

Supplementary material

Table S1. Orange fruit quality ± standard error (SE) under the effect of six different treatments (control, topping, dichlorprop-p, triclopyr, topping + dichlorprop-p and topping + triclopyr) from the two experimental orchards with different rootstocks (CIVAC19 and Forner-Alcaide no. 517) and cultivars ('Lane Late' and 'Valencia Delta Seedless') from the 2020 harvest season.

Lane Late/CIVAC19							
Treatment	D ± SE (mm)	PT ± SE (mm)	Weigh (g) ± SE	Juice (%) ± SE	TSS (°Brix) ± SE	TA (g/100 cm ³)	MI ± SE
Control	87.32 ± 0.52 ns	5.98 ± 0.05 ns	354.30 ± 12.91 a	45.41 ± 0.23 ns	11.22 ± 0.19 ns	0.71 ± 0.02 ns	15.81 ± 0.52 ns
Topping	84.68 ± 1.06 ns	6.06 ± 0.09 ns	312.93 ± 4.87 b	45.72 ± 0.22 ns	11.17 ± 0.19 ns	0.91 ± 0.21 ns	13.49 ± 2.52 ns
Dichlorprop-p	88.10 ± 1.28 ns	6.15 ± 0.54 ns	375.25 ± 20.77 a	47.16 ± 0.29 ns	11.06 ± 0.53 ns	0.72 ± 0.03 ns	15.38 ± 0.32 ns
Triclopyr	86.89 ± 1.43 ns	5.58 ± 0.57 ns	350.03 ± 13.08 ab	46.46 ± 1.94 ns	11.20 ± 0.40 ns	0.74 ± 0.03 ns	15.06 ± 0.44 ns
Topping + Dichlorprop-p	87.92 ± 0.95 ns	5.67 ± 0.39 ns	371.07 ± 9.95 a	46.99 ± 0.13 ns	15.99 ± 4.49 ns	0.72 ± 0.05 ns	23.03 ± 7.85 ns
Topping + Triclopyr	85.46 ± 0.69 ns	5.89 ± 0.41 ns	343.44 ± 7.70 ab	45.39 ± 0.52 ns	11.01 ± 0.31 ns	0.75 ± 0.05 ns	15.08 ± 0.61 ns
Valencia DS/FA517							
Control	74.36 ± 1.34 ns	5.86 ± 0.11 ns	218.44 ± 14.30 ns	49.63 ± 0.36 ns	10.70 ± 0.41 ns	1.47 ± 0.03 ns	7.27 ± 0.15 c
Topping	74.12 ± 1.30 ns	5.75 ± 0.58 ns	212.28 ± 5.67 ns	50.32 ± 1.68 ns	10.81 ± 0.03 ns	1.45 ± 0.06 ns	7.50 ± 0.29 bc
Dichlorprop-p	77.25 ± 0.48 ns	5.67 ± 0.16 ns	242.76 ± 9.89 ns	50.66 ± 0.95 ns	11.06 ± 0.21 ns	1.42 ± 0.03 ns	7.78 ± 0.31 abc
Triclopyr	74.94 ± 0.94 ns	5.24 ± 0.31 ns	221.52 ± 6.67 ns	49.38 ± 0.48 ns	11.16 ± 0.19 ns	1.47 ± 0.03 ns	7.60 ± 0.18 bc
Topping + Dichlorprop-p	78.10 ± 1.44 ns	6.07 ± 0.27 ns	248.95 ± 12.81 ns	49.10 ± 0.84 ns	10.83 ± 0.20 ns	1.27 ± 0.02 ns	8.52 ± 0.26 a
Topping + Triclopyr	76.50 ± 1.77 ns	5.56 ± 0.45 ns	235.93 ± 13.29 ns	50.29 ± 1.73 ns	10.87 ± 0.53 ns	1.33 ± 0.10 ns	8.19 ± 0.30 ab

Values with different letters are significantly different among the treatments according to LSD-Fisher test ($p < 0.05$). ns: non-statistical differences. FA517: Forner-Alcaide no. 517 and Valencia DS: 'Valencia Delta Seedless'; D: Diameter; PT: Peel thickness; Weigh: Weigh of the fruit sample analyzed for fruit quality; TSS: Total Soluble Solids; TA: Titratable Acidity; MI: Maturity index.

Table S2. Shoot number ± standard error (SE) under the effect of six different treatments (control, topping, dichlorprop-p, triclopyr, topping + dichlorprop-p and topping + triclopyr) in the two experimental orchards with different rootstocks (CIVAC19 and Forner-Alcaide no. 517) and cultivars ('Lane Late' and 'Valencia Delta Seedless').

Treatment	July, 2018		September, 2018		July, 2019		September, 2019	
	Lane Late/CIVAC19	Valencia DS/FA517	Lane Late/CIVAC19	Valencia DS/FA517	Lane Late/CIVAC19	Valencia DS/FA517	Lane Late/CIVAC19	Valencia DS/FA517
Control	4.33 ± 0.33 bcdef	3.50 ± 0.22 cdefghi	7.50 ± 0.76 a	5.50 ± 0.34 abcd	3.33 ± 0.71 defghi	6.29 ± 1.80 ab	1.60 ± 1.03 hijklm	0.33 ± 0.21 klm
Topping	5.00 ± 1.00 abcde	6.50 ± 0.72 ab	3.17 ± 1.25 defghi	4.00 ± 1.03 bcdefg	7.00 ± 1.72 a	2.89 ± 0.75 efg hij	0.40 ± 0.24 jklm	0.00 ± 0.00 m
Dichlorprop-p	1.83 ± 0.40 ghijklm	2.17 ± 0.60 fghijklm	4.50 ± 1.26 bcdef	2.60 ± 0.60 efgijklm	1.33 ± 0.53 ijklm	1.44 ± 0.80 hijklm	0.20 ± 0.20 klm	2.17 ± 0.79 fghijklm
Triclopyr	3.00 ± 0.37 defghij	4.00 ± 0.68 bcdefg	5.00 ± 0.89 abcde	7.50 ± 1.15 a	2.00 ± 0.55 ghijklm	1.67 ± 0.65 hijklm	2.60 ± 1.03 efgijklm	0.17 ± 0.17 lm
Topping + dichlorprop-p	2.83 ± 0.40 efghijk	6.00 ± 0.86 abc	5.67 ± 0.76 abc	2.83 ± 0.48 efghijk	4.44 ± 1.76 bcdef	1.67 ± 0.69 hijklm	0.00 ± 0.00 m	0.33 ± 0.21 klm
Topping + triclopyr	2.50 ± 0.62 efghijklm	4.33 ± 0.67 bcdef	3.67 ± 0.49 cdefgh	2.67 ± 0.33 efghijkl	3.89 ± 0.99 cdefg	1.56 ± 0.47 hijklm	0.40 ± 0.24 jklm	0.33 ± 0.21 klm

Values with different letters are significantly different among treatments and between the orchards assayed according to LSD-Fisher test ($p < 0.05$). Valencia DS: 'Valencia Delta Seedless'; FA517: Forner-Alcaide no. 517.