

Table S1. Soil and climate characteristics of the evaluation site, 2016-2017.

Variable	La Platina Experimental Station*
Temperature	Average
	minimal/ maximum (°C)
September	4.8 / 23.5
October	7.6 / 23.8
November	9.4 / 28.9
December	11.3 / 29.1
January	13.9 / 33.4
February	12.7 / 30.8
March	10.1 / 27.9
Mean relative humidity	(%)
September	60.3
October	61.6
November	55.8
December	60.2
January	49.7
February	56.8
March	57.9
Soil	
Soil type	Mollisol
Soil origin	Alluvial
pH H ₂ O 1:1 (0-65 cm)	7.9
Soil texture	Clay-sandy
Organic matter (0-40 cm) %	2.2

Weather conditions during the growth season were obtained from INIA La Platina weather station, Santiago, Chile (33°34'20.20" S, 70°37'31.22" O, 620 m.a.s.l). www.agrometeorologia.cl, accessed on 5 of January 2023.