

Table 10. α -Tocopherols (mg/kg) 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)^a.

ST(days); R (1.2); C (1.2)	α -TOCOPHEROLS					
	ARBEQUINA		PICUAL		VERDIAL	
	year 1	year 2	year 1	year 2	year 1	year 2
0; 1; 1	228.67 \pm 8.24 A x	185.49 \pm 17.49 x	222.08 \pm 1.10 A a x	154.47 \pm 9.65 b x	192.55 \pm 1.15 B	106.10 \pm 10.33
0; 1; 2	228.67 \pm 8.24 A x	185.49 \pm 17.49 x	222.08 \pm 1.10 a x	154.47 \pm 9.65 B b x	192.55 \pm 1.15 BC	106.10 \pm 10.33 B
0; 2; 1	256.90 \pm 16.94 A y	212.31 \pm 4.15 A y	210.55 \pm 1.58 b y	182.48 \pm 0.65 A a y	196.97 \pm 14.17 AB	106.67 \pm 4.09
0; 2; 2	256.90 \pm 16.94 A y	212.31 \pm 4.15 AB y	210.55 \pm 1.58 B b y	182.48 \pm 0.65 a y	196.97 \pm 14.17 A	106.67 \pm 4.09 B
4; 1; 1	209.43 \pm 7.29 B x	197.03 \pm 6.14 ab x	229.38 \pm 6.89 A	178.66 \pm 3.64 α	210.74 \pm 4.99 A	105.95 \pm 12.59
4; 1; 2	211.53 \pm 10.46 B x	194.31 \pm 5.90 b x	241.66 \pm 23.38	174.75 \pm 3.56 AB β	218.89 \pm 4.76 A	115.86 \pm 10.83 AB
4; 2; 1	226.28 \pm 6.44 B y	208.20 \pm 4.35 A a y	222.16 \pm 25.82	190.79 \pm 8.75 A α	223.41 \pm 16.62 A	107.88 \pm 6.80
4; 2; 2	227.97 \pm 14.50 AB y	198.81 \pm 1.17 AB ab y	222.82 \pm 6.16 A	166.19 \pm 17.89 β	196.96 \pm 9.55 A	105.17 \pm 8.37 B
8; 1; 1	237.67 \pm 3.52 A α	182.35 \pm 4.95	235.48 \pm 10.39 A a x	169.97 \pm 14.68	215.12 \pm 6.06 A a x	113.45 \pm 4.72 ab x
8; 1; 2	232.37 \pm 15.49 A β	174.26 \pm 6.66	242.33 \pm 6.73 a x	195.13 \pm 17.47 A	209.62 \pm 5.82 AB a x	121.85 \pm 1.92 AB a x
8; 2; 1	240.60 \pm 1.91 AB α	183.71 \pm 9.41 B	205.82 \pm 5.47 b y	202.74 \pm 19.72 A	178.03 \pm 11.24 B b y	105.08 \pm 2.20 b y
8; 2; 2	220.03 \pm 3.62 B β	183.89 \pm 12.24 B	215.43 \pm 6.23 AB b y	198.99 \pm 12.82	167.04 \pm 11.58 B b y	103.89 \pm 4.91 B b y
14; 1; 1	234.75 \pm 1.73 A a x	205.75 \pm 3.23	193.56 \pm 5.70 B b α	174.72 \pm 18.87 a x	176.51 \pm 7.74 C	124.04 \pm 3.44
14; 1; 2	236.23 \pm 3.18 AB a x	191.96 \pm 3.25	229.75 \pm 17.31 a β	172.53 \pm 2.92 AB a x	186.43 \pm 14.65 C	126.23 \pm 2.94 A
14; 2; 1	227.19 \pm 2.82 B b y	200.87 \pm 4.25 A	216.01 \pm 4.25 ab α	140.66 \pm 4.16 B b y	183.20 \pm 5.22 B	118.35 \pm 6.40
14; 2; 2	225.80 \pm 2.24 B b y	237.63 \pm 35.73 A	219.64 \pm 1.43 AB a β	173.14 \pm 13.12 a y	180.00 \pm 3.47 AB	123.11 \pm 5.27 A
Storage Time (ST)	.000	.000	.008	.000	.000	.000
Treatment (T)	.032	.001	.000	.120	.001	.029
ST \times T	.001	.045	.015	.000	.000	.455
Harvesting (R)	.007	.000	.001	.028	.001	.012
Conservation (C)	.320	.917	.009	.402	.213	.196
ST \times R	.000	.119	.005	.000	.000	.134
ST \times C	.212	.310	.175	.022	.310	.899
R \times C	.401	.072	.108	.588	.022	.233
ST \times R \times C	.727	.030	.198	.012	.151	.490

^a 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.