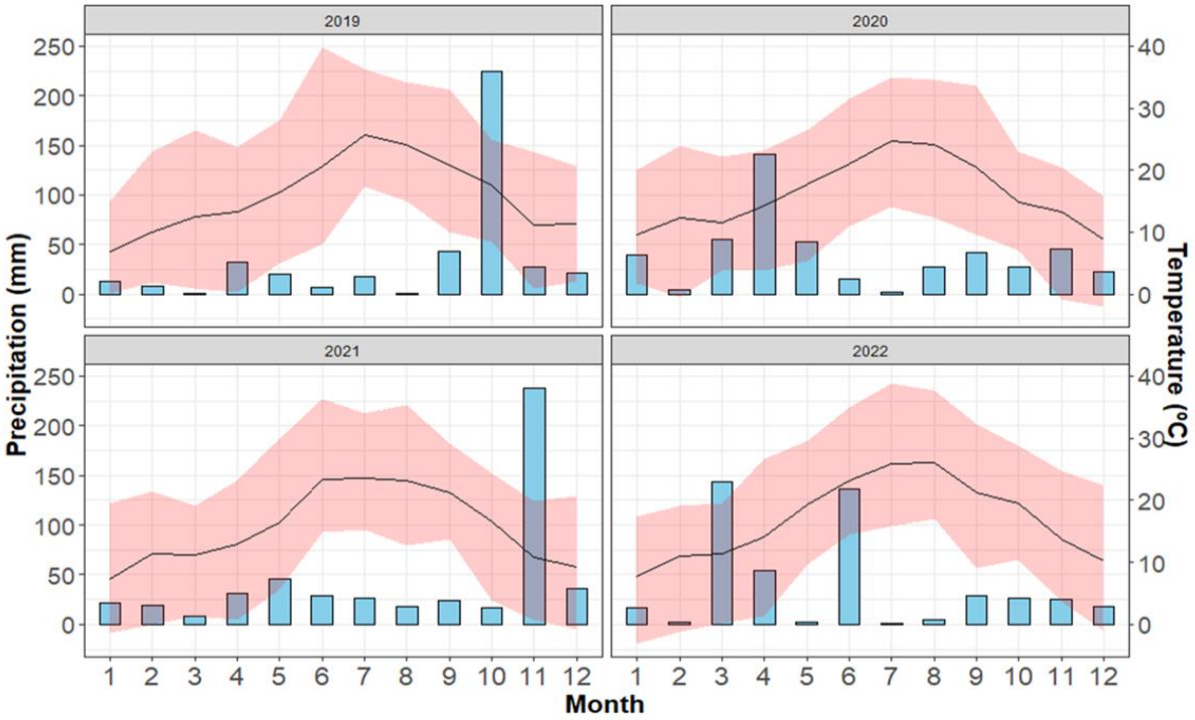
SUPPLEMENTARY DATA
Wilhelm de Almeida, L., Pellegrino, A., Fontez, B., Torregrosa, L., & Ojeda, H. (2023).
Short and long-term acclimation to water status at leaf and plant level of fungus-tolerant genotypes. *OENO One, 57*(2).
https://doi.org/10.20870/oeno-one.2023.57.2.7431

Supplementary Material

SUPPLEMENTARY FIGURE S1. Accumulated precipitation (mm), mean temperature (black line), average of maximum and minimum temperatures (upper and lower limits of red shade) from January (1) to December (12), Gruissan – France, 2019-2022.



SUPPLEMENTARY DATA
Wilhelm de Almeida, L., Pellegrino, A., Fontez, B., Torregrosa, L., & Ojeda, H. (2023).
Short and long-term acclimation to water status at leaf and plant level of fungus-tolerant genotypes. *OENO One, 57*(2).
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SUPPLEMENTARY TABLE S1. Means of accumulated **Ψ**p (Acc- **Ψ**p) over the season for 6 fungus disease-tolerant genotypes and Syrah, under irrigated (I) and non-irrigated (NI) treatments, from 2019 to 2022, Gruissan-France.

		Syrah				3176N				3159B				Artaban				Floreal				G14				G5			
		I		NI		I		NI		I		NI		I		NI		I		NI		I		NI		I		NI	
		Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*
Acc-Ψp (Mpa)	2019	**-0,50**	***0,04***	**-0,57**	***0,04***	-0,33	*0,03*	-0,31	*0,03*	-0,32	*0,04*	-0,33	*0,02*	-0,28	*0,02*	-0,30	*0,03*	**-0,36**	***0,04***	**-0,43**	***0,07***	**-0,33**	***0,03***	**-0,40**	***0,05***	**-0,23**	***0,02***	**-0,28**	***0,03***
	2020	**-0,33**	***0,02***	**-0,38**	***0,02***	**-0,18**	***0,01***	**-0,23**	***0,02***	**-0,23**	***0,02***	**-0,28**	***0,02***	**-0,25**	***0,02***	**-0,31**	***0,03***	**-0,43**	***0,04***	**-0,60**	***0,05***	**-0,41**	***0,04***	**-0,50**	***0,08***	**-0,24**	***0,03***	**-0,29**	***0,06***
	2021	**-0,70**	***0,06***	**-0,94**	***0,08***	**-0,53**	***0,05***	**-0,76**	***0,03***	**-0,55**	***0,06***	**-0,85**	***0,04***	**-0,46**	***0,01***	**-0,64**	***0,10***	**-0,62**	***0,06***	**-0,90**	***0,06***	**-0,48**	***0,08***	**-0,84**	***0,09***	**-0,42**	***0,03***	**-0,71**	***0,08***
	2022	-0,52	*0,06*	-0,50	*0,05*	-0,24	*0,02*	-0,26	*0,03*	-0,29	*0,04*	-0,30	*0,04*	-0,32	*0,08*	-0,29	*0,04*	**-0,80**	***0,07***	**-0,73**	***0,07***	**-0,56**	***0,13***	**-0,42**	***0,10***	-0,33	*0,06*	-0,35	*0,08*

* Values in bold indicate statistical differences between I and NI treatments within genotype and year (Bonferroni adjustment, 0.05 significance level). In the 2022 season no irrigation was performed.

SUPPLEMENTARY DATA
Wilhelm de Almeida, L., Pellegrino, A., Fontez, B., Torregrosa, L., & Ojeda, H. (2023).
Short and long-term acclimation to water status at leaf and plant level of fungus-tolerant genotypes. *OENO One, 57*(2).
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SUPPLEMENTARY TABLE S2. Means of berry weight, number of berries per cluster, number of clusters per shoot, cluster weight and yield,for 6 fungus disease-tolerant genotypes and Syrah, under irrigated (I) and non-irrigated (NI) treatments, from 2019 to 2022, Gruissan-France.

		Syrah				3176N				3159B				Artaban				Floreal				G14				G5			
		I		NI		I		NI		I		NI		I		NI		I		NI		I		NI		I		NI	
		Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*
Berry weight (g)	2019	1,4	*0,1*	1,3	*0,1*	1,9	*0,1*	1,9	*0,1*	1,4	*0,1*	1,4	*0,1*																
	2020	1,6	*0,1*	1,6	*0,1*	2,3	*0,1*	2,2	*0,1*	1,6	*0,1*	1,6	*0,1*	1,7	*0,1*	1,6	*0,2*	1,4	*0,1*	1,3	*0,2*	**1,7**	***0,2***	**1,5**	***0,3***	**2,2**	***0,2***	**2,0**	***0,3***
	2021	**1,2**	***0,1***	**0,7**	***0,2***	**1,9**	***0,1***	**1,3**	***0,1***	**1,5**	***0,1***	**1,0**	***0,1***	**1,3**	***0,2***	**1,0**	***0,2***	**1,5**	***0,1***	**1,0**	***0,2***	**1,5**	***0,2***	**0,8**	***0,2***	**1,8**	***0,1***	**1,1**	***0,2***
	2022	1,8	*0,1*	1,8	*0,2*	2,5	*0,1*	2,5	*0,1*	1,8	*0,1*	1,8	*0,1*	1,8	*0,1*	1,8	*0,4*	**1,3**	***0,2***	**1,4**	***0,2***	1,4	*0,3*	1,5	*0,2*	2,2	*0,6*	2,2	*0,3*
Nb of berries per cluster	2019	69	*14*	80	*13*	153	*26*	163	*36*	161	*29*	164	*40*																
	2020	102	*29*	87	*19*	95	*12*	95	*12*	139	*24*	149	*18*	137	*16*	124	*24*	**128**	***21***	**105**	***18***	177	*46*	195	*39*	85	*11*	87	*12*
	2021	78	*22*	73	*25*	126	*28*	125	*27*	**111**	***38***	**70**	***22***	141	*25*	144	*24*	82	*17*	72	*28*	**137**	***37***	**108**	***27***	66	*15*	60	*15*
	2022	89	*20*	81	*18*	96	*27*	87	*24*	129	*28*	141	*26*	108	*22*	99	*19*	77	*15*	63	*21*	**105**	***44***	**155**	***59***	55	*9*	53	*10*
Nb of clusters per shoot	2019	**1,1**	***0,4***	**1,5**	***0,5***	**1,6**	***0,5***	**1,2**	***0,3***	1,1	*0,2*	1,1	*0,2*																
	2020	1,8	*0,5*	1,7	*0,3*	1,1	*0,2*	1,1	*0,2*	0,9	*0,1*	0,9	*0,1*	1,5	*0,2*	1,3	*0,3*	1,4	*0,3*	1,4	*0,3*	1,3	*0,2*	1,4	*0,3*	**2,5**	***0,6***	**1,9**	***0,6***
	2021	**1,3**	***0,3***	**1,6**	***0,6***	0,7	*0,2*	0,8	*0,2*	0,6	*0,3*	0,6	*0,2*	**1,0**	***0,3***	**1,3**	***0,4***	**0,9**	***0,2***	**0,4**	***0,1***	0,5	*0,3*	0,6	*0,3*	0,9	*0,5*	1,1	*0,6*
	2022	**1,2**	***0,4***	**0,9**	***0,3***	1,2	*0,3*	1,2	*0,4*	1,0	*0,3*	0,9	*0,4*	1,2	*0,5*	1,0	*0,5*	0,8	*0,3*	0,8	*0,2*	**1,4**	***0,4***	**1,1**	***0,4***	1,4	*0,4*	1,3	*0,3*
Cluster weight (g)	2019	99	*24*	104	*17*	283	*46*	310	*69*	227	*38*	226	*56*																
	2020	163	*44*	139	*34*	219	*28*	208	*32*	227	*43*	238	*27*	226	*28*	202	*44*	**177**	***34***	**134**	***40***	303	*87*	285	*65*	189	*28*	171	*30*
	2021	**92**	***22***	**56**	***27***	238	*55*	169	*41*	**169**	***60***	**73**	***29***	**184**	***34***	**150**	***30***	**125**	***27***	**74**	***32***	**204**	***69***	**80**	***21***	**118**	***30***	**68**	***19***
	2022	158	*38*	143	*35*	243	*66*	215	*57*	235	*49*	250	*44*	191	*40*	184	*41*	95	*18*	89	*35*	**153**	***83***	**244**	***119***	122	*31*	116	*25*
Yield (kg)	2019	1,9	*0,7*	2,2	*1,0*	**5,6**	***1,2***	**4,8**	***1,5***	3,1	*0,9*	3,2	*1,3*																
	2020	**4,8**	***1,4***	**4,0**	***1,7***	3,8	*0,7*	4,1	*1,2*	3,0	*0,8*	3,1	*0,8*	**2,6**	***0,8***	**1,8**	***0,5***	2,4	*0,6*	2,1	*0,9*	4,5	*1,5*	4,2	*1,6*	**4,2**	***1,0***	**3,1**	***1,4***
	2021	**2,1**	***0,8***	**1,1**	***0,7***	2,3	*0,6*	1,8	*0,5*	**1,1**	***0,6***	**0,4**	***0,2***	1,8	*0,7*	1,8	*0,6*	**1,5**	***0,5***	**0,3**	***0,2***	1,1	*0,6*	0,5	*0,2*	1,1	*0,5*	0,8	*0,4*
	2022	**3,1**	***1,6***	**2,0**	***1,1***	4,4	*1,6*	4,1	*1,3*	**3,7**	***1,7***	**2,8**	***1,2***	2,6	*1,2*	2,4	*1,1*	1,1	*0,5*	1,0	*0,6*	3,0	*1,4*	2,8	*1,5*	1,9	*0,6*	2,0	*0,7*

SUPPLEMENTARY DATA
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* Values in bold indicate statistical differences between I and NI treatments within genotype and year (Bonferroni adjustment, 0.05 significance level). In the 2022 season no irrigation was performed.

SUPPLEMENTARY TABLE S3. Means and standard deviations of shoot weight, pruning weight and number of shoots per plant, for 6 fungus disease-tolerant genotypes and Syrah, under irrigated (I) and non-irrigated (NI) treatments, from 2019 to 2022, Gruissan-France.

		Syrah				3176N				3159B				Artaban				Floreal				G14				G5			
		I		NI		I		NI		I		NI		I		NI		I		NI		I		NI		I		NI	
		Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*	Mean	*SD*
Shoot weight (g)	2019	47	*13*	48	*12*	51	*12*	57	*13*	73	*10*	68	*14*																
	2020	59	*16*	53	*12*	**54**	***17***	**38**	***11***	77	*21*	66	*12*	68	*20*	71	*24*	**59**	***12***	**42**	***19***	45	*14*	56	*13*	57	*20*	53	*18*
	2021	25	*9*	18	*6*	**30**	***8***	**18**	***4***	**63**	***13***	**30**	*9*	39	*12*	29	*8*	26	*7*	20	*6*	**22**	***5***	**10**	***4***	20	*8*	14	*3*
	2022	67	*29*	64	*17*	64	*18*	60	*14*	81	*21*	79	*22*	46	*13*	44	*11*	35	*7*	30	*12*	**37**	***16***	**53**	***20***	26	*8*	30	*10*
Pruning weight (kg)	2019	**0,8**	***0,2***	**0,7**	***0,1***	0,7	*0,1*	0,8	*0,2*	0,9	*0,2*	0,9	*0,2*																
	2020	**1,0**	***0,3***	**0,9**	***0,2***	0,9	*0,2*	0,7	*0,3*	**1,1**	***0,3***	**1,0**	***0,2***	0,5	*0,1*	0,5	*0,1*	**0,6**	***0,1***	**0,4**	***0,2***	0,5	*0,2*	0,6	*0,1*	0,5	*0,2*	0,5	*0,1*
	2021	**0,4**	***0,2***	**0,2**	***0,1***	**0,4**	***0,1***	**0,2**	***0,1***	**0,8**	***0,2***	**0,3**	***0,1***	0,4	*0,1*	0,3	*0,1*	**0,4**	***0,1***	**0,2**	***0,1***	**0,2**	***0,1***	**0,1**	***0,0***	0,2	*0,1*	0,2	*0,0*
	2022	**1,1**	***0,4***	**0,9**	***0,2***	**1,0**	***0,2***	**1,0**	***0,3***	**1,1**	***0,3***	**1,0**	***0,2***	0,5	*0,1*	0,5	*0,1*	**0,5**	***0,1***	**0,4**	***0,2***	0,5	*0,2*	0,6	*0,2*	0,3	*0,1*	0,4	*0,1*
Number of shoots	2019	**17**	***2,2***	**15**	***2,3***	13	*2,2*	13	*2,1*	13	*1,6*	13	*2,7*																
	2020	17	*3,3*	17	*3,6*	16	*3,6*	18	*3,9*	14	*2,8*	15	*1,8*	8	*1,4*	7	*1,9*	10	*1,6*	11	*1,6*	12	*1,6*	10	*2,0*	9	*1,0*	9	*1,7*
	2021	**17**	***3,6***	**13**	***3,2***	14	*2,2*	14	*1,8*	**12**	***1,4***	**10**	***1,3***	9	*1,6*	9	*2,4*	**14**	***1,6***	**10**	***2,6***	11	*1,2*	10	*2,2*	11	*2,4*	12	*2,7*
	2022	**17**	***4,1***	**15**	***4,6***	15	*2,9*	16	*3,4*	14	*1,9*	13	*2,9*	11	*1,6*	13	*2,3*	15	*1,3*	14	*3,3*	**14**	***2,3***	**11**	***2,1***	**11**	***1,9***	**13**	***2,5***

* Values in bold indicate statistical differences between I and NI treatments within genotype and year (Bonferroni adjustment, 0.05 significance level). In the 2022 season no irrigation was performed.

SUPPLEMENTARY DATA
Wilhelm de Almeida, L., Pellegrino, A., Fontez, B., Torregrosa, L., & Ojeda, H. (2023).
Short and long-term acclimation to water status at leaf and plant level of fungus-tolerant genotypes. *OENO One, 57*(2).
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SUPPLEMENTARY TABLE S4. Means and standard deviations of trunk starch, soluble sugars and total non-structural carbohydrates (TNC) in mg per g of dry weight, and relative difference (%) between NI and I treatments, at budburst, for 6 fungus disease-tolerant genotypes and Syrah under irrigated (I) and non-irrigated treatments (NI), 2021, Gruissan-France.

	Starch (mg g-1)								Soluble sugars (mg g-1)								TNC (mg g-1)							
	I		NI		Relative Diff. (%)	G	I	G:I	I		NI		Relative Diff. (%)	G	I	G:I	I		NI		Relative Diff. (%)	G	I	G:I
	Mean	*SD*	Mean	*SD*		*ns*	*ns*	*ns*	Mean	*SD*	Mean	*SD*		***	*ns*	***	Mean	*SD*	Mean	*SD*		*ns*	*ns*	*ns*
Syrah	133	*41*	153	*11*	15				11	*4*	19	*1*	79	*a*		*	144	*45*	172	*11*	20			
3176N	139	*14*	106	*10*	-24				30	*4*	41	*4*	41	*c*		*	169	*13*	148	*6*	-12			
3159B	164	*15*	155	*23*	-5				20	*2*	26	*6*	31	*b*		*	184	*15*	181	*18*	-1			
Artaban	145	*13*	133	*20*	-9				16	*2*	16	*2*	-2	*a*		*ns*	161	*14*	148	*20*	-8			
Floreal	151	*9*	148	*14*	-2				18	*1*	20	*2*	12	*ab*		*ns*	169	*10*	168	*13*	-1			
G14	147	*16*	153	*36*	4				21	*3*	17	*2*	-18	*ab*		*ns*	168	*13*	170	*34*	1			
G5	149	*14*	132	*27*	-11				39	*7*	28	*4*	-28	*c*		*	188	*8*	160	*23*	-15			

* No irrigation treatment was performed in 2022. 'Relative Diff (%)' indicates the difference between NI and I treatments (NI-I) / I * 100. 'G', 'I' and 'G:I' indicate the effect of genotype, irrigation and their interaction, respectively. '***', '**', '*' indicates 0.001, 0.01 and 0.05 significance levels and 'ns' indicates no significance. Different letters indicate statistical differences among genotypes (Bonferroni adjustment).