							Exchangeable:					Available			Total			% of total exchangeable			% of total available							
	Management	pH	Total C	Total N	C:N Ratio	TOC	Mg	Ca	K	Na	CEC	Mg	Ca	K	Mg	Ca	K	Mg	Ca	K	Mg	Ca	K	NO3+NO2	NH4	PO4	SO4	Mineral N
Unit		-	mg/kg	mg/kg		mg/l	mg/kg	mg/kg	mg/kg	mg/kg	meq/100g	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
16_EK_1	Manure	7.05	58300.0	3282.0	17.76	59.71	479.40	6315.53	1124.09	97.67	38.88	17.86	140.72	117.34	2350.05	10077.43	4742.06	20.40	62.67	23.70	0.76	1.40	2.47	56.62	2.73	8.25	43.11	59.35
16_EK_2	Manure	7.19	59400.0	3074.5	19.32	59.80	455.11	6109.44	1120.65	86.87	37.59	18.17	134.69	115.67	2402.55	10487.06	4914.03	18.94	58.26	22.81	0.76	1.28	2.35	85.02	3.09	7.67	35.17	88.11
16_EK_3	Manure	7.29	36450.0	2729.5	13.35	66.30	661.81	5334.79	2044.06	128.31	37.99	14.85	74.23	177.13	2617.41	8888.61	5989.26	25.28	60.02	34.13	0.57	0.84	2.96	114.31	2.76	30.42	38.85	117.08
16_EK_4	Manure	7.35	34250.0	2687.0	12.75	62.88	585.08	4682.01	1874.10	128.40	33.65	17.40	84.07	212.94	2540.72	8042.18	5853.13	23.03	58.22	32.02	0.68	1.05	3.64	154.15	2.65	31.32	44.64	156.81
16_EK_5	Manure	7.35	37950.0	3030.0	12.52	85.70	739.46	5568.83	2192.29	136.40	40.22	18.45	83.24	215.75	2669.70	8384.27	6204.71	27.70	66.42	35.33	0.69	0.99	3.48	32.61	3.83	44.94	62.47	36.45
16_EK_6	Manure	7.37	38300.0	3181.0	12.04	80.81	657.58	5089.28	1987.76	115.48	36.53	18.13	81.95	216.06	2609.99	8291.58	6083.68	25.19	61.38	32.67	0.69	0.99	3.55	27.18	3.19	41.61	63.88	30.37
16_EK_7	Manure	7.27	37750.0	2971.5	12.70	58.52	497.64	5702.35	1459.91	108.57	36.87	16.90	122.65	145.27	2710.67	9979.77	5709.49	18.36	57.14	25.57	0.62	1.23	2.54	137.61	2.86	11.47	36.88	140.47
16_EK_8	Manure	7.35	33900.0	2594.5	13.07	61.48	504.25	5681.02	1375.99	110.90	36.62	17.68	127.37	150.33	2673.15	9950.81	5676.24	18.86	57.09	24.24	0.66	1.28	2.65	151.00	3.11	11.16	36.14	154.11
16_EK_9	Manure	7.32	38850.0	2960.5	13.12	75.48	610.13	5893.15	1979.80	107.77	40.10	22.78	130.75	231.58	2711.50	9810.68	6387.54	22.50	60.07	30.99	0.84	1.33	3.63	160.68	4.43	26.46	59.32	165.10
16_EK_10	Manure	7.3	43450.0	3129.5	13.88	63.08	526.35	5341.81	1539.41	76.99	35.38	23.13	136.95	198.23	2584.70	10480.17	5795.26	20.36	50.97	26.56	0.89	1.31	3.42	182.67	3.38	21.28	46.39	186.05
16_EK_11	Manure	7.28	55450.0	3440.0	16.12	68.14	521.80	6225.69	1459.26	69.34	39.52	24.56	175.55	185.54	2417.41	11120.69	5184.60	21.59	55.98	28.15	1.02	1.58	3.58	156.70	4.63	9.60	55.78	161.33
16_EK_12	Manure	7.32	60250.0	3506.0	17.18	58.33	449.88	6122.42	1257.13	61.31	37.85	19.76	155.01	141.01	2339.24	10715.49	5054.02	19.23	57.14	24.87	0.84	1.45	2.79	173.76	3.51	9.23	46.97	177.27
16_EK_13	M + Intercrop	7.36	25450.0	2481.0	10.26	58.33	538.57	4171.18	1436.82	92.64	29.43	19.99	95.21	179.63	2053.54	5802.99	4839.44	26.23	71.88	29.69	0.97	1.64	3.71	114.24	4.14	16.15	17.77	118.38
16_EK_14	M + Intercrop	7.28	25000.0	2487.0	10.05	72.30	512.07	4040.20	1428.41	92.25	28.53	19.76	92.25	182.36	1956.73	5452.33	4776.95	26.17	74.10	29.90	1.01	1.69	3.82	120.13	4.31	16.07	23.25	124.44
16_EK_15	M + Intercrop	7.09	29750.0	2921.5	10.18	75.71	643.47	3990.85	1356.33	94.39	29.20	32.17	111.02	221.07	2287.14	6987.24	4925.31	28.13	57.12	27.54	1.41	1.59	4.49	166.38	6.21	16.08	33.73	172.60
16_EK_16	M + Intercrop	7.14	30550.0	3013.0	10.14	71.94	652.25	4062.49	1365.71	83.85	29.61	33.09	113.48	217.43	2276.30	6972.19	5062.68	28.65	58.27	26.98	1.45	1.63	4.29	160.18	6.10	34.11	49.88	166.29
16_EK_17	M + Intercrop	7.32	25050.0	2508.5	9.99	59.36	531.08	4035.99	1576.90	133.58	29.23	27.30	132.66	237.39	2159.13	6194.72	5205.08	24.60	65.15	30.30	1.26	2.14	4.56	194.28	5.10	14.09	44.73	199.38
16_EK_18	M + Intercrop	7.39	25050.0	2521.5	9.93	61.10	503.10	4062.88	1435.20	135.95	28.78	24.54	121.22	230.79	1509.03	4419.98	3763.34	33.34	91.92	38.14	1.63	2.74	6.13	189.89	4.67	9.65	50.43	194.56
16_EK_19	M + Intercrop	7.26	29800.0	2854.5	10.44	65.46	522.86	4404.11	1380.21	67.94	30.21	23.84	117.64	170.77	2286.46	7071.16	5303.24	22.87	62.28	26.03	1.04	1.66	3.22	54.34	4.62	15.08	35.70	58.97
16_EK_20	M + Intercrop	7.26	28250.0	2656.5	10.63	71.39	582.38	4793.79	1446.18	85.48	32.90	24.12	117.93	175.75	2036.93	6120.81	4837.36	28.59	78.32	29.90	1.18	1.93	3.63	75.04	5.21	20.67	35.45	80.25
16_EK_21	M + Intercrop	7.24	26200.0	2532.5	10.35	63.14	546.05	4059.17	1458.93	94.01	29.00	19.44	90.00	193.33	2197.03	6457.94	5427.05	24.85	62.86	26.88	0.88	1.39	3.56	49.89	3.62	19.94	36.55	53.51
16_EK_22	M + Intercrop	7.31	28200.0	2598.5	10.85	71.60	508.81	4118.97	1333.87	138.26	28.86	17.70	86.52	175.38	2070.50	6009.21	4919.02	24.57	68.54	27.12	0.85	1.44	3.57	53.07	4.59	18.72	31.36	57.66
16_EK_23	M + Intercrop	7.21	31950.0	3139.5	10.18	73.62	713.07	4918.25	1889.13	107.44	35.84	35.80	138.20	284.89	2257.89	6576.65	5198.27	31.58	74.78	36.34	1.59	2.10	5.48	178.08	6.92	29.21	43.49	185.00
16_EK_24	M + Intercrop	7.21	31950.0	3031.5	10.54	69.80	598.79	4217.66	1649.96	84.87	30.68	29.53	111.23	266.26	2167.85	6555.92	5213.09	27.62	64.33	31.65	1.36	1.70	5.11	172.99	5.81	27.00	41.82	178.80
16_EK_25	M + Intercrop	6.88	33900.0	3018.0	11.23	82.21	598.14	4988.55	1304.90	96.92	33.69	22.88	112.98	148.02	1917.03	6063.82	4468.04	31.20	82.27	29.21	1.19	1.86	3.31	11.02	6.00	21.87	54.21	17.02
16_EK_26	M + Intercrop	6.84	33850.0	2917.5	11.60	87.80	539.52	4380.78	1221.59	113.22	30.02	25.45	128.16	151.55	1944.39	6216.35	4457.77	27.75	70.47	27.40	1.31	2.06	3.40	3.52	9.50	11.02	44.87	13.02
16_EK_27	M + Intercrop	6.98	27750.0	2538.0	10.93	60.88	527.73	3791.19	1242.81	79.46	26.89	20.97	89.40	168.80	2049.32	5249.48	4643.22	25.75	72.22	26.77	1.02	1.70	3.64	37.30	5.19	17.82	30.87	42.50
16_EK_28	M + Intercrop	7.02	26950.0	2398.0	11.24	58.70	538.95	3823.32	1245.92	92.91	27.21	20.54	82.02	175.47	2256.41	6657.50	5148.93	23.89	57.43	24.20	0.91	1.23	3.41	47.17	4.43	26.73	34.80	51.61
16_EK_29	M + Intercrop	6.97	31850.0	2788.5	11.42	65.02	478.21	4642.78	1127.39	94.12	30.50	19.39	118.37	132.65	2267.35	6697.46	4949.58	21.09	69.32	22.78	0.86	1.77	2.68	15.73	5.18	9.29	26.10	20.91
16_EK_30	M + Intercrop	7.03	30700.0	2674.0	11.48	65.41	477.18	4550.08	1008.44	91.15	29.71	21.01	121.89	129.91	2070.84	6141.25	4724.18	23.04	74.09	21.35	1.01	1.98	2.75	17.95	6.11	8.76	26.82	24.06
16_EK_31	M + Intercrop	7.10	27100.0	2392.0	11.33	59.35	512.89	4723.94	1130.08	133.05	31.37	14.75	87.51	115.46	2137.09	5626.63	4767.93	24.00	83.96	23.70	0.69	1.56	2.42	14.55	3.67	7.98	29.72	18.22
16_EK_32	M + Intercrop	7.13	27600.0	2457.0	11.23	54.61	496.48	4541.55	1175.19	144.29	30.49	14.80	85.34	114.89	2296.51	5961.96	5087.83	21.62	76.18	23.10	0.64	1.43	2.26	26.37	2.95	9.31	26.66	29.32
16_EK_33	M + Intercrop	6.98	22000.0	2113.5	10.41	59.31	452.48	3464.42	995.31	129.73	24.21	14.83	70.34	120.46	1948.25	4682.72	4498.62	23.23	73.98	22.12	0.76	1.50	2.68	28.52	4.17	10.37	16.83	32.69
16_EK_34	M + Intercrop	7.07	22050.0	2077.0	10.62	52.82	513.02	3870.75	1136.79	127.72	27.10	12.93	61.20	113.44	1853.20	4698.52	4157.61	27.68	82.38	27.34	0.70	1.30	2.73	40.98	2.92	10.52	16.18	43.90
16_EK_35	M + Intercrop	6.95	24750.0	2376.5	10.41	65.43	505.76	3732.88	1333.33	103.30	26.75	14.44	66.04	143.47	1717.10	4525.17	3613.02	29.45	82.49	36.90	0.84	1.46	3.97	10.39	4.23	15.91	30.21	14.62
16_EK_36	M + Intercrop	6.96	23800.0	2254.0	10.56	69.88	507.65	3806.40	1151.71	110.21	26.69	19.33	90.26	171.17	2181.15	5479.75	4796.58	23.27	69.46	24.01	0.89	1.65	3.57	2.24	5.44	19.32	31.22	7.68
16_EK_37	Manure	7.36	49750.0	3675.5	13.54	74.91	688.55	6208.58	2325.76	157.55	43.43	38.08	186.94	391.54	2915.58	10871.45	6488.41	23.62	57.11	35.84	1.31	1.72	6.03	44.41	9.43	34.32	92.65	53.84
16_EK_38	Manure	7.32	54200.0	3671.0	14.76	76.59	552.03	5516.35	1904.70	110.39	37.55	41.02	206.99	336.11	2402.27	9689.02	5526.18	22.98	56.93	34.47	1.71	2.14	6.08	6.12	10.68	16.24	100.48	16.79
16_EK_39	Manure	7.30	35750.0	2913.5	12.27	72.05	652.85	4969.82	2439.56	162.91	37.25	23.87	109.24	354.08	2920.58	7834.87	6893.05	22.35	63.43	35.39	0.82	1.39	5.14	93.01	6.06	59.33	73.55	99.07
16_EK_40	Manure	7.29	37850.0	3178.0	11.91	66.76	697.52	4823.38	2517.83	143.23	37.01	28.60	126.23	359.69	2560.37	7640.03	6419.89	27.24	63.13	39.22	1.12	1.65	5.60	158.04	6.02	49.36	87.21	164.07
16_EK_41	Manure	7.39	38450.0		12.90	57.89	573.40	5537.31	1930.70	141.04	38.03	26.19	154.06	257.16	3096.91	9247.97	6471.97	18.52	59.88	29.83	0.85	1.67	3.97	38.16	5.93	23.16	85.92	44.08
16_EK_42	Manure	7.40	35750.0		13.39	56.76	513.61	5190.58	1637.38	163.34	35.14	22.95	142.80	231.60	2714.93	8793.86	5873.33	18.92	59.03	27.88	0.85	1.62	3.94	22.39	4.81	18.85	77.15	27.20
16_EK_43	Manure	7.58	44150.0		12.73	61.61	577.46	5193.42	2316.40	116.74	37.23	31.14	151.29	427.27	2727.69	10188.36	6734.21	21.17	50.97	34.40	1.14	1.48	6.34	68.23	6.90	33.14	105.95	75.12
16_EK_44	Manure	7.42	44500.0		13.82	66.74	590.15	5306.86	1979.57	124.63	37.07	35.88	172.03	392.48	2595.69	8922.82	6254.28	22.74	59.48	31.65	1.38	1.93	6.28	63.09	8.50	27.15	92.99	71.58
16_EK_45	Manure	7.76	56300.0		12.31	95.69	755.25	4879.29	4703.09	147.36	43.39	58.05	169.19	655.40	3470.47	12727.08	9173.14	21.76	38.34	51.27	1.67	1.33	7.14	119.48	20.80	56.95	217.04	140.28
16_EK_46	Manure	7.78	54750.0		12.50	104.50	859.06	5341.95	5753.97	196.92	49.48	42.41	123.84	637.33	3403.56	11829.02	9739.82	25.24	45.16	59.08	1.25	1.05	6.54	126.39	20.17	68.64	214.55	146.56
16_EK_47	Manure	7.61	50100.0		13.32	79.93	638.02	5098.19	3144.60	174.77	39.63	33.36	136.56	539.19	2774.90	9950.48	7066.70	22.99	51.24	44.50	1.20	1.37	7.63	5.32	11.06	47.33	140.78	16.38
16_EK_48	Manure	7.42	51250.0		13.05	84.49	699.22	5095.18	2984.70	172.38	39.71	37.72	144.76	622.17	2904.39	9724.39	7761.95	24.07	52.40	38.45	1.30	1.49	8.02	144.40	10.54	60.78	160.87	154.94

	pH	Total C	Total N	C:N Ratio	TOC	Mg	Ca	K	Na	CEC	Mg	Ca	K	Mg	Ca	K	Mg	Ca	K	Mg	Ca	K	NO3+NO2	NH4	PO4	SO4	Mineral N
	-	g/kg	g/kg		mg/l	mg/kg	mg/kg	mg/kg	mg/kg	meq/100g	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Mean	7.3	36.6	2.8	12.2	68.6	572.6	4842.1	1768.4	116.0	34.0	24.5	119.0	240.2	2396.1	7839.0	5557.9	24.2	64.3	30.7	1.0	1.6	4.1	85.5	5.9	24.0	59.0	91.4
Standard deviation	0.2	11.0	0.4	2.1	10.8	89.2	761.2	879.2	30.3	5.4	8.9	32.6	137.1	400.7	2156.9	1174.8	3.5	10.7	7.3	0.3	0.3	1.5	62.7	3.7	15.6	44.5	62.8
Management:																											
Manure	7.38	45.30	3.13	13.76	70.76	603.57	5467.80	2210.53	126.64	38.59	27.04	136.30	304.62	2713.10	9735.34	6333.21	22.21	56.77	33.46	0.98	1.40	4.57	96.72	6.71	31.19	84.12	103.43
Manure + Intercropping	7.1	27.9	2.6	10.7	66.5	541.7	4216.3	1326.3	105.3	29.5	22.0	101.7	175.8	2079.0	5942.6	4782.7	26.2	71.8	27.9	1.1	1.7	3.7	74.3	5.0	16.9	33.9	79.4