

## Article

# Comparative root system architecture of declining and non-declining trees in two apple orchards in New York

**Supplementary Table S1.** Physicochemical properties of the soils in orchard A (Wayne County, NY; 42°55'53"N, 73°53'51"W) and orchard B (Saratoga County, NY; 43°8'40"N, 77°13'22"W).

	TEXTURE			AWC g/g	ORGANIC MATTER (%)	pH	EC (mmhos /cm)	MAJOR ELEMENTS			MINOR ELEMENTS (mg/kg)				OQS
	Sand (%)	Silt (%)	Clay (%)					N (%)	P (mg/kg)	K (mg/kg)	Mg	Fe	Mn	Zn	
Orchard A	54	31	14	0.19	2.9	6.2	0.13	0.15	2.8	87.6	42.1	0.5	2.4	2.2	74
	Sandy loam														High
Orchard B	48	34	17	0.2	2.6	6.5	0.08	0.14	0.6	32.5	62.6	0.8	1.4	0.2	46
	Loam														Medium

AWC: available water capacity; EC: electric conductivity; Major Elements: N (nitrogen), P (phosphorous), K (potassium); Minor Elements: Mg (magnesium), Fe (iron), Mn (manganese), Zn (zinc); and OQS: overall quality score.