

Table S1. Fruits weight and pigmentation index for eight cultivars grown in two different planting systems: rainfed traditional (TRD; 277 trees ha<sup>-1</sup>) and irrigated superintensive (SHD; 1666 trees ha<sup>-1</sup>). For each mean value the first letter denotes statistical differences among cultivars, while the second one denotes statistical difference between planting systems for each cultivar (p>0.05; SNK test).

Cultivar	Fruit weight (g)	
	TRD	SHD
Carolea	2.82 ± 0.23 b,A	5.30 ± 0.16 a,A
Cima di Bitonto	1.72 ± 0.13 b,B	2.96 ± 0.11 a,C
Coratina	1.79 ± 0.16 b,B	3.49 ± 0.13 a,B
Frantoio	1.69 ± 0.07 b,B	2.42 ± 0.11 a,C
Leccino	1.86 ± 0.05 b,B	2.89 ± 0.06 a,C
Maurino	1.36 ± 0.05 b,C	2.51 ± 0.04 a,C
Nociara	1.54 ± 0.06 b,B	2.73 ± 0.06 b,C
Peranzana	2.00 ± 0.13 b,B	3.66 ± 0.11 a,B
mean	1.85 ± 0.05 B	3.25 ± 0.06 A