

Appendix 3: Soil fertility analysis of 28 composite AfDE samples, one from each transect. Each composite sample was made from 8 subsamples

Location	#Transect	Moisture	pH	pH Buffer	pH 1M KCl	LOI	Organic matter	Aluminum	Calcium	Copper	Iron	Potassium	Magnesium	Manganese	Phosphorus	Lead	Sulfur	Zink	Calcium
		%				%	%	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mmol/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mmol/kg
Delema	1	2.06	4.91	5.29	4.45	8.65	5.82	1006.54	1887.71	3.76	208.54	70.62	110.77	60.55	12.56	1.19	15.99	3.69	471.93
Delema	2	2.22	5.28	5.92	4.76	10.09	6.83	910.14	2361.74	2.40	274.67	56.17	112.93	87.38	38.58	2.22	14.68	4.71	590.43
Delema	3	5.30	5.31	5.71	4.88	11.30	7.68	785.01	3124.50	3.50	180.21	67.24	135.89	129.35	12.81	1.67	16.83	4.72	781.12
Delema	4	1.94	5.02	5.42	4.27	8.80	5.93	1193.71	1056.28	2.82	233.72	41.11	92.09	53.65	37.37	0.69	14.02	18.49	264.07
Delema	5	2.53	4.82	4.86	4.1	10.73	7.28	1258.19	1087.45	2.45	264.62	83.03	147.90	75.72	18.29	0.29	14.29	4.48	271.86
Wenwuta Old Spot	6	1.32	4.51	5.64	3.83	8.03	5.39	1081.37	207.00	2.33	491.94	68.45	39.56	48.24	15.38	0.27	18.80	1.24	51.75
Bacurtazi	7	1.53	4.81	5.37	4.42	6.61	4.40	908.14	1430.31	2.80	360.28	67.45	133.23	42.64	30.77	2.76	15.21	2.67	357.58
Bacurtazi	8	0.99	4.44	4.9	3.77	5.77	3.81	912.96	316.86	3.64	481.34	60.43	62.79	36.96	15.63	0.69	12.91	2.78	79.21
Bacurtazi	9	0.72	4.67	4.93	3.94	5.19	3.41	988.75	272.04	2.79	384.59	33.76	44.19	48.31	19.62	0.84	13.94	2.29	68.01
Bacurtazi	10	1.09	4.66	4.82	3.92	5.62	3.71	1230.78	230.01	2.47	405.77	39.93	35.37	60.59	24.15	0.01	16.47	2.93	57.50
Bacurtazi	11	1.04	4.25	5.01	3.81	5.37	3.53	884.93	223.64	2.62	254.35	38.26	44.26	20.74	9.24	0.95	16.72	1.97	55.91
Famene	12	1.62	4.63	5.15	4.2	8.99	6.06	1102.84	797.52	2.44	273.59	102.23	92.53	64.12	13.07	0.63	18.82	3.48	199.38
Famene	13	2.56	5.54	5.89	5.04	10.22	6.93	997.13	1959.55	2.39	167.94	67.05	377.99	42.94	16.58	0.79	13.69	3.10	489.89
Famene	14	2.80	4.8	5.51	4.22	8.97	6.05	1027.78	852.84	2.43	280.36	88.99	94.01	74.85	15.96	1.09	18.68	2.42	213.21
Famene	15	1.27	4.64	5.69	4.25	6.55	4.36	638.74	866.76	1.41	180.07	61.90	79.07	31.62	6.45	1.22	13.80	1.36	216.69
Famene	16	1.28	4.92	5.37	4.28	8.51	5.73	981.29	744.08	2.13	329.61	68.87	101.55	76.72	16.61	1.00	16.62	1.86	186.02
Gbokolomie	17	1.67	4.91	4.97	4.12	7.87	5.28	1390.16	636.99	4.31	258.95	48.23	104.55	78.02	62.02	0.00	12.18	4.67	159.25
Gbokolomie	18	1.72	4.83	4.88	4.15	8.28	5.56	1078.82	939.57	3.14	298.02	52.02	88.02	51.20	20.98	0.26	15.23	2.93	234.89
Dadazu	19	1.66	4.21	4.8	3.77	7.19	4.80	1151.01	417.14	2.28	238.86	38.41	68.38	20.81	11.79	0.36	18.35	1.81	104.28
Dadazu	20	1.59	4.08	4.44	3.73	6.14	4.07	1219.35	339.89	3.31	280.41	37.17	25.21	68.63	23.51	0.00	14.30	3.54	84.97
Zelema	21	1.62	4.71	5.19	4.09	9.20	6.21	1038.14	769.73	2.55	292.98	41.45	60.29	74.05	19.10	1.80	12.14	2.71	192.43
Zelema	22	1.91	4.65	5.25	4.19	11.01	7.48	1025.33	1289.25	3.00	210.11	49.42	60.14	64.71	13.55	3.33	12.13	1.63	322.31
Zaioba	23	1.39	4.43	4.69	3.85	8.14	5.46	997.24	375.97	2.67	392.31	52.28	97.55	58.79	15.05	2.13	13.34	2.03	93.99
Zaioba	24	1.71	4.52	4.7	3.93	9.56	6.46	1029.49	548.57	4.76	340.33	57.22	91.82	49.68	6.98	2.32	14.71	2.54	137.14
Zaioba	25	1.10	4.59	4.7	3.97	7.34	4.91	935.28	455.16	4.83	325.84	39.68	68.29	42.45	10.16	2.12	16.30	1.21	113.79
Kpazaquelle	26	1.66	4.91	5.32	4.42	8.00	5.37	1033.46	1290.00	2.80	216.43	41.13	100.19	95.84	19.02	2.65	12.75	4.17	322.50
Kpazaquelle	27	1.74	4.9	5.5	4.28	8.71	5.86	1047.65	1088.71	2.28	199.98	45.08	83.00	86.60	11.87	3.24	12.21	2.01	272.18
Kpazaquelle	28	3.23	5.02	5.56	4.61	10.36	7.02	1010.25	2556.67	4.50	188.26	47.48	68.43	138.51	21.21	2.75	14.16	4.71	639.17