

Interpreting H2Pro Soil moisture graphs



The following tables are only intended as a general guide to aid your understanding of the graphed data you see in your Hortus H2Pro screens.

Converting between Readily Available Water (RAW) to mm per 10cm as seen at each level on a soil moisture stacked graph.

Moisture level	RAW %	Sand	Sandy loam	Loam	Silty loam	clay loam	clay
Full point	90%	16	19	31	36	45	45
Refill pt (summer)	65%	12	14	23	26	33	33
Refill pt (winter)	50%	9	11	18	20	25	25
Stress pt	20%	4	5	8	8	10	10

mm of water per 10cm of soil

Converting between Readily Available Water (RAW) to mm per 40cm as seen on a soil moisture Summed graph of a 40cm probe

Moisture level	RAW %	Sand	Sandy loam	Loam	Silty loam	clay loam	clay
Full point	90%	64	76	124	144	180	180
Refill pt (summer)	65%	48	56	92	104	132	132
Refill pt (winter)	50%	36	44	72	80	100	100
Stress pt	20%	16	20	32	32	40	40

mm of water per 40cm of soil

Converting between Readily Available Water (RAW) to mm per 80cm as seen on a soil moisture Summed graph of a 80cm probe

Moisture level	RAW %	Sand	Sandy loam	Loam	Silty loam	clay loam	clay
Full point	90%	128	152	248	288	360	360
Refill pt (summer)	65%	96	112	184	208	264	264
Refill pt (winter)	50%	72	88	144	160	200	200
Stress pt	20%	32	40	64	64	80	80

mm of water per 80cm of soil

Converting between Readily Available Water (RAW) to mm per 120cm as seen on a soil moisture Summed graph of a 120cm probe

Moisture level	RAW %	Sand	Sandy loam	Loam	Silty loam	clay loam	clay
Full point	90%	192	228	372	432	540	540
Refill pt (summer)	65%	144	168	276	312	396	396
Refill pt (winter)	50%	108	132	216	240	300	300
Stress pt	20%	48	60	96	96	120	120

mm of water per 120cm of soil