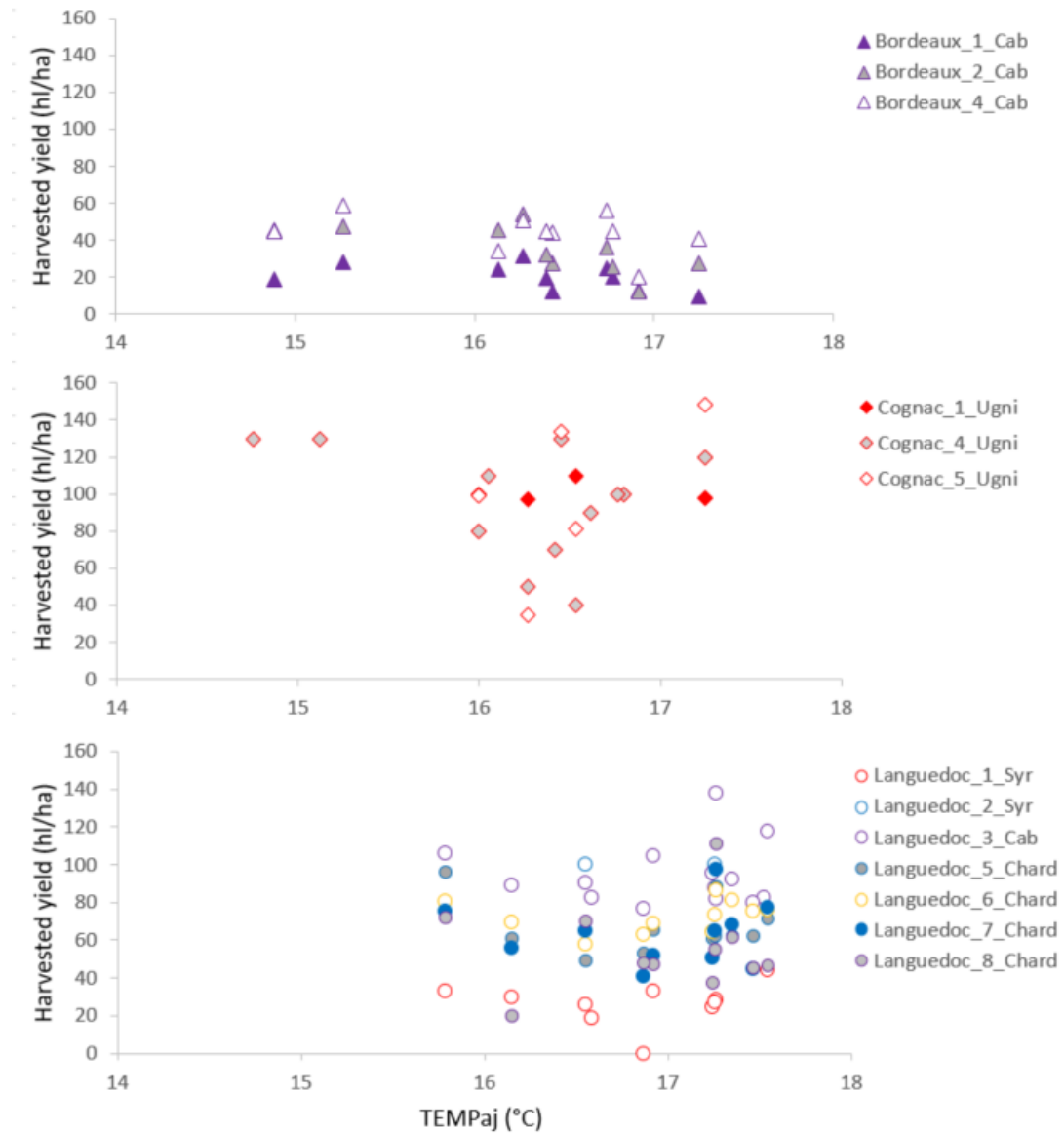


SUPPLEMENTARY DATA

Merot, A., Coulouma, G., Smit, N., Robelot, E., Gary, C., Guerin Dubrana, L., Poulmarch, J., Burgun, X., Pellegrino, A. & Fermaud, M. (2022). A systemic approach to grapevine decline diagnosed using three key indicators: plant mortality, yield loss and vigour decrease. *OENO One*, 5(1). <https://doi.org/10.20870/oeno-one.2023.57.1.5575>

## Supplementary Material

**SUPPLEMENTARY FIGURE S1.** Harvested yield as a function the mean temperature in spring (TEMPaj) over two successive years over the 2007–2020 period for the three regions (Bordeaux, Cognac and Languedoc).



**SUPPLEMENTARY DATA**

Merot, A., Coulouma, G., Smits, N., Robelot, E., Gary, C., Guerin Dubrana, L., Poulmarch, J., Burgun, X., Pellegrino, A. & Fermaud, M. (2022). A systemic approach to grapevine decline diagnosed using three key indicators: plant mortality, yield loss and vigour decrease. *OENO One*, 5(1). <https://doi.org/10.20870/oeno-one.2023.57.1.5575>

**SUPPLEMENTARY TABLE S1.** Rates of non-productive vines and productivity at subplot scale (only plots with available data are presented).

Plot	Absent or Dead (AD%)	Newly Planted (NP%)	Harvested Yield Per N-vine (kg)	YAR <sub>subplot</sub> (%)
	Mean(std)	Mean(std)	Mean(std)	Mean(std)
Languedoc_1_Syr	31(8)	0(1)	1.1(0.6)	72(7)
Languedoc_2_Syr	14(6)	1(2)	0.7(0.3)	86(6)
Languedoc_3_Cab	14(11.6)	0(0)	11(4.4)	92(9.6)
Languedoc_5_Chard	17(3)	1(1)	1.8(0.5)	80(3)
Languedoc_6_Chard	6(5)	2(2)	1.6(0.4)	86(9)
Languedoc_7_Chard	3(3)	3(1)	2.0(0.3)	79(24)
Languedoc_8_Chard	11(8)	0(0)	1.8(0.7)	83(13)
<b>Languedoc</b>	<b>14(11)</b>	<b>1(1)</b>	<b>1.8(1)</b>	<b>81(11)</b>
Cognac_1_Ugni	27(12)	0(0)	6.3(1.3)	55(15)
Cognac_2_Ugni	1(2)	29(13)	8.3(0.7)	80(15)
Cognac_4_Ugni	0(0)	0(0)	5.5(0.4)	81(5)
<b>Cognac</b>	<b>9(14)</b>	<b>10(16)</b>	<b>6.7(2)</b>	<b>72(17)</b>
Bordeaux_1_Cab	22(13)	13(9)	0.7(0.3)	35(15)
Bordeaux_2_Cab	6(2)	4(5)	0.7(0.4)	59(1)
Bordeaux_3_Cab	16(8)	7(3)	0.7(0.2)	55(6)
Bordeaux_4_Cab	10(5)	8(8)	1.1(0.2)	69(8)
<b>Bordeaux</b>	<b>13(9)</b>	<b>8(7)</b>	<b>0.7(0.3)</b>	<b>54(15)</b>