

Results of soil analysis in the JICA Farmer-led Extension Course on January 21, 2016.

Site: South-eastern part of the junior course field, Obihiro University of Agr. & Vet. Med.

No.	layer	depth (cm)	soil color	texture	pH by Midori-kun	NO ₃ (ppm) by Midori-kun	pH(H ₂ O) by pH meter	NO ₃ (ppm) by ion-meter	EC by EC meter	Available P ₂ O ₅ (Truog) mg/100g
1	Ap ₁	0 – 18 cm	10YR2/2	SiL	6.5	0	5.78, 5.96	14, 16	51.0, 60.8	5.92
2	Ap ₂	18 – 28 cm	10YR3/1	SiL	7.3	0	5.79, 5.89	12, 11	46.7, 50.8	0.98
3	Ap ₃	28 – 39 cm	10YR2/3	L	5.4	0	6.29	13	40.4	1.14
4	2B	39 – 54 cm	10YR4/3	CL	7.0	0	6.72	9	28.1	1.39
5	3B ₁	54 – 75 cm	10YR4/6	SL	6.5	0	6.26	8	30.5	0.79
6	3B ₂	75 – 88 cm	10YR6/5	SL	6.5	0	6.56	11	26.5	0.00
7	3C	88 – 106 cm	10YR4/6	SL	5.5	0	6.42	11	26.5	1.72
8	4C	106 – 125 cm	2.5YR4/4	S	6.8	0	6.25	9	25.3	1.59

Available Truog P₂O₅ could not be practiced due to insufficient time. The data shown in this table had been obtained in the practice class of Junior course last year.

NO₃ concentration in vegetables

25 g fresh vegetable + 475 mL deionized water.
Homogenized by a mixer.

Cabbage: 28 ppm in solution 560 ppm in fresh vegetable

Spinach: 180 ppm in solution 3600 ppm in fresh vegetable