

Annex 1. Soil nutrients average rate

Species	Treatments	Crops	Seasons	N	P	K	pH
<i>A. auriculiformis</i>	T0	Cassava	I	0.08	15.32	1.42	4.42
<i>A. auriculiformis</i>	T0	Cassava	III	0.08	15.32	1.42	4.42
<i>A. auriculiformis</i>	T0	Cassava	IV	0.64	23.00	1.21	4.62
<i>A. auriculiformis</i>	T0	Total Cassava		0.27	17.88	1.35	4.49
<i>A. auriculiformis</i>	T0	Maize	I	0.02	15.64	1.46	4.85
<i>A. auriculiformis</i>	T0	Maize	II	0.26	15.70	1.42	4.29
<i>A. auriculiformis</i>	T0	Maize	III	0.14	14.43	1.44	4.69
<i>A. auriculiformis</i>	T0	Maize	IV	0.60	16.84	1.21	4.70
<i>A. auriculiformis</i>	T0	Total Maize		0.26	15.65	1.38	4.63
<i>A. auriculiformis</i>	T0	Peanut	I	0.05	15.38	1.47	4.57
<i>A. auriculiformis</i>	T0	Peanut	II	0.12	15.50	1.44	4.60
<i>A. auriculiformis</i>	T0	Peanut	III	0.16	13.54	1.47	5.02
<i>A. auriculiformis</i>	T0	Peanut	IV	0.51	19.19	1.30	4.98
<i>A. auriculiformis</i>	T0	Total Peanut		0.21	15.90	1.42	4.79
<i>A. auriculiformis</i>	Total T0			0.24	16.35	1.39	4.65
<i>A. auriculiformis</i>	T1	Cassava	I	0.12	15.67	1.41	4.11
<i>A. auriculiformis</i>	T1	Cassava	III	-	-	-	-
<i>A. auriculiformis</i>	T1	Cassava	IV	-	-	-	-
<i>A. auriculiformis</i>	T1	Total Cassava		0.12	15.67	1.41	4.11
<i>A. auriculiformis</i>	T1	Maize	I	0.09	15.51	1.44	4.88
<i>A. auriculiformis</i>	T1	Maize	II	0.15	15.68	1.43	4.60
<i>A. auriculiformis</i>	T1	Maize	III	-	-	-	-
<i>A. auriculiformis</i>	T1	Maize	IV	-	-	-	-
<i>A. auriculiformis</i>	T1	Total Maize		0.12	15.60	1.43	4.74
<i>A. auriculiformis</i>	T1	Peanut	I	0.08	15.24	1.43	4.75
<i>A. auriculiformis</i>	T1	Peanut	II	0.14	15.10	1.42	4.28
<i>A. auriculiformis</i>	T1	Peanut	III	-	-	-	-
<i>A. auriculiformis</i>	T1	Peanut	IV	-	-	-	-
<i>A. auriculiformis</i>	T1	Total Peanut		0.11	15.17	1.43	4.52
<i>A. auriculiformis</i>	Total T1			0.12	15.44	1.42	4.52
<i>A. auriculiformis</i>	T2	Cassava	I	0.11	14.72	1.44	4.28
<i>A. auriculiformis</i>	T2	Cassava	III	0.11	14.72	1.44	4.28
<i>A. auriculiformis</i>	T2	Cassava	IV	0.27	21.61	1.42	4.97
<i>A. auriculiformis</i>	T2	Total Cassava		0.16	17.02	1.43	4.51
<i>A. auriculiformis</i>	T2	Maize	I	0.07	15.15	1.42	4.77
<i>A. auriculiformis</i>	T2	Maize	II	0.07	15.32	1.44	4.47
<i>A. auriculiformis</i>	T2	Maize	III	0.09	13.55	1.43	4.96
<i>A. auriculiformis</i>	T2	Maize	IV	0.38	21.32	1.21	5.00
<i>A. auriculiformis</i>	T2	Total Maize		0.15	16.33	1.37	4.80
<i>A. auriculiformis</i>	T2	Peanut	I	0.11	15.84	1.43	4.23
<i>A. auriculiformis</i>	T2	Peanut	II	0.07	15.33	1.43	4.35
<i>A. auriculiformis</i>	T2	Peanut	III	0.08	13.97	1.48	5.29
<i>A. auriculiformis</i>	T2	Peanut	IV	0.67	18.35	1.19	4.50
<i>A. auriculiformis</i>	T2	Total Peanut		0.23	15.87	1.38	4.59
<i>A. auriculiformis</i>	Total T2			0.18	16.35	1.39	4.65

Species	Treatments	Crops	Seasons	N	P	K	pH
<i>A. auriculiformis</i>	T3	Cassava	I	0.09	15.16	1.41	4.47
<i>A. auriculiformis</i>	T3	Cassava	III	0.09	15.16	1.41	4.47
<i>A. auriculiformis</i>	T3	Cassava	IV	0.95	21.87	1.31	4.56
<i>A. auriculiformis</i>	T3	Total Cassava		0.38	17.40	1.37	4.50
<i>A. auriculiformis</i>	T3	Maize	I	0.06	15.42	1.44	4.70
<i>A. auriculiformis</i>	T3	Maize	II	0.16	15.32	1.42	5.27
<i>A. auriculiformis</i>	T3	Maize	III	0.08	14.00	1.43	5.19
<i>A. auriculiformis</i>	T3	Maize	IV	0.16	19.34	1.19	5.39
<i>A. auriculiformis</i>	T3	Total Maize		0.11	16.02	1.37	5.14
<i>A. auriculiformis</i>	T3	Peanut	I	0.04	16.11	1.44	4.22
<i>A. auriculiformis</i>	T3	Peanut	II	0.02	15.35	1.42	4.56
<i>A. auriculiformis</i>	T3	Peanut	III	0.09	13.87	1.45	6.31
<i>A. auriculiformis</i>	T3	Peanut	IV	0.08	20.70	1.18	6.34
<i>A. auriculiformis</i>	T3	Total Peanut		0.06	16.51	1.37	5.36
<i>A. auriculiformis</i>	Total T3			0.17	16.57	1.37	5.04
Total <i>A. auriculiformis</i>				0.19	16.29	1.39	4.75
<i>P. macrophylla</i>	T0	Cassava	I	0.05	15.74	1.42	4.81
<i>P. macrophylla</i>	T0	Cassava	III	0.11	15.24	1.42	3.89
<i>P. macrophylla</i>	T0	Cassava	IV	0.20	20.15	1.40	4.68
<i>P. macrophylla</i>	T0	Total Cassava		0.12	17.05	1.41	4.46
<i>P. macrophylla</i>	T0	Maize	I	0.12	16.56	1.42	4.90
<i>P. macrophylla</i>	T0	Maize	II	0.06	15.96	1.47	4.50
<i>P. macrophylla</i>	T0	Maize	III	0.08	13.77	1.43	5.15
<i>P. macrophylla</i>	T0	Maize	IV	0.62	17.36	1.40	5.19
<i>P. macrophylla</i>	T0	Total Maize		0.22	15.91	1.43	4.94
<i>P. macrophylla</i>	T0	Peanut	I	0.06	15.28	1.42	4.58
<i>P. macrophylla</i>	T0	Peanut	II	0.02	15.90	1.42	4.83
<i>P. macrophylla</i>	T0	Peanut	III	0.09	14.07	1.65	4.76
<i>P. macrophylla</i>	T0	Peanut	IV	0.18	17.36	1.61	4.50
<i>P. macrophylla</i>	T0	Total Peanut		0.09	15.65	1.53	4.67
<i>P. macrophylla</i>	Total T0			0.14	16.13	1.46	4.71
<i>P. macrophylla</i>	T1	Cassava	I	0.09	19.81	1.43	3.94
<i>P. macrophylla</i>	T1	Cassava	III	0.12	15.65	1.42	4.36
<i>P. macrophylla</i>	T1	Cassava	IV	0.23	23.73	1.30	4.77
<i>P. macrophylla</i>	T1	Total Cassava		0.15	19.73	1.38	4.36
<i>P. macrophylla</i>	T1	Maize	I	0.11	15.85	1.47	4.72
<i>P. macrophylla</i>	T1	Maize	II	0.16	16.99	1.42	4.34
<i>P. macrophylla</i>	T1	Maize	III	0.13	13.94	1.45	5.87
<i>P. macrophylla</i>	T1	Maize	IV	0.27	22.32	1.18	4.19
<i>P. macrophylla</i>	T1	Total Maize		0.17	17.27	1.38	4.78
<i>P. macrophylla</i>	T1	Peanut	I	0.08	15.84	1.44	4.98
<i>P. macrophylla</i>	T1	Peanut	II	0.11	15.51	1.66	4.97
<i>P. macrophylla</i>	T1	Peanut	III	0.14	13.81	1.43	5.36
<i>P. macrophylla</i>	T1	Peanut	IV	0.92	22.66	1.20	4.36
<i>P. macrophylla</i>	T1	Total Peanut		0.31	16.96	1.43	4.92
<i>P. macrophylla</i>	Total T1			0.21	17.83	1.40	4.71
<i>P. macrophylla</i>	T2	Cassava	I	0.06	18.76	1.44	4.60

Species	Treatments	Crops	Seasons	N	P	K	pH
<i>P. macrophylla</i>	T2	Cassava	III	0.10	15.68	1.42	4.47
<i>P. macrophylla</i>	T2	Cassava	IV	0.50	23.28	1.30	4.94
<i>P. macrophylla</i>	T2	Total Cassava		0.22	19.24	1.39	4.67
<i>P. macrophylla</i>	T2	Maize	I	0.09	15.67	1.46	5.12
<i>P. macrophylla</i>	T2	Maize	II	0.12	16.68	1.42	4.34
<i>P. macrophylla</i>	T2	Maize	III	0.04	13.66	1.49	5.78
<i>P. macrophylla</i>	T2	Maize	IV	0.26	18.56	1.19	6.68
<i>P. macrophylla</i>	T2	Total Maize		0.13	16.14	1.39	5.48
<i>P. macrophylla</i>	T2	Peanut	I	0.10	17.19	1.44	4.80
<i>P. macrophylla</i>	T2	Peanut	II	0.11	15.41	1.42	4.36
<i>P. macrophylla</i>	T2	Peanut	III	0.08	13.90	1.43	5.01
<i>P. macrophylla</i>	T2	Peanut	IV	0.16	20.23	1.41	4.43
<i>P. macrophylla</i>	T2	Total Peanut		0.11	16.68	1.42	4.65
<i>P. macrophylla</i>	Total T2			0.15	17.18	1.40	4.96
<i>P. macrophylla</i>	T3	Cassava	I	0.06	15.55	1.42	4.79
<i>P. macrophylla</i>	T3	Cassava	III	0.12	15.18	1.40	4.46
<i>P. macrophylla</i>	T3	Cassava	IV	0.82	21.48	1.20	4.51
<i>P. macrophylla</i>	T3	Total Cassava		0.33	17.40	1.34	4.59
<i>P. macrophylla</i>	T3	Maize	I	0.16	17.89	1.45	4.45
<i>P. macrophylla</i>	T3	Maize	II	0.06	14.87	1.43	4.47
<i>P. macrophylla</i>	T3	Maize	III	0.07	13.78	1.42	5.56
<i>P. macrophylla</i>	T3	Maize	IV	0.09	19.03	1.30	4.79
<i>P. macrophylla</i>	T3	Total Maize		0.10	16.39	1.40	4.82
<i>P. macrophylla</i>	T3	Peanut	I	0.05	15.55	1.45	4.37
<i>P. macrophylla</i>	T3	Peanut	II	0.06	15.05	1.42	4.26
<i>P. macrophylla</i>	T3	Peanut	III	0.11	14.15	1.42	4.68
<i>P. macrophylla</i>	T3	Peanut	IV	0.30	17.75	1.41	4.40
<i>P. macrophylla</i>	T3	Total Peanut		0.13	15.63	1.43	4.43
<i>P. macrophylla</i>	Total T3			0.17	16.39	1.39	4.61
Total <i>P. macrophylla</i>				0.17	16.88	1.41	4.75
GRAND TOTAL				0.18	16.61	1.40	4.75

Annex 2. Crops average yield (in ton per hectare)

<i>Species</i>	Treatments	Seasons	Cassava yield (t×ha ⁻¹)	Maize yield (t×ha ⁻¹)	Peanut yield (t×ha ⁻¹)
<i>A. auriculiformis</i>	T0	I	-	1.52	4.18
<i>A. auriculiformis</i>	T0	II	24.35	1.31	1.09
<i>A. auriculiformis</i>	T0	III	-	1.43	1.28
<i>A. auriculiformis</i>	T0	IV	28.33	0.54	0.40
<i>A. auriculiformis</i>	Total T0		26.34	1.20	1.74
<i>A. auriculiformis</i>	T1	I	-	1.66	3.42
<i>A. auriculiformis</i>	T1	II	18.67	1.09	0.75
<i>A. auriculiformis</i>	T1	III	-	-	-
<i>A. auriculiformis</i>	T1	IV	-	-	-
<i>A. auriculiformis</i>	Total T1		18.67	1.38	2.08
<i>A. auriculiformis</i>	T2	I	-	1.55	3.55
<i>A. auriculiformis</i>	T2	II	20.78	1.29	0.83
<i>A. auriculiformis</i>	T2	III	-	0.96	0.81
<i>A. auriculiformis</i>	T2	IV	16.67	0.59	0.26
<i>A. auriculiformis</i>	Total T2		18.72	1.10	1.36
<i>A. auriculiformis</i>	T3	I	-	1.41	3.41
<i>A. auriculiformis</i>	T3	II	22.10	1.18	1.03
<i>A. auriculiformis</i>	T3	III	-	1.38	0.83
<i>A. auriculiformis</i>	T3	IV	21.67	0.35	0.25
<i>A. auriculiformis</i>	Total T3		21.88	1.08	1.38
Total <i>A. auriculiformis</i>			21.80	1.16	1.58
<i>P. macrophylla</i>	T0	I	-	1.61	3.31
<i>P. macrophylla</i>	T0	II	26.22	1.38	0.98
<i>P. macrophylla</i>	T0	III	-	1.40	1.24
<i>P. macrophylla</i>	T0	IV	32.50	0.79	0.31
<i>P. macrophylla</i>	Total T0		29.36	1.29	1.46
<i>P. macrophylla</i>	T1	I	-	1.58	3.52
<i>P. macrophylla</i>	T1	II	26.31	1.50	0.82
<i>P. macrophylla</i>	T1	III	-	1.08	0.80
<i>P. macrophylla</i>	T1	IV	22.50	0.92	0.18
<i>P. macrophylla</i>	Total T1		24.41	1.27	1.33
<i>P. macrophylla</i>	T2	I	-	1.66	2.93
<i>P. macrophylla</i>	T2	II	23.08	1.63	0.72
<i>P. macrophylla</i>	T2	III	-	1.55	0.93
<i>P. macrophylla</i>	T2	IV	33.33	0.92	0.18
<i>P. macrophylla</i>	Total T2		28.21	1.44	1.19
<i>P. macrophylla</i>	T3	I	-	1.61	2.84
<i>P. macrophylla</i>	T3	II	19.82	1.27	0.81
<i>P. macrophylla</i>	T3	III	-	1.41	1.01
<i>P. macrophylla</i>	T3	IV	21.67	0.53	0.24
<i>P. macrophylla</i>	Total T3		20.74	1.20	1.23
Total <i>P. macrophylla</i>			25.68	1.30	1.30
GRAND TOTAL			23.87	1.24	1.43