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Frateuria defendens reduces yellows disease symptoms in grapevine under field conditions

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Table S1

Detection of *Frd* in leaf samples of treated vs. control samples following field application by spraying in 2015. Leaf samples were tested for *Frd* presence either by PCR or by plating sprayed samples. Dpi-days post inoculation

Spray number	Dpi	Positive samples/number tested		
		PCR		Plating sprayed samples
		Sprayed	Control	
0			0/10	
1	15	0/31	0/10	
2	14	7/31	0/31	0/5
3	7	4/12	0/11	1/5
3	13	0/19	0/14	0/5
4	2	7/8	0/4	
4	8	21/24	0/19	2/6
5	7	20/27	2/19	1/6
5	13	4/28	0/19	1/6
6	6	11/25	1/19	0/6
7	14	0/24	0/18	1/6
7	7	7/26	0/19	3/6
7	14	2/27	1/19	4/14
8	1	1/14	1/14	3/14
8	5	2/12	0/14	1/14
8	7	0/12	1/14	0/14
8	11	0/14	0/14	0/13
9	2	5/14		0/14
9	8	0/14	1/12	1/14
9	11			
10	7	4/14	0/12	1/14
12	7		3/14	0/15
13	7		0/13	0/15
14	6	1/14	2/14	0/14
15	6	0/14	0/14	0/14
16	8	0/10	0/11	0/10
17	7	0/14	0/10	0/14
total		96/428	12/368	22/224
% positive samples		0.22	0.03	0.10

Table S2

Effect *Frd* application on yield parameters (mean ± standard error) of **asymptomatic** vines at harvest between treatments and years. Yield quantity is expressed as cluster number and weight, and yield quality is presented as berry size, must °Bx and pH. n - Number of tested vines for variables on the left. Different letters mean significant difference between treatments (higher case letters) or years (lower case letters)

Main effect	Variable	Yield quantity			Yield quality				
		No. of clusters	Cluster weight (g)	n	Berry weight (g)	n	°Brix	pH	n
Treatment	Control	42.5 ± 2.1 A	131.6 ± 4.6 A	65	1.5 ± 0.0 A	22	20.0 ± 0.3 B	3.3 ± 0.1 A	22
	+*Frd*	41.4 ± 1.5 A	137.6 ± 4.2 A	90	1.4 ± 0.0 A	27	20.8 ± 0.3 A	4.2 ± 1.0 A	27
Year	2015	44.6 ± 2.3 a	134.7 ± 4.2 a	59	1.5 ± 0.1 a	24	20.8 ± 0.3 a	3.5 ± 0.0 a	24
	2016	39.3 ± 1.5 b	134.1 ± 4.2 a	96	1.4 ± 0.1 a	25	19.9 ± 0.2 b	3.95 ± 1.1 a	25

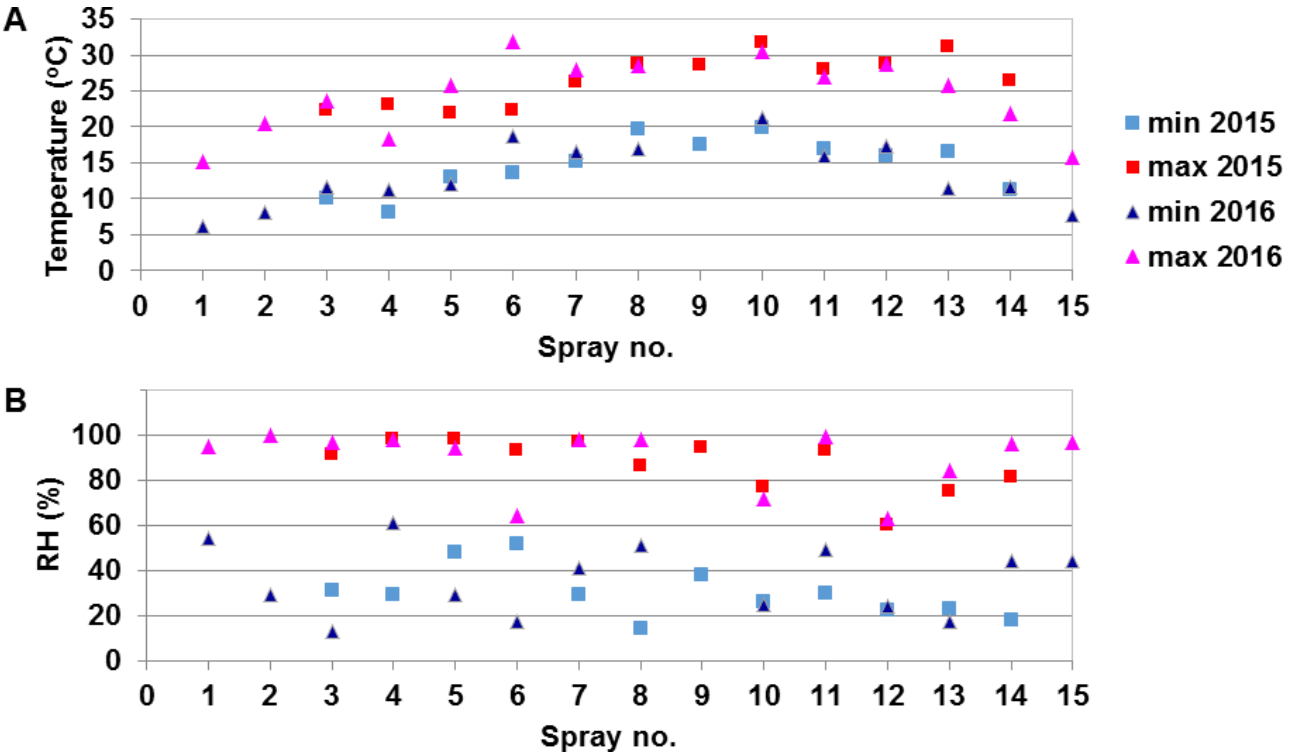

Fig. S1: Climate conditions during the 2-year experiment. **A**, Maximum and minimum temperature during the day of each spraying. **B**, Maximum and minimum relative humidity (RH) during the day of each spraying.

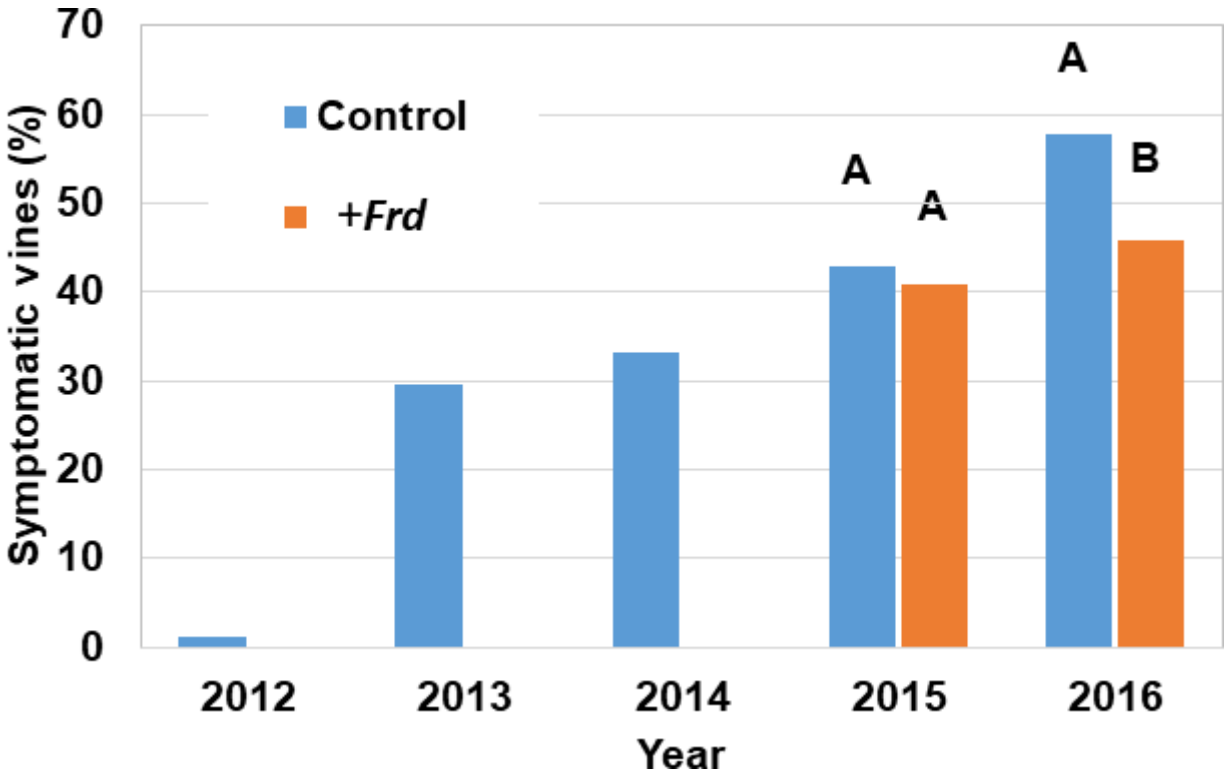

Fig. S2: Yearly rate of symptomatic vines in the experimental plot, and the effect of *Frd* application on the rate of symptomatic vines during the experiment (2015, 2016). Each vine in the plot was monitored for yellows symptoms at harvest. Different letters indicate significant differences between treatments (For 2016 - Pearson chi-square test, $p = 0.0114$).