

Soil type	N Treatment	pH	SOC	TN	C/N	Available N
Clay soil	0	6.10	16.41	1.39	11.81	135.10
	0	6.16	19.60	1.44	13.59	146.30
	0	6.14	16.50	1.45	11.35	100.80
	168	5.91	16.47	1.46	11.26	140.70
	168	5.99	16.98	1.38	12.29	126.00
	168	6.05	16.91	1.50	11.24	121.10
	240	6.04	17.10	1.41	12.09	127.40
	240	5.95	16.47	1.47	11.19	130.20
	240	5.89	16.60	1.40	11.84	126.70
	270	5.83	17.05	1.37	12.41	131.60
	270	5.92	16.05	1.44	11.19	135.10
	270	5.96	15.84	1.38	11.46	124.60
	312	5.86	13.63	1.46	9.32	137.20
	312	5.81	13.21	1.45	9.08	135.80
	312	6.00	14.10	1.38	10.23	134.40
Alluvial soil	0	5.88	12.08	1.20	10.08	83.30
	0	5.79	12.73	1.19	10.65	88.20
	0	5.72	13.86	1.15	12.04	88.20
	168	5.59	11.25	1.16	9.71	98.00
	168	5.49	10.82	1.11	9.77	93.80
	168	5.56	9.97	1.14	8.76	94.50
	240	5.68	10.83	1.11	9.77	99.40
	240	5.58	12.02	1.17	10.30	102.20
	240	5.61	10.78	1.03	10.44	105.00
	270	5.66	11.97	1.23	9.75	102.90
	270	5.56	12.92	1.19	10.89	101.50
	270	5.54	13.92	1.16	12.03	109.90
	312	5.53	10.54	1.16	9.05	101.50
	312	5.54	11.24	1.06	10.58	98.70
	312	5.61	10.70	1.06	10.10	114.10
Sandy soil	0	6.09	7.37	1.16	6.35	68.60
	0	6.07	7.88	1.10	7.13	49.70
	0	6.16	6.23	1.14	5.47	56.00
	168	5.68	8.20	1.08	7.61	60.20
	168	5.54	7.73	1.08	7.14	53.90
	168	5.42	7.57	1.10	6.86	81.90
	240	5.31	9.73	1.10	8.83	56.70
	240	5.24	8.66	1.11	7.81	70.00
	240	5.42	8.57	1.04	8.26	44.80
	270	5.15	9.88	1.15	8.58	76.30
	270	5.28	9.40	1.10	8.54	56.70
	270	5.30	10.35	1.15	9.01	56.00
	312	5.17	8.03	0.91	8.80	70.70
	312	5.25	9.35	1.10	8.46	51.80

	312	5.14	9.85	1.08	9.16	60.20
Soil type	N Treatment	Available P	Available K	Total biomass	Fungi	Gm+
Clay soil	0	42.22	217.42	6225.91	137.83	1206.19
	0	34.01	186.27	5792.26	128.26	1142.00
	0	21.05	182.25	4877.21	111.90	930.44
	168	34.55	193.30	4836.76	83.00	956.31
	168	51.81	172.21	5246.95	92.74	1029.24
	168	27.48	188.28	4745.67	80.91	924.59
	240	33.95	187.28	3650.90	69.02	715.06
	240	46.10	196.32	3973.96	70.52	768.33
	240	28.65	225.45	3813.96	66.96	756.51
	270	29.25	156.13	4408.42	81.67	873.96
	270	73.66	178.23	4616.26	83.81	921.61
	270	33.93	190.29	4324.97	83.93	839.54
	312	27.75	178.23	4481.59	78.93	905.29
	312	40.70	203.35	3717.70	64.26	737.15
	312	28.51	173.21	3743.75	73.11	751.14
Alluvial soil	0	11.25	144.08	2881.02	63.63	562.29
	0	30.70	190.29	3274.05	68.41	624.65
	0	31.64	183.26	3348.38	70.59	621.55
	168	37.24	153.12	4666.94	78.51	881.06
	168	34.60	128.00	4367.31	64.72	836.52
	168	29.44	155.13	4380.74	73.32	844.83
	240	30.41	136.04	4690.77	69.76	878.70
	240	31.89	134.03	4477.38	71.46	892.69
	240	23.97	127.00	5114.74	71.21	915.20
	270	31.63	133.03	4205.28	62.72	829.14
	270	37.66	140.06	4725.55	68.19	942.31
	270	29.11	136.04	4697.34	68.65	921.15
	312	32.00	146.09	4125.25	62.15	831.35
	312	26.92	113.94	4682.72	68.47	926.80
	312	29.06	165.17	4152.87	70.01	815.39
Sandy soil	0	20.28	145.08	4566.20	106.22	912.32
	0	13.43	111.93	4656.36	103.82	917.66
	0	18.67	131.02	4517.36	101.88	919.02
	168	11.83	101.88	3731.43	66.43	700.70
	168	20.47	131.02	3252.96	61.87	591.78
	168	14.22	112.93	3159.71	61.72	593.30
	240	17.35	138.05	3076.49	50.61	546.17
	240	21.82	98.87	3658.46	67.30	641.18
	240	10.85	95.86	3300.49	53.23	601.74
	270	18.49	139.05	3595.67	59.96	643.31
	270	21.08	156.13	3376.44	55.92	635.24
	270	12.42	136.04	3532.27	64.70	650.57

312	18.92	93.85	4328.66	93.66	796.86
312	11.83	140.06	4185.59	86.63	751.00
312	13.59	91.84	3985.10	79.35	744.49

Soil type	N Treatment	Gm-	Bacteria	Actinomycetes	F/B	Gm+/Gm-
Clay soil	0	1366.98	2573.17	757.40	0.05	0.88
	0	1279.23	2421.23	698.27	0.05	0.89
	0	1049.60	1980.05	579.20	0.06	0.89
	168	990.72	1947.03	548.80	0.04	0.97
	168	1109.34	2138.58	609.03	0.04	0.93
	168	971.60	1896.19	551.58	0.04	0.95
	240	795.74	1510.80	433.35	0.05	0.90
	240	869.42	1637.75	450.00	0.04	0.88
	240	831.51	1588.02	414.79	0.04	0.91
	270	893.71	1767.67	484.29	0.05	0.98
	270	959.13	1880.73	512.63	0.04	0.96
	270	870.68	1710.22	503.92	0.05	0.96
	312	933.92	1839.21	483.80	0.04	0.97
	312	726.51	1463.67	425.26	0.04	1.01
	Alluvial soil	0	784.93	1536.07	421.22	0.05
0		532.25	1094.54	289.67	0.06	1.06
0		580.30	1204.95	342.09	0.06	1.08
0		587.75	1209.30	320.69	0.06	1.06
168		848.78	1729.84	392.51	0.05	1.04
168		742.33	1578.85	434.00	0.04	1.13
168		778.36	1623.19	445.57	0.05	1.09
240		774.72	1653.43	481.12	0.04	1.13
240		748.17	1640.86	468.64	0.04	1.19
240		795.42	1710.63	478.66	0.04	1.15
270		748.91	1578.05	387.52	0.04	1.11
270		826.20	1768.51	447.28	0.04	1.14
270		789.14	1710.28	446.33	0.04	1.17
312		724.97	1556.31	411.15	0.04	1.15
Sandy soil		312	839.85	1766.65	465.31	0.04
	312	751.63	1567.02	402.96	0.04	1.08
	0	932.87	1845.19	437.39	0.06	0.98
	0	923.62	1841.28	413.32	0.06	0.99
	0	921.71	1840.73	432.40	0.06	1.00
	168	623.68	1324.37	360.63	0.05	1.12
	168	553.74	1145.52	284.14	0.05	1.07
	168	526.42	1119.72	276.46	0.06	1.13
	240	544.40	1090.57	293.96	0.05	1.00
	240	658.64	1299.82	356.21	0.05	0.97
	240	578.49	1180.22	320.16	0.05	1.04
	270	677.77	1321.08	363.86	0.05	0.95

270	627.48	1262.72	294.18	0.04	1.01
270	618.56	1269.13	319.67	0.05	1.05
312	819.48	1616.33	409.66	0.06	0.97
312	760.70	1511.70	365.30	0.06	0.99
312	647.52	1392.01	328.83	0.06	1.15