

Soil profile description in the YAU field near Ma U Taw village, on 1 March, 2019

Location: N 19° 49' 58" E 96° 16' 3" Crop: fallow

Layer	depth (cm)	Color 1	Color 2	Color 3	Texture 1	Texture 2	Texture 3	Hardness	Wetness	Roots	Mottles	Structure
1Ap <sub>1</sub>	0 - 8	10YR6/2	10YR5/2	10YR5/3	sandy loam	clay loam	light clay	very dense	dry	fine roots abundant	no mottles	granular
1Ap <sub>2</sub>	8 - 23	10YR5/2	10YR5/3	10YR6/2	clay loam	loamy sand	clay loam	very dense	dry	contain medium roots	few mottles	angular blocky
1B <sub>t</sub>	23 - 50	10YR5/3	10YR4/3	10YR5/2	clay loam	sandy loam	clay loam	very dense	dry	contain fine roots	abundant mottles	angular blocky
2A	50 - 68	10YR4/3	10YR3/4	10YR4/3	light clay	silty loam	light clay	very dense	semi wet	no root	common mottles	massive
2BC	68 - 88	10YR5/2	10YR4/4	10YR5/3	clay loam	sandy loam	sandy loam	very dense	semi wet/ dry	no root	common mottles	massive
3AB	88 - 100+	10YR3/3	10YR3/3	10YR3/4	heavy clay	silty loam	loamy sand	very dense	semi wet	no root	few mottles	massive

## Results of soil analysis

Layer	depth (cm)	Rapid analysis with "Midorikun" kit.				pH meter
		pH(H <sub>2</sub> O)	NO <sub>3</sub> -N kg/10a	P <sub>2</sub> O <sub>5</sub> kg/10a	K <sub>2</sub> O kg/10a	pH(H <sub>2</sub> O)
1Ap <sub>1</sub>	0 - 8	6.5	5 - 10	10 - 25	10	6.17
1Ap <sub>2</sub>	8 - 23	5.5	0	10	5	6.20
1B <sub>t</sub>	23 - 50	6.0	0	25	10	6.15
2A	50 - 68	6.0	0	50	5	6.36
2BC	68 - 88	6.0	0	50	5	6.58
3AB	88 - 100+	6.5	15	25	5	6.67