

Supplementary Table 1 The soil properties of three orchards

Soils properties	Orchard1	Orchard 2	Orchard 3
	(T1)	(T2)	(T3)
pH	6.5(±0.1)	6.2(±0.1)	6.8(±0.2)
Soil C(g/kg)	41.4(±0.3)	48.5(±0.2)	49.3(±0.4)
Soil N(g/kg)	3.45(±0.05)	4.39(±0.02)	4.25(±0.02)
P (g/kg)	0.526(±0.004)	0.484(±0.002)	0.583(±0.002)
K (g/kg)	25.4(±0.2)	22.7(±0.20)	26.4(±0.2)
Na (g/kg)	14.0(±0.1)	14.5(±0.2)	13.8(±0.2)

Supplementary Table 2 The fruit properties of three cultivars

Fruit properties	T1	T2	T3
Single fruit Weight (g)	255(±2.5)	190(±2.2)	285(±3.3)
Soluble solid Content (%)	15.5(±0.2)	13.5(±0.2)	14.9(±0.3)
Titratable acidity (%)	0.19(±0.03)	0.29(±0.05)	0.16(±0.02)