

**TABLE S1.** Vintage scores, vintage scores standardized to 10-point scale, mean consensus vintage scores and overall vintage ratings for Chablis wine from 1963 to 2018. BBR = Berry Bros. & Rudd wine merchants, DEC = Decanter magazine, WE = Wine Enthusiast, WS = The Wine Society, and WSG = Wine Scholar Guild. QUAL = vintage score inferred from qualitative vintage reports on the Bourgogne Wine Board (BIVB) Chablis website and from George (2007). Ratings are based on mean consensus score: Excellent (> 8), Good (6 – 8) and Poor (< 6). NA = not available

Vintage	Institution / Wine Expert Score						Institution / Wine Expert Score: 10-point scale						Mean	
	DEC	WE	WS	BBR	WSG	QUAL	DEC	WE	WS	BBR	WSG	QUAL	Score	Rating
1963	NA	NA	NA	NA	NA	4.5	NA	NA	NA	NA	NA	4.5	4.5	Poor
1964	NA	NA	NA	NA	NA	8.5	NA	NA	NA	NA	NA	8.5	8.5	Excellent
1965	NA	NA	NA	NA	NA	3.5	NA	NA	NA	NA	NA	3.5	3.5	Poor
1966	NA	NA	NA	NA	NA	8.75	NA	NA	NA	NA	NA	8.75	8.8	Excellent
1967	NA	NA	NA	NA	NA	7	NA	NA	NA	NA	NA	7	7.0	Good
1968	NA	NA	NA	NA	NA	3.25	NA	NA	NA	NA	NA	3.25	3.3	Poor
1969	NA	NA	NA	NA	NA	9.5	NA	NA	NA	NA	NA	9.5	9.5	Excellent
1970	NA	NA	NA	NA	NA	6.5	NA	NA	NA	NA	NA	6.5	6.5	Good
1971	NA	NA	NA	NA	NA	8.5	NA	NA	NA	NA	NA	8.5	8.5	Excellent
1972	NA	NA	NA	NA	NA	3	NA	NA	NA	NA	NA	3	3.0	Poor
1973	NA	NA	NA	NA	NA	7	NA	NA	NA	NA	NA	7	7.0	Good
1974	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA	5	5.0	Poor
1975	NA	NA	NA	NA	NA	8.5	NA	NA	NA	NA	NA	8.5	8.5	Excellent
1976	NA	NA	NA	NA	NA	7.5	NA	NA	NA	NA	NA	7.5	7.5	Good
1977	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA	5	5.0	Poor
1978	NA	NA	NA	7	NA	9	NA	NA	NA	7	NA	9	8.0	Good
1979	NA	NA	NA	6	NA	7.5	NA	NA	NA	6	NA	7.5	6.8	Good
1980	NA	NA	3	6	NA	-	NA	NA	3	6	NA	-	4.5	Poor
1981	NA	NA	7	8	NA	-	NA	NA	7	8	NA	-	7.5	Good
1982	NA	NA	6	6	NA	-	NA	NA	6	6	NA	-	6.0	Good
1983	NA	NA	7	7	NA	-	NA	NA	7	7	NA	-	7.0	Good
1984	NA	NA	5	4	NA	-	NA	NA	5	4	NA	-	4.5	Poor
1985	NA	NA	9	7	NA	-	NA	NA	9	7	NA	-	8.0	Good
1986	NA	NA	6	7	NA	-	NA	NA	6	7	NA	-	6.5	Good

SUPPLEMENTARY DATA

Biss, A., & Ellis, R. (2021). Modelling Chablis vintage quality in response to inter-annual variation in weather. *OENO One*, 55(3)  
<https://doi.org/10.20870/oeno-one.2021.55.3.4709>

1987	NA	NA	6	5	NA	-	NA	NA	6	5	NA	-	5.5	Poor
1988	NA	NA	8	7	NA	-	NA	NA	8	7	NA	-	7.5	Good
1989	NA	NA	9	8	NA	-	NA	NA	9	8	NA	-	8.5	Excellent
1990	NA	NA	10	10	NA	-	NA	NA	10	10	NA	-	10.0	Excellent
1991	NA	NA	6	5	NA	-	NA	NA	6	5	NA	-	5.5	Poor
1992	NA	NA	7	8	NA	-	NA	NA	7	8	NA	-	7.5	Good
1993	NA	NA	8	6	NA	-	NA	NA	8	6	NA	-	7.0	Good
1994	NA	NA	6	6	NA	-	NA	NA	6	6	NA	-	6.0	Good
1995	NA	90	8	9	NA	-	NA	8	8	9	NA	-	8.3	Excellent
1996	NA	93	9	9	NA	-	NA	8.6	9	9	NA	-	8.9	Excellent
1997	NA	89	7	8	NA	-	NA	7.8	7	8	NA	-	7.6	Good
1998	NA	89	7	7	NA	-	NA	7.8	7	7	NA	-	7.3	Good
1999	NA	87	7	7	NA	-	NA	7.4	7	7	NA	-	7.1	Good
2000	NA	89	7	8	3	-	NA	7.8	7	8	6	-	7.2	Good
2001	NA	93	6	7	2.5	-	NA	8.6	6	7	5	-	6.7	Good
2002	NA	95	8	9	5	-	NA	9	8	9	10	-	9.0	Excellent
2003	NA	87	6	7	2	-	NA	7.4	6	7	4	-	6.1	Good
2004	NA	92	7	6	2.5	-	NA	8.4	7	6	5	-	6.6	Good
2005	4	95	9	9	5	-	8	9	9	9	10	-	9.0	Excellent
2006	3	91	7	7	3	-	6	8.2	7	7	6	-	6.8	Good
2007	4	91	8	8	2.5	-	8	8.2	8	8	5	-	7.4	Good
2008	4	91	7	8	4	-	8	8.2	7	8	8	-	7.8	Good
2009	3	95	6	7	4	-	6	9	6	7	8	-	7.2	Good
2010	5	96	8	10	5	-	10	9.2	8	10	10	-	9.4	Excellent
2011	3.5	94	7	7	2	-	7	8.8	7	7	4	-	6.8	Good
2012	4	95	8	9	4	-	8	9	8	9	8	-	8.4	Excellent
2013	4	90	7	7	3.5	-	8	8	7	7	7	-	7.4	Good
2014	4.5	95	9	10	5	-	9	9	9	10	10	-	9.4	Excellent
2015	4.5	94	7	7	3.5	-	9	8.8	7	7	7	-	7.8	Good
2016	NA	95	7	8	3.5	-	NA	9	7	8	7	-	7.8	Good
2017	NA	96	8	9	4	-	NA	9.2	8	9	8	-	8.6	Excellent
2018	NA	96	7	8	4	-	NA	9.2	7	8	8	-	8.1	Excellent

**TABLE S2.** Predicted Chablis wine vintage scores (with 5-95 % prediction intervals) from Equation 1, with environmental data shown, for the period 2041 to 2070 for climate projections using the 5th, 50th and 95th percentiles of RCP 2.5, 4.5 and 8.5 scenarios (Drias, 2021) for the closest grid square to Chablis (47°48'27" N, 3°46'42" E). Two values are shown for the Cool Night Index, where *CNI2* is an alternative to *CNI* in which the increase in value from 1976-2005 to 2041-2070 was reduced to only 40% of the projected *Tmean<sub>Apr-Sep</sub>* rise. For reference, information for the periods 1976-2005 and 2009-2018 is also presented (actual mean vintage scores were 7.1 and 8.1, respectively).

Year and Scenario	Weather Data				Chablis Vintage Model	
	<i>Tmean<sub>Apr-Sep</sub></i> (°C)	<i>CNI</i> (°C)	<i>CNI2</i> (°C)	<i>P<sub>Jun-Sep</sub></i> (mm)	Calculated Score	Calculated Score <i>CNI2</i>
1976–2005	15.8	9.4	n/a	233.6	7.7	n/a
2009–2018	16.8	9.8	n/a	236.0	7.8	n/a
Projections for 2041–2070						
RCP 2.6						
5th Percentile	16.1	10.4	9.58	193.5	7.8 (5.8 – 10.1)	8.2 (6.1 – 10.4)
Median	17.0	10.8	9.91	222.6	7.4 (5.3 – 9.6)	7.7 (5.7 – 10.0)
95th Percentile	17.6	11.2	10.17	270.1	6.1 (4.0 – 8.5)	6.6 (4.4 – 8.9)
RCP 4.5						
5th Percentile	16.5	10.1	9.70	175.0	8.2 (6.1 – 10.4)	8.3 (6.3 – 10.6)
Median	17.7	11.5	10.20	220.1	6.3 (4.1 – 8.6)	6.8 (4.6 – 9.1)
95th Percentile	18.7	12.2	10.61	283.4	3.1 (0.3 – 6.1)	3.8 (1.0 – 6.6)
RCP 8.5						
5th Percentile	17.1	11.2	9.96	156.8	7.6 (5.5 – 9.9)	8.1 (6.0 – 10.3)
Median	18.2	12.0	10.41	210.7	5.1 (2.7 – 7.6)	5.7 (3.4 – 8.2)
95th Percentile	19.2	13.1	10.80	281.3	1.1 (-2.2 – 4.5)	2.1 (-1.1 – 5.4)