



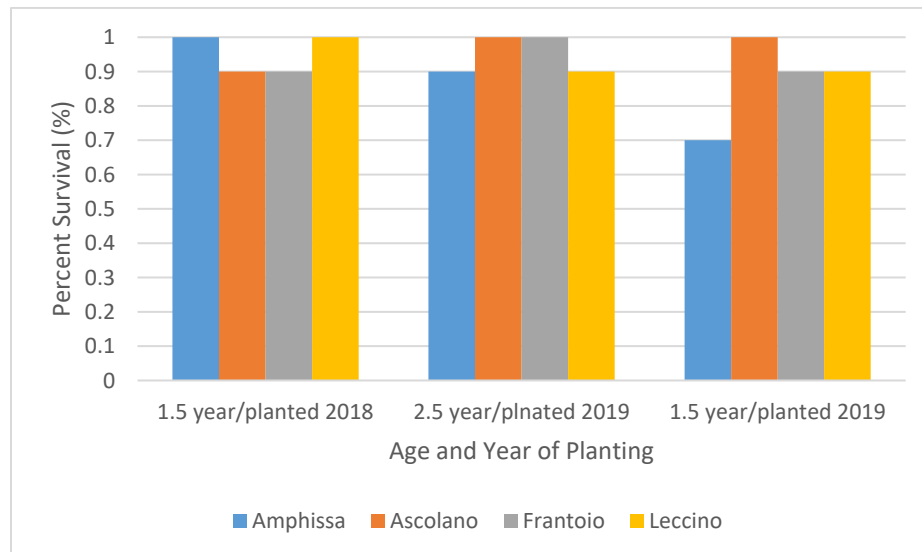
Up potting plantings – Woodhall (top) sloped site, NWREC (bottom) flat site. November 2020

Effect of production system and cultivar on mean difference in shoot number for all shoots longer than 5 cm, mean difference in length of longest shoot from trunk to shoot apex, and mean difference in trunk diameter at 10 cm above soil surface, between measurements taken at planting (spring or fall depending on treatment) and at the end of the second growing season (November) for olive trees planted in 2018-2019 at the North Willamette Research and Extension Center (Aurora, OR) (n = 9).

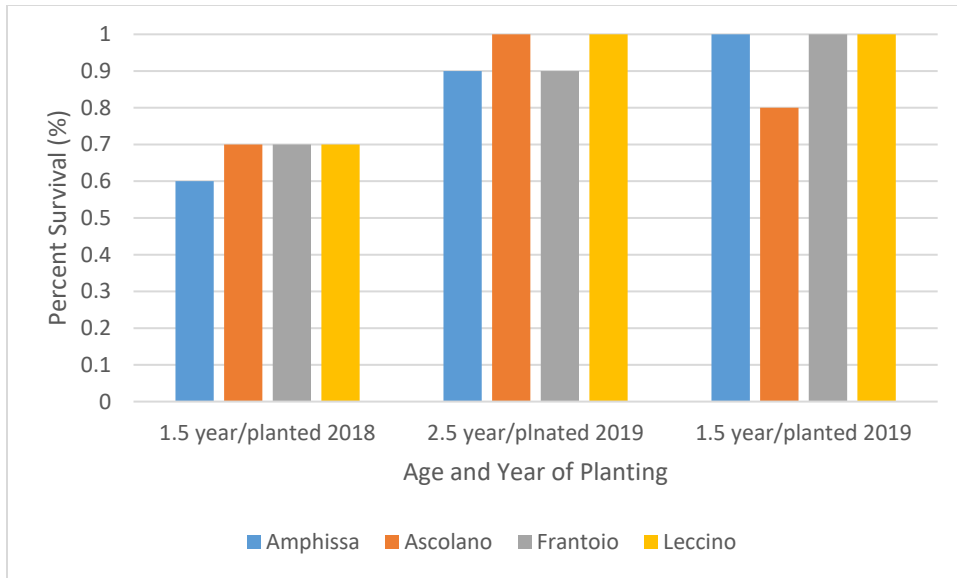
Treatments	Difference in Shoot No.	Difference in Length of Longest Shoot (cm)		Difference in Trunk Diameter (mm)
Production System				
Fall-planted	182	17 b ^z		21
Spring-planted	149	80 a		20
Cultivar				
		<u>Fall</u>	<u>Spring</u>	
Amphissa	102 b	21 c	80 ab	20 a
Ascolano	141 b	19 c	62 b	13 b
Frantoio	216 a	15 c	101 a	22 a
Leccino	204 a	13 c	77 ab	25 a
Significance^y				
<i>Production System(P)</i>	ns	<.0001		ns
<i>Cultivar(C)</i>	<.0001	0.0293		<.0001
<i>P x C</i>	ns	0.0055		ns

^zMeans followed by the same letter are not significantly different at $P \leq 0.05$.

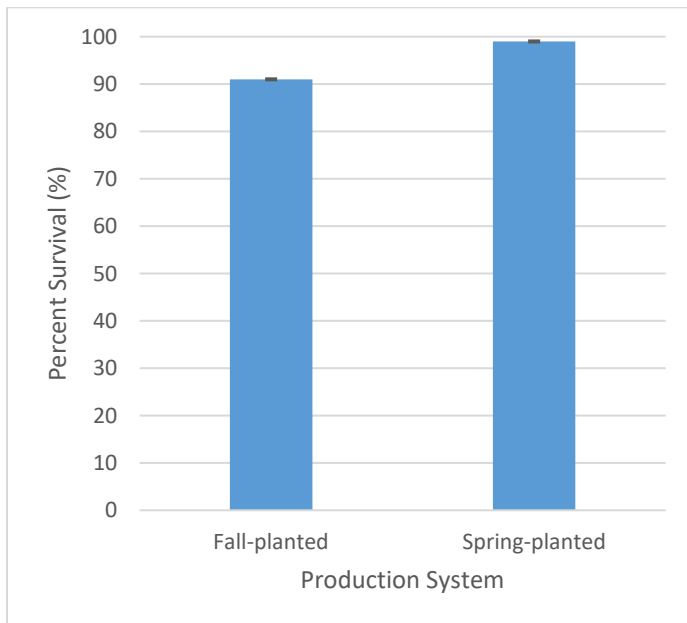
^y P value provided unless non-significant (ns; $P \geq 0.05$).



Percent survival as of November 2020 for olive trees fall-planted at 1.5 and 2.5 years of age, respectively, in 2018 and 2019 at NWREC (Aurora, OR) (NS; $P > .05$).



Percent survival as of November 2020 for olive trees fall-planted at 1.5 and 2.5 years of age, respectively, in 2018 and 2019 at Woodhall (Monroe, OR) (NS; $P > .05$).



Percent survival based on production system, for olive trees planted at NWREC (Aurora OR), after one or two growing seasons averaged across tree age ($P = 0.0283$ for production system, tree age was NS).