

## Results of the soil profile observation

in the field of the junior course, Obihiro University of Agriculture and Veterinary Medicine

N 42° 52' 15.66" , E 143° 10' 33.64" , altitude 79 m (according to GPSmap 60CSx)

Date: May 21, 2014

field observation							by the Midori-kun rapid test				by meters	
Layer	depth	hardness (mm)	texture 1	texture 2	color 1	color 2	rapid test pH	NO <sub>3</sub> kg/10a	K <sub>2</sub> O kg/10a	P <sub>2</sub> O <sub>5</sub> kg/10a	pH meter	EC $\mu$ S/cm
Ap <sub>1</sub>	0 – 8 cm	3	L	SiL	10YR2/3	10YR2/2	6	0	75	10	6.2	144
Ap <sub>2</sub>	8 – 18 cm	12	L	SiL	10YR2/2	10YR2/2	6	0	25	10	6.5	53
2A	18 – 32 cm	18	CL	SiL	10YR2/2	10YR2/2	6	0	25	10	6.8	29
2B <sub>w</sub>	32 – 40 cm	17	CL	CL	7.5YR4/3	10YR3/4	5.5	0	25	10	6.8	30
2BC	40 – 58 cm	20	SiL	CL	7.5YR5/6	10YR4/6	5.5	0	25	10	6.6	21
3B <sub>w</sub>	58 – 85 cm	21	SiL	L	10YR5/8	10YR5/6	5.5	0	10	10	6.5	51
3BC	85 – 105 cm	21	LiC	SiL	10YR5/6	10YR5/6	6	0	25	10	6.6	31
3C	105 – 120 cm	21	SiL	SiL	10YR5/6	10YR5/8(matrix), 10YR4/4(grain)	5.5	0	10	10	6.6	21
gravel	> 120 cm											

## Practice of soil texture and soil color

	texture 1-1	texture 1-2	texture 1-3	texture 2	Color 1-1	color 1-2	color 1-3	color 2
2013 sample Ap (0-10 cm)	HC	HC	LC	SiL	N 1.5/0	N 1.5/0	10YR2/1	10YR 1.7/1
2013 sample 2C (45-56 cm)	SL	SL	SL	CL	10YR3/4	10YR4/3	10YR4/4	10YR4/6
2013 sample 3C (56-66 cm)	SiL	L	CL	SiL	10YR4/3	10YR4/4	10YR4/6	10YR4/6
Red soil (Toyohashi)	CL	CL	LiC	CL	2.5YR4/6	2.5YR4/6	3YR4/8	2.5YR4/6

Notes: Texture 1 and color 1 were determined by the participants.

Texture 2 and color 2 were determined by the lecture after the practice time.