

Analysis data sheet for JICA Farmer Led Extension Course in January 2017

"----- by Midorikun kit -----"

by pH meeter by EC meter

No.	Sample name	depth (cm)	average depth (cm)	soil color	soil texture	pH(H ₂ O)	NO ₃ ppm	P ₂ O ₅ (ppm)	K ₂ O (ppm)	pH(H ₂ O)	EC (μ S/cm)
Plowed layer soil from the experiment field (2016.8.2)											
9	2016 (west)	0-20	10	10YR2/4	SiL	7	5	10	75	5.88	141
10	2016 (east)	0-20	10	10YR3/1	SiL	6	5	10	75	5.98	127
11	2017 (east)	0-20	10	10YR4/1	SiL	6	5	10	75	5.82	134
12	2017 (west)	0-20	10	10YR1.7/1	SiL	7	7	10	75	5.97	103

Soil profile B (2016..07.12)

13	Ap ₁	0-13	6.5	10YR2/2	SiL	5.5	45	7	17	5.83	146
14	Ap ₂	13-33	18	10YR2/3	CL	5.5	15	7	17	5.91	98
15	2B	33-41	37	10YR4/6	SL	6	0	7	7	5.9	102
16	3B ₁	41-66	53.5	10YR5/6	SiL	6.5	0	7	7	6.02	92

Soil profile A (2016..07.12)

17	Ap ₁	0-15	7.5	10YR1.7/1	SL	7.5	10	7	>50	5.77	152
18	Ap ₂	15-30/37	24.5	10YR1.7/1	CL	7	5	7	>50	6.16	79
19	2AB	30/37-48	40	10YR2/2	SL	7.5	0	7	>50	6.01	76
20	2B	48-56	52	10YR3/3	L	7.5	0	7	>50	5.99	73

Analysis of nitrate in vegetables

		by Midorikun	by NO ₃ ion meter	Concentration in raw vegetable
Cabbage	10 times dilution	180 ppm	180 ppm	1800 ppm
	20 times dilution	90 ppm	110 ppm	2200 ppm
Spinach	10 times dilution	> 180 ppm	340 ppm	3400 ppm
	20 times dilution	180 ppm	180 ppm	3600 ppm