

Samples used for the soil analysis practice of JICA Farmer Led Extension Course on January 20, 2017

No.	Sample name	depth (cm)	average depth (cm)	soil color	soil texture	carbon (%)	nitrogen (%)	C/N
Plowed layer soil from the experiment field (2016.8.2)								
9	2016 (west)	0-20	10	10YR2/2	L	6.62	0.559	10.6
10	2016 (east)	0-20	10	7.5YR2/1	SiL	6.08	0.523	12.1
11	2017 (east)	0-20	10	7.5YR3/2	SL	6.92	0.594	13.7
12	2017 (west)	0-20	10	10YR2/3	CL	6.21	0.501	11.9
Soil profile B (2016..07.12)								
13	Ap <sub>1</sub>	0-13	6.5	7.5YR3/2	LiC	5.81	0.510	10.6
14	Ap <sub>2</sub>	13-33	18	10YR2/3	LiC	4.38	0.411	12.1
15	2B	33-41	37	10YR4/6	LiC	1.31	0.166	13.7
16	3B <sub>1</sub>	41-66	53.5	10YR5/6	LiC	0.81	0.092	11.9
Soil profile A (2016..07.12)								
17	Ap <sub>1</sub>	0-15	7.5	10YR1.7/1	L	8.46	0.634	10.6
18	Ap <sub>2</sub>	15-30/37	24.5	10YR1.7/1	L	9.26	0.913	12.1
19	2AB	30/37-48	40	10YR2/3	SiL	9.07	0.536	13.7
20	2B	48-56	52	10YR3/4	CL	4.67	0.359	11.9

No.	Sample name	depth (cm)	pH(H <sub>2</sub> O)	pH(KCl)	EC(μ S/cm)	NO <sub>3</sub> ppm	Bray No.2 P <sub>2</sub> O <sub>5</sub> mg/100g soil	Phosphate Absorption Coefficient
Plowed layer soil from the experiment field (2016.8.2)								
9	2016 (west)	0-20	5.90	5.06	122.4	32.7	40.8	1725
10	2016 (east)	0-20	6.00	5.14	120.7	31.5	43.9	1648
11	2017 (east)	0-20	5.98	5.10	95.0	26.4	35.3	1737
12	2017 (west)	0-20	5.93	5.05	89.1	23.0	38.8	1655
Soil profile B (2016..07.12)								
13	Ap <sub>1</sub>	0-13	6.45	5.57	137.5	38.8	59.6	1550
14	Ap <sub>2</sub>	13-33	6.46	5.54	90.1	18.9	30.2	1570
15	2B	33-41	6.43	5.55	154.4	34.1	0.8	1801
16	3B <sub>1</sub>	41-66	6.44	5.45	144.8	27.3	1.4	1612
Soil profile A (2016..07.12)								
17	Ap <sub>1</sub>	0-15	5.89	5.17	202.9	84.6	78.6	1543
18	Ap <sub>2</sub>	15-30/37	6.00	5.10	81.8	30.1	79.1	1470
19	2AB	30/37-48	6.05	5.20	77.7	21.9	1.1	2286
20	2B	48-56	6.09	5.45	87.9	22.9	0.9	2571

No.	Sample name	Ca (cmol <sub>c</sub> /kg)	K (cmol <sub>c</sub> /kg)	Mg (cmol <sub>c</sub> /kg)	CEC (cmol <sub>c</sub> /kg)	base saturation (%)	moisture correction factor	loss on ignition (%)
Plowed layer soil from the experiment field (2016.8.2)								
9	2016 (west)	13.4	1.74	1.72	23.4	72.0	1.055	16.1
10	2016 (east)	14.5	1.64	1.56	23.1	76.3	1.049	15.7
11	2017 (east)	15.2	1.73	1.37	23.5	77.7	1.055	15.5
12	2017 (west)	13.6	1.34	1.40	21.3	76.7	1.047	15.3
Soil profile B (2016..07.12)								
13	Ap <sub>1</sub>	21.3	1.91	2.11	24.3	104.2	1.050	13.9
14	Ap <sub>2</sub>	18.1	1.15	1.14	20.6	99.2	1.049	12.5
15	2B	11.1	1.76	0.73	15.7	86.6	1.066	8.9
16	3B <sub>1</sub>	9.1	1.85	0.51	13.9	82.9	1.052	7.4
Soil profile A (2016..07.12)								
17	Ap <sub>1</sub>	20.8	2.24	1.65	27.7	89.0	1.045	16.9
18	Ap <sub>2</sub>	20.1	1.20	1.52	26.1	87.6	1.039	15.7
19	2AB	15.9	1.46	1.16	32.0	57.8	1.096	21.2
20	2B	9.9	1.20	0.89	21.7	55.3	1.090	16.2