

Supplementary Table 1. Data compilation results of the linear regression of transpiration (sap flow divided by total leaf area, mm) versus reference crop evapotranspiration (ET_o , mm) for (A) a data compilation of the literature and (B) the results found in this study. The null hypothesis states that the linear slope of the relationship between transpiration and reference crop evapotranspiration is equal to 0.347; therefore, the values in the slope column should equal 0.347. Note that the reciprocal of 0.347 is 2.88 which is the leaf area index (LAI) value for the $E_{2.88}$ model. Method: the sap flow method used in the respective study to estimate total sap flow. HRM: heat ratio method; SHB: stem heat balance method; TDP: thermal dissipation probe method; Tmax: Tmax method; CHPM: compensation heat pulse method; DMA: dual method approach.

	Species	Common Name / Variety	Slope	Intercept	r^2	n	Method	Reference
(A)								
	<i>Olea europaea</i> L.	Agdal Olive	0.347	-0.410	0.861	20	HRM	Table 1; Ayyoub et al 2017
	<i>Citrus reticulata</i> Blanco	Afourer Mandarin	0.302	-0.214	0.965	33	SHB	Table 1; Ayyoub et al 2017
	<i>Olea europaea</i> L.	Arbequino Olive	0.296	0.160	0.926	30	SHB	Table 1; Ayyoub et al 2017
	<i>Carya illinoensis</i> (Wangenh.) K.Koch	Pecan	0.351	-0.188	0.710	19	SHB	Table 1; Ayyoub et al 2017
	<i>Olea europaea</i> L.	Nocellara del Belice Olive	0.338	0.000	0.637	9	TDP	Table 2; Cammalleri et al 2013
	<i>Olea europaea</i> L.	Nocellara del Belice Olive	0.267	0.000	0.646	9	TDP	Table 3; Cammalleri et al 2013
	<i>Citrus paradise</i> Macfad.	Marsh Seedless Grapefruit	0.281	0.000	0.962	15	Tmax	Figure 2; Cohen 1991
	<i>Poncirus trifoliata</i> L.	Tahiti Acid Lime Citrus	0.340	0.000	0.760		SHB	Figure 2; Pereira & Villa Nova 2009
	<i>Malus domestica</i> Borkh.	Dwarf Apple	0.346	0.000	0.845	23	CHPM	Table 2; Pereira et al 2006
	<i>Malus domestica</i> Borkh.	Normal Apple	0.346	0.000	0.876	10	CHPM	Table 2; Pereira et al 2006
	<i>Olea europaea</i> L.	Barnea Olive	0.348	0.000	0.835	31	CHPM	Table 2; Pereira et al 2006
	<i>Juglans regia</i> L.	Walnut	0.356	0.000	0.970	8	CHPM	Table 2; Pereira et al 2006
	<i>Vitis vinifera</i> L.	Merlot Grapevine	0.195	0.470	0.511	30	CHPM	Table 2; Pereira et al 2006
	<i>Actinidia deliciosa</i> (A.Chev.) C.F.Liang & A.R.Ferguson	Kiwifruit	0.420	0.350	0.863	26	CHPM	Table 2; Pereira et al 2006
	<i>Olea europaea</i> L.	Manzanilla Fina Olive	0.210	-0.240	0.840		SHB	Figure 5; Rousseaux et al 2009
		AVERAGE	0.316					
		(±S.D.)	(±0.059)					

(B)								
	<i>Pyrus communis</i> L.	Beurre Bosc Pear	0.343	0.000	0.789	35	DMA	
	<i>Syzygium floribundum</i> F.Muell.	Weeping Lilly Pilly	0.344	0.000	0.799	34	DMA	
	<i>Syzygium paniculatum</i> Gaertn.	Lilly Pilly	0.335	0.000	0.741	28	DMA	
	<i>Pyrus communis</i> L.	Beurre Bosc Pear	0.361	0.000	0.779	35	HRM	
	<i>Syzygium floribundum</i> F.Muell.	Weeping Lilly Pilly	0.284	0.000	0.136	34	HRM	
	<i>Syzygium paniculatum</i> Gaertn.	Lilly Pilly	0.233	0.000	0.448	28	HRM	
	<i>Pyrus communis</i> L.	Beurre Bosc Pear	0.709	0.000	0.000	35	Tmax	
	<i>Syzygium floribundum</i> F.Muell.	Weeping Lilly Pilly	0.554	0.000	0.426	34	Tmax	
	<i>Syzygium paniculatum</i> Gaertn.	Lilly Pilly	0.431	0.000	0.000	28	Tmax	