

Supplement to the response to the reviewer comments

Table 1. General information on the two apple orchards.

Stand age	Longitude	Latitude	Altitude	Height	Trunk	Crown size
(a)			(m)	(cm)	diameter*(cm)	(cm)
11	109°50'13"	35°20'5"	863.8	355	12.0	405×352
17	109°50'18"	35°19'58"	862.9	395	14.4	450×380

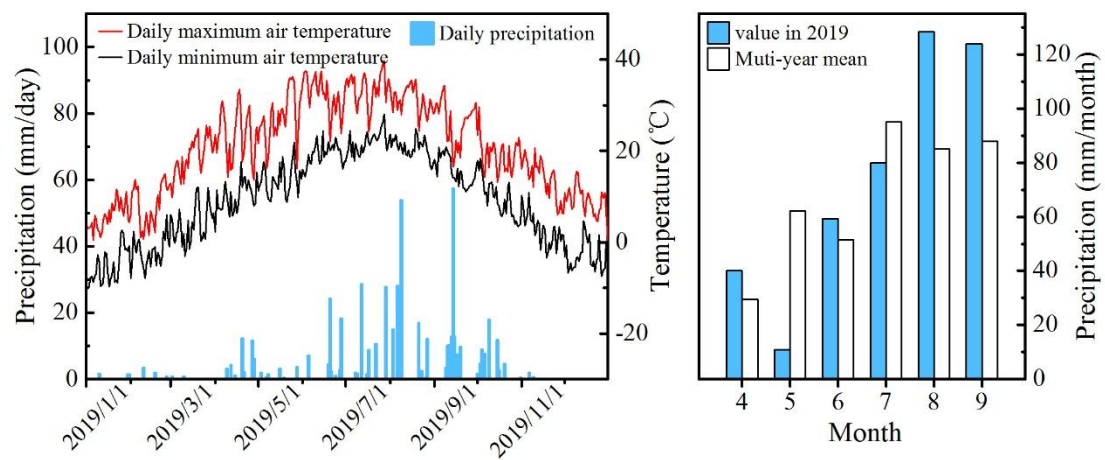


Figure 2: Time series of meteorological data in 2019 and monthly precipitation in 2019 and multi-year mean, respectively.

● Day 1 before labeling ● Day 1 after labeling ● Day 3 after labeling ● Day 5 after labeling ● Day 7 after labeling

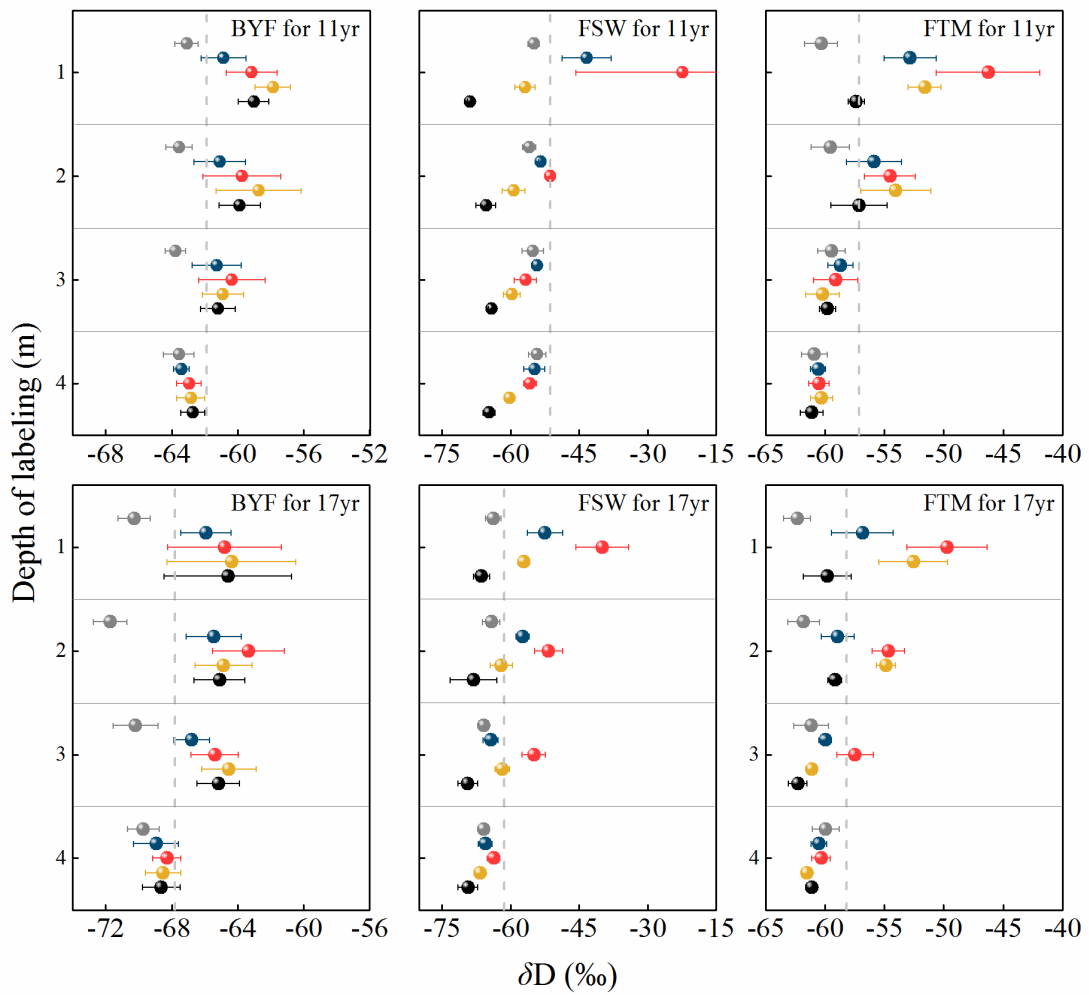


Figure 5: Temporal dynamics of δD values in xylem water for 11- and 17-year-old apple trees. Sample collection started on day 1 before D_2O injection and commenced until day 7. Gray dashed lines represent 2SD above the background value (mean δD values in xylem water on day 1 before labeling).