353	5.6471	46.4809
C	6.0000	9.5419	6.3452	57.5000

Table S4: Effect of different fertilizers on shoot and root weight

Treatments	Shoot fresh weight	Root fresh weight
V 10%	45.4767	0.3078
V 25%	3.2480	0.0555
V 50%	0.0000	0.0000
F 10%	0.4661	0.0091
F 25%	3.4510	0.0442
F 50%	0.2822	0.0048
FV10%	32.9447	0.8753
FV 25%	11.8751	0.1314
FV50%	0.0000	0.0000

M 10%	1.2998	0.0218
M 25%	0.5412	0.0007
M 50%	0.0000	0.0000
B 10%	25.1183	0.1890
B 25%	2.4690	0.0763
B 50%	0.0000	0.0000
CO10%	11.9115	0.4540
CO 25%	8.0393	0.8000
CO 50%	0.4423	0.0062
VC 10%	38.2296	0.8640
VC 25%	37.2520	1.1438
VC 50%	48.5779	1.1684
CF	31.4212	0.7950
C	26.5437	0.8032

Table S5: Effect of different fertilizers on shoot and root dry weight

Treatments	Shoot Dry weight	Root Dry weight
V10%	3.2962	0.1054
V25%	0.7407	0.0301
V50%	0.0000	0.0000
F10%	0.0552	0.0060
F25%	0.3088	0.0321
F50%	0.0331	0.0057
FV 10%	1.7163	0.0581
FV 25%	1.8851	0.1024
FV 50%	0.0000	0.0000
M 10%	0.1050	0.0042
M 25%	0.0213	0.0033
M 50%	0.0000	0.0000
B 10%	2.3787	0.0507
B 25%	0.3378	0.0365
B 50%	0.0000	0.0000
CO 10%	3.9157	0.9362
CO 25%	0.3923	0.0650
CO 50%	0.0111	0.0004
VC 10%	9.2138	0.4398
VC 25%	6.7700	0.5084
VC 50%	5.3311	0.2434
CF	3.1188	0.3837
C	3.1070	0.1452

Appendix A (Normality tests)

Table 1: Tests of Normality Plant length

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Plant length	FV 25%	.176	19	.123	.901	19	.050
(composite score)	B 25%	.255	4	.	.879	4	.335
	B 10%	.135	12	.200[*]	.934	12	.423
	CF	.147	34	.060	.953	34	.154
	CO 10%	.199	17	.072	.932	17	.239
	CO 25%	.168	23	.091	.958	23	.423
	CO 50%	.239	9	.145	.860	9	.096
	C	.122	31	.200[*]	.954	31	.195
	F 10%	.247	7	.200[*]	.908	7	.380
	F 25%	.152	11	.200[*]	.968	11	.864
	F 50%	.255	6	.200[*]	.852	6	.163
	FV 10%	.096	18	.200[*]	.938	18	.271
	M 10%	.284	6	.141	.880	6	.271
	M 25%	.375	3	.	.773	3	.052
	V 10%	.169	11	.200[*]	.934	11	.456
	V 25%	.204	11	.200[*]	.893	11	.150
	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

Control C= general media, V 10% = 10% (10 parts of vegetable waste and 90 parts GM),**V** 25% = 25% (25 parts of vegetable waste and 75 parts GM), **V** 50% = 50% (50 parts of vegetable waste and 50 parts GM). **F** 10% = 10% (10 parts of fruit waste and 90 parts GM), **F** 25% = 25% (25 parts of fruit waste and 75 parts GM), **F** 50% = 50% (50 parts of fruit waste and 50 parts GM), **FV** 10% = 10% (10 parts of fruit and vegetable waste and 90 parts GM), **FV** 25% = 25% (25 parts of fruit and vegetable waste and 75 parts GM), **FV** 50% = 50% (50 parts of fruit and vegetable waste and 50 parts GM), **M** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **M** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **M** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **B** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **B** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **B** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **CO** 10% = 10% (10 parts of green and brown materials and 90 parts GM), **CO** 25% = 25% (25 parts of green and brown materials and 75 parts GM), **CO** 50% = 50% (50 parts of green and brown materials and 50 parts GM), **VC** 10% = 10% (10 parts of vermicompost product and 90 parts GM), **VC** 25% = 25% (25 parts of vermicompost product and 75 parts GM), **VC** 50% = 50% (50 parts of vermicompost product and 50 parts GM), Chemical Fertilizer = **CF.**

Table 2: Tests of Normality Fresh weight

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Fresh weight	FV 25%	.237	19	.006	.840	19	.005
	B 25%	.266	4	.	.856	4	.246
	B 10%	.244	12	.046	.829	12	.020
	CF	.121	34	.200*	.960	34	.248
	CO 10%	.169	17	.200*	.891	17	.047
	CO 25%	.233	23	.002	.829	23	.001
	CO 50%	.139	9	.200*	.931	9	.495
	C	.119	31	.200*	.946	31	.120
	F 10%	.246	7	.200*	.797	7	.038
	F 25%	.193	11	.200*	.914	11	.272
	F 50%	.255	6	.200*	.867	6	.214
	FV 10%	.161	18	.200*	.927	18	.169
	M 10%	.388	6	.005	.696	6	.006
	M 25%	.273	3	.	.945	3	.548
	V 10%	.253	11	.047	.866	11	.069
	V 25%	.528	11	.000	.345	11	.000
	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

Control C= general media, V 10% = 10% (10 parts of vegetable waste and 90 parts GM),**V** 25% = 25% (25 parts of vegetable waste and 75 parts GM), **V** 50% = 50% (50 parts of vegetable waste and 50 parts GM). **F** 10% = 10% (10 parts of fruit waste and 90 parts GM), **F** 25% = 25% (25 parts of fruit waste and 75 parts GM), **F** 50% = 50% (50 parts of fruit waste and 50 parts GM), **FV** 10% = 10% (10 parts of fruit and vegetable waste and 90 parts GM), **FV** 25% = 25% (25 parts of fruit and vegetable waste and 75 parts GM), **FV** 50% = 50% (50 parts of fruit and vegetable waste and 50 parts GM), **M** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **M** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **M** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **B** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **B** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **B** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **CO** 10% = 10% (10 parts of green and brown materials and 90 parts GM), **CO** 25% = 25% (25 parts of green and brown materials and 75 parts GM), **CO** 50% = 50% (50 parts of green and brown materials and 50 parts GM), **VC** 10% = 10% (10 parts of vermicompost product and 90 parts GM), **VC** 25% = 25% (25 parts of vermicompost product and 75 parts GM), **VC** 50% = 50% (50 parts of vermicompost product and 50 parts GM), Chemical Fertilizer = **CF.**

Table 3: Tests of Normality Dry weight

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Dry weight	FV 25%	.198	19	.048	.837	19	.004
	B 25%	.203	4	.	.959	4	.773
	B 10%	.181	12	.200[*]	.863	12	.053
	CF	.192	34	.003	.925	34	.022
	CO 10%	.367	17	.000	.655	17	.000
	CO 25%	.219	23	.006	.874	23	.008
	CO 50%	.259	9	.082	.850	9	.074
	C	.133	31	.170	.934	31	.057
	F 10%	.195	7	.200[*]	.910	7	.399
	F 25%	.208	11	.200[*]	.934	11	.457
	F 50%	.303	6	.089	.844	6	.141
	FV 10%	.194	18	.072	.857	18	.011
	M 10%	.264	6	.200[*]	.838	6	.126
	M 25%	.189	3	.	.998	3	.908
	V 10%	.156	11	.200[*]	.937	11	.484
	V 25%	.348	11	.001	.709	11	.001
	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

Control C= general media, V 10% = 10% (10 parts of vegetable waste and 90 parts GM),**V** 25% = 25% (25 parts of vegetable waste and 75 parts GM), **V** 50% = 50% (50 parts of vegetable waste and 50 parts GM). **F** 10% = 10% (10 parts of fruit waste and 90 parts GM), **F** 25% = 25% (25 parts of fruit waste and 75 parts GM), **F** 50% = 50% (50 parts of fruit waste and 50 parts GM), **FV** 10% = 10% (10 parts of fruit and vegetable waste and 90 parts GM), **FV** 25% = 25% (25 parts of fruit and vegetable waste and 75 parts GM), **FV** 50% = 50% (50 parts of fruit and vegetable waste and 50 parts GM), **M** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **M** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **M** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **B** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **B** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **B** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **CO** 10% = 10% (10 parts of green and brown materials and 90 parts GM), **CO** 25% = 25% (25 parts of green and brown materials and 75 parts GM), **CO** 50% = 50% (50 parts of green and brown materials and 50 parts GM), **VC** 10% = 10% (10 parts of vermicompost product and 90 parts GM), **VC** 25% = 25% (25 parts of vermicompost product and 75 parts GM), **VC** 50% = 50% (50 parts of vermicompost product and 50 parts GM), Chemical Fertilizer = **CF.**

Table 4: Tests of Normality Leave measurements

	Fertilizers	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Leave measurements	FV 25%	.159	19	.200[*]	.949	19	.386
	B 25%	.351	4	.	.862	4	.269
	B 10%	.215	12	.131	.873	12	.072
	CF	.124	34	.200[*]	.952	34	.137
	CO 10%	.167	17	.200[*]	.933	17	.241
	CO 25%	.163	23	.114	.920	23	.067
	CO 50%	.175	9	.200[*]	.936	9	.539
	C	.111	31	.200[*]	.948	31	.137
	F 10%	.233	7	.200[*]	.892	7	.287
	F 25%	.162	11	.200[*]	.961	11	.781
	F 50%	.250	6	.200[*]	.877	6	.254
	FV 10%	.183	18	.116	.922	18	.138
	M 10%	.262	6	.200[*]	.913	6	.456
	M 25%	.237	3	.	.977	3	.706
	V 10%	.212	11	.180	.942	11	.546
	V 25%	.130	11	.200[*]	.920	11	.322
	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

Control C= general media, V 10% = 10% (10 parts of vegetable waste and 90 parts GM),**V** 25% = 25% (25 parts of vegetable waste and 75 parts GM), **V** 50% = 50% (50 parts of vegetable waste and 50 parts GM). **F** 10% = 10% (10 parts of fruit waste and 90 parts GM), **F** 25% = 25% (25 parts of fruit waste and 75 parts GM), **F** 50% = 50% (50 parts of fruit waste and 50 parts GM), **FV** 10% = 10% (10 parts of fruit and vegetable waste and 90 parts GM), **FV** 25% = 25% (25 parts of fruit and vegetable waste and 75 parts GM), **FV** 50% = 50% (50 parts of fruit and vegetable waste and 50 parts GM), **M** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **M** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **M** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **B** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **B** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **B** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **CO** 10% = 10% (10 parts of green and brown materials and 90 parts GM), **CO** 25% = 25% (25 parts of green and brown materials and 75 parts GM), **CO** 50% = 50% (50 parts of green and brown materials and 50 parts GM), **VC** 10% = 10% (10 parts of vermicompost product and 90 parts GM), **VC** 25% = 25% (25 parts of vermicompost product and 75 parts GM), **VC** 50% = 50% (50 parts of vermicompost product and 50 parts GM), Chemical Fertilizer = **CF.**

Table 5: Tests of Normality Leave surface area

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Fertilizers	Statistic	df	Sig.	Statistic	df	Sig.
Leave surface area	FV 25%	.278	19	.000	.809	19	.002
	B 25%	.347	4	.	.790	4	.086
	B 10%	.155	12	.200[*]	.930	12	.375
	CF	.109	34	.200[*]	.980	34	.761
	CO 10%	.221	17	.027	.839	17	.007
	CO 25%	.252	23	.001	.856	23	.004
	CO 50%	.214	9	.200[*]	.896	9	.228
	C	.537	31	.000	.270	31	.000
	F 10%	.327	7	.023	.779	7	.025
	F 25%	.448	11	.000	.572	11	.000
	F 50%	.407	6	.002	.640	6	.001
	FV 10%	.250	18	.004	.869	18	.017
	M 10%	.334	6	.035	.751	6	.020
	M 25%	.278	3	.	.940	3	.526
	V 10%	.287	11	.012	.776	11	.005
	V 25%	.492	11	.000	.486	11	.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

Control C= general media, V 10% = 10% (10 parts of vegetable waste and 90 parts GM),**V** 25% = 25% (25 parts of vegetable waste and 75 parts GM), **V** 50% = 50% (50 parts of vegetable waste and 50 parts GM). **F** 10% = 10% (10 parts of fruit waste and 90 parts GM), **F** 25% = 25% (25 parts of fruit waste and 75 parts GM), **F** 50% = 50% (50 parts of fruit waste and 50 parts GM), **FV** 10% = 10% (10 parts of fruit and vegetable waste and 90 parts GM), **FV** 25% = 25% (25 parts of fruit and vegetable waste and 75 parts GM), **FV** 50% = 50% (50 parts of fruit and vegetable waste and 50 parts GM), **M** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **M** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **M** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **B** 10% = 10% (10 parts of meat, fish and chicken waste and 90 parts GM), **B** 25% = 25% (25 parts of meat, fish and chicken waste and 75 parts GM), **B** 50% = 50% (50 parts of meat, fish and chicken waste and 50 parts GM), **CO** 10% = 10% (10 parts of green and brown materials and 90 parts GM), **CO** 25% = 25% (25 parts of green and brown materials and 75 parts GM), **CO** 50% = 50% (50 parts of green and brown materials and 50 parts GM), **VC** 10% = 10% (10 parts of vermicompost product and 90 parts GM), **VC** 25% = 25% (25 parts of vermicompost product and 75 parts GM), **VC** 50% = 50% (50 parts of vermicompost product and 50 parts GM), Chemical Fertilizer = **CF.**