

Table 7. Absorbance at 670 nm (Chlorophyll) noted in the ‘Arbequina’. ‘Picual’ and ‘Verdial’ olive oils extracted from fruit, picked with a Manual Inverted Umbrella (R1) and in a traditional way (R2) and stored during 0, 4, 8, and 14 days at 5 °C (C1) and ambient temperature (C2)<sup>a</sup>.

		CHLOROPHYLL					
ST(days); R (1.2); C (1.2)		ARBEQUINA		PICUAL		VERDIAL	
		year 1	year 2	year 1	year 2	year 1	year 2
0; 1; 1		9.67 ± 0.93 <b>B</b> b x	12.48 ± 1.70 <b>B</b> x	4.31 ± 0.70 <b>B</b> a x	13.08 ± 1.73 b x	2.17 ± 0.10 <b>C</b>	23.35 ± 3.10 <b>AB</b>
0; 1; 2		9.67 ± 0.93 <b>A</b> b x	12.48 ± 1.70 <b>B</b> x	4.31 ± 0.70 <b>B</b> a x	13.08 ± 1.73 <b>A</b> b x	2.17 ± 0.10 <b>B</b>	23.35 ± 3.10 <b>A</b>
0; 2; 1		12.64 ± 0.90 <b>AB</b> a y	15.16 ± 0.51 y	2.64 ± 0.30 <b>B</b> b y	18.53 ± 0.70 <b>A</b> a y	2.63 ± 0.50 <b>B</b>	24.23 ± 2.28
0; 2; 2		12.64 ± 0.90 <b>A</b> a y	15.16 ± 0.51 <b>A</b> y	2.64 ± 0.30 <b>B</b> b y	18.53 ± 0.70 <b>A</b> a y	2.63 ± 0.50 <b>B</b>	24.23 ± 2.28 <b>A</b>
4; 1; 1		12.80 ± 1.75 <b>AB</b> ab α	11.70 ± 0.14 <b>B</b> x α	3.54 ± 0.08 <b>B</b> bc x α	13.28 ± 2.10 b x α	4.49 ± 0.64 <b>A</b> ab x α	18.51 ± 1.97 <b>B</b>
4; 1; 2		8.60 ± 1.08 <b>AB</b> c β	10.11 ± 0.69 <b>B</b> x β	4.11 ± 0.26 <b>B</b> a x β	10.80 ± 1.02 <b>AB</b> b x β	3.77 ± 0.23 <b>A</b> b x β	18.90 ± 1.77 <b>AB</b>
4; 2; 1		14.24 ± 0.88 <b>A</b> a α	16.84 ± 2.51 y α	2.96 ± 0.29 <b>B</b> c y α	19.32 ± 2.77 <b>A</b> a y α	5.71 ± 0.29 <b>A</b> a y α	22.32 ± 2.26
4; 2; 2		10.47 ± 1.32 <b>AB</b> bc β	9.85 ± 0.05 <b>B</b> y β	3.28 ± 0.22 <b>B</b> c y β	14.26 ± 0.96 <b>B</b> b y β	4.36 ± 0.69 <b>A</b> b y β	17.65 ± 1.46 <b>B</b>
8; 1; 1		13.87 ± 1.12 <b>A</b> a x α	17.87 ± 1.58 <b>A</b> a α	3.90 ± 0.21 <b>B</b> a x	13.12 ± 2.97 b x α	4.34 ± 0.21 <b>A</b> b x α	24.85 ± 1.35 <b>A</b> a α
8; 1; 2		7.80 ± 0.40 <b>AB</b> b x β	9.69 ± 0.71 <b>B</b> b β	3.77 ± 0.28 <b>B</b> a x	9.46 ± 0.86 <b>B</b> b x β	4.19 ± 0.30 <b>A</b> b x β	16.37 ± 0.57 <b>B</b> b β
8; 2; 1		14.35 ± 1.56 <b>A</b> a y α	17.76 ± 2.23 a α	2.06 ± 0.19 <b>A</b> c y	18.92 ± 0.68 <b>A</b> a y α	5.26 ± 0.20 <b>A</b> a y α	27.54 ± 1.49 a α
8; 2; 2		11.92 ± 1.39 <b>AB</b> a y β	10.60 ± 0.27 <b>B</b> b β	2.82 ± 0.13 <b>A</b> b y	11.09 ± 1.03 <b>C</b> b y β	4.13 ± 0.39 <b>A</b> b y β	14.91 ± 0.18 <b>B</b> b β
14; 1; 1		11.31 ± 1.00 <b>AB</b> a α	20.22 ± 0.97 <b>A</b> a x α	3.00 ± 0.21 <b>A</b>	12.48 ± 1.71 a α	3.26 ± 0.28 <b>B</b> c x	27.92 ± 2.03 <b>A</b> a α
14; 1; 2		6.00 ± 1.64 <b>B</b> b β	15.85 ± 1.22 <b>A</b> b x β	3.40 ± 0.22 <b>A</b>	8.02 ± 0.37 <b>B</b> b β	4.36 ± 0.23 <b>A</b> b x	16.77 ± 1.24 <b>B</b> b β
14; 2; 1		10.57 ± 1.17 <b>B</b> a α	17.30 ± 1.38 ab y α	2.60 ± 0.74 <b>A</b>	13.57 ± 1.59 <b>B</b> a α	5.54 ± 0.30 <b>A</b> a y	24.75 ± 2.28 a α
14; 2; 2		8.96 ± 1.39 <b>B</b> ab β	14.25 ± 1.09 <b>A</b> b y β	3.40 ± 0.53 <b>A</b>	8.68 ± 0.82 <b>D</b> b β	4.59 ± 0.55 <b>A</b> ab y	18.76 ± 1.34 <b>B</b> b β
Storage (ST)	Time	.000	.000	.035	.000	.000	.000
Treatment (T)		.000	.000	.000	.000	.000	.000
ST × T		.002	.000	.003	.001	.001	.000
Harvesting (R)		.000	.036	.000	.000	.000	.343
Conservation (C)		.000	.000	.005	.000	.001	.000
ST × R		.274	.000	.000	.005	.039	.677
ST × C		.000	.000	.302	.000	.003	.000
R × C		.008	.314	.268	.053	.000	.376
ST × R × C		.119	.010	.321	.332	.022	.012

<sup>a</sup> In each variable the values of different treatments followed by different letters are significantly different according to the Tukey test (P < 0.05). Absence of letters means no significant effect due to treatment according to one-way ANOVA (P < 0.05). In each column, values at different storage times (ST) and the same harvesting method (R) and conservation method (C), followed by different upper bold case letters are significantly different; four values at each ST, followed by different lower case letters (a, b, c, d) are different; two values at the

same ST and same conservation method (C), but different harvesting method (R), followed by lower case letters (x or y), are different; two values at the same ST and same R, but different C, followed by different Greek letters are significantly different. Each value is the mean  $\pm$  SD of 3 replicates.