

Cabernet-sauvignon N







Name of vine variety in France

Cabernet-Sauvignon

Origin

This vine variety is originally from the Bordeaux region. Based on published genetic studies, this variety comes from the crossbreeding of Cabernet franc N and Sauvignon B

Synonymy

There is no officially recognized synonym in France nor in other countries in the European Union.

Regulations

In France, Cabernet-Sauvignon N is officially listed in the "Catalogue of vine varieties". This variety is likewise listed in the Catalogues of other European Union member states: Germany, Austria, Bulgaria, Cyprus, Spain, Greece, Italy, Hungary, Malta, Portugal, Czech Republic, Romania, Slovakia, Slovenia

<u>Use</u>

Wine vine variety

Evolution of area under vines in France

	1958	1968	1979	1988	1998	2008	2016
ha	7841	11882	22992	36468	49393	60385	48439

Description

Identification signs include:

- young leaves are red with bronze patches,
- adult leaves are orbicular with 7 to 9 lobes, with a petiolar sinus that has slightly overlapping lobes and a base sometimes limited by a vein near the petiolar point, a flat base lateral sinus or U-shaped, medium to large length teeth with convex sides, a bubbled leaf blade and the underside has a sparse coat of flat-lying hairs,
- round-shaped berries.

Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32	
Allel 1	137	229	239	172	188	248	238	233	239	
Allel 2	149	238	239	186	194	248	248	235	239	

Phenology

Bud burst: 13 days after Chasselas.

Grape maturity: period II, 3 to 3 and 1/2 weeks after Chasselas.

Suitability for cultivation and agronomic production

Cabernet-Sauvignon N has a late bud burst, is vigorous with large-diameter vine shoots under fertile conditions with very long branches (elongated internodes) and lignified tendrils. It requires careful training and pruning, which can be long or short in southern areas, and is relatively slow. Large pruning wounds should be avoided. Removing wood, which is hard, likewise requires considerable time consuming work. Cabernet-Sauvignon N oftentimes produces better results on gravely and draining ground, rather acid and well-exposed. This variety sometimes suffers from black stem and this risk is increased by using certain rootstock such as S04.

Sensitivity to diseases and pests

Cabernet-Sauvignon N is less susceptible to grey rot. On the other hand, it is very suceptible to wood disease (eutypiosis, esca) and powdery mildew.

Technological potential

The grape clusters and berries are small. Cabernet-Sauvignon N makes wines with very interesting tannic structure with a sustained color when it has reached maturity. These wines are generally suitable for ageing and maturing in wood. This vine variety passes from vegetal aromas to much more pleasant and complex aromas once the wine has reached a proper maturity. On the other hand, when vinified alone as a single variety, Cabernet-Sauvignon N oftentimes lacks body and roundness.

Clonal selection in France

The twenty approved Cabernet-Sauvignon N clones carry the numbers 15, 169, 170, 191, 216, 217, 218, 219, 267, 269, 337, 338, 339, 341, 410, 411, 412, 685, 1124 and 1125. A collection-conservatory planted in the Bordeaux vineyards includes more than 250 clones derived from surveys carried out between 1966 and 1988.

Bibliographic references

- Catalogue des variétés et clones de vigne cultivés en France. Collectif, 2007, Ed. IFV, Le Grau-du-Roi.
- Documentation interne du Domaine de Vassal. 1949-2011, INRA, Marseillan-plage.
- Cépages et vignobles de France, tome 2. P. Galet, 1990, Ed. Dehan, Montpellier.
- Ampélographie. P. Viala et V. Vermorel, 1902-1910, Ed. Masson, Paris.

Description of clones approved in France

		Identity and availability		Agronomic data		Technical data		
Clone number	Origin	Selection	Fertility	Production level	Sugar content	Potential color		
	Year approved	Agronomic references	Weight of grape bunches	Vigor	Total acidity	Tannic structure		
		Growing surface area		Size of berries	Sensitivity to Botrytis	Aromatic intensity	Oenological aptitudes	
		Gironde	ENTAV	high	high	medium	medium	
	15	1971	Bordelais Languedoc Provence, Sud-Ouest	medium to high	medium	medium	medium	
		39.07 ha		medium to high			balanced and structured wines	
ENTAY INRA Clone appreciated in the south of France; good compromise between production level and harvest quality provided that the yield is managed and sufficient maturity ensured								
	169	Gironde	ENTAV	low to medium	medium	high	medium to high	
		1972	Bordelais Languedoc Sud-Ouest	low to medium		medium	medium to high	

	Identity and	availability	Agronom	ic data	Technical data	
	Origin	Selection	Fertility	Production level	Sugar content	Potential color
Clone number	Year approved	Agronomic references	Weight of grape bunches	Vigor	Total acidity	Tannic structure
	Growing surface area		Size of berries	Sensitivity to Botrytis	Aromatic intensity	Oenological aptitudes
46.38 ha		low to medium			balanced and well- structured wines with round tannins	
ENTAV 👚 INRA	Clone appreciated for its a	agronomic characteristics a	nd its capacity for producing	g wines with good ageing p	otential.	
	Val-de-Loire	ENTAV	medium	medium	medium	medium
170	1972	Bordelais Languedoc, Provence Val-de-Loire	medium		medium	medium
	5.39 ha		medium			balanced and distinctive of the vine variety wines
FNTAV : INRA	Clone typical of the vine v	ariety				of the vine variety willes
	Gironde	INRA	low to medium	low	high	high
191	1973	Bordelais, Sud-Ouest Languedoc, Provence Val-de-Loire	low	medium	medium	high
	14.04 ha	val-de-Loile	low to medium			colorful and well
		rus2. Increasingly bronze b and its capacity for produci		Pick of blocking ripening if	water etrace is too great. Cl	structured
ENTAV INRA	agronomic characteristics	and its capacity for produci	ing wines with good ageing	potential	vater stress is too great. Or	one appreciated for its
	Val-de-Loire	ENTAV	high	high	low to medium	
216	1973	Languedoc, Provence Val-de-Loire	medium		medium	
	0.30 ha					distinctive wines of the vine variety
ENTAV 👚 INRA						
	Val-de-Loire	ENTAV	medium	high	medium	
217	1973	Languedoc, Provence Val-de-Loire	medium		medium	
	1.16 ha					distinctive wines of the vine variety
ENTAV 🛊 INRA	0					,
	Gironde	ENTAV	medium to high	medium to high	medium	
218	1973	Bordelais	medium	, and the second		
						distinctive wines of the vine variety
ENTAV 👚 INRA	©					
	Val-de-Loire	ENTAV	medium	medium	low to medium	
219	1973	Languedoc Val-de-Loire	medium		medium	
2.0	0.42 ha					distinctive wines of the
ENTAV 👚 INRA						vine variety
LIVIAV		ENTAV	modium to high	hiah	low to madium	
267	Gironde 1973	Val-de-Loire	medium to high medium to high	high	low to medium low to medium	
267						distinctive wines of the
ENTAV 👚 INRA	•					vine variety
	Gironde	ENTAV	high	high	medium	
269	1973	Val-de-Loire	medium	g.,	medium	
						distinctive wines of the vine variety
ENTAV 👚 INRA	0					
	Gironde	INRA	medium	medium	medium to high	medium to high
337	1975	Bordelais	medium		medium	medium to high
ENTAV : INRA	28.39 ha Clone carrier of leaf roll vi ageing potential	rus2. Slightly shorter plant o	medium cycle. Clone appreciated fo	r its agronomic characterist	ics and its capacity for prod	rich and structured wines ducing wines with good
	Gironde	INRA	medium	medium	medium	medium to high
338	1975	Bordelais	medium to high		medium	medium to high
338	9.68 ha	Languedoc	medium			balanced and distinctive
ENITAL / A IN ID A			ouidin			of the vine variety wines
ENTAV 👚 INRA		1			1.	
339	Gironde	INRA Bordelais	high	high	low to medium	
	1975	Languedoc, Provence	medium to high		medium	

	Identity and availability		Agronomic data		Technical data		
	Origin	Selection	Fertility	Production level	Sugar content	Potential color	
Clone number	Year approved	Agronomic references	Weight of grape bunches	Vigor	Total acidity	Tannic structure	
	Growing surface area		Size of berries	Sensitivity to Botrytis	Aromatic intensity	Oenological aptitudes	
.75 ha					distinctive wines of the vine variety		
NTAV 🌟 INRA	Clone carrier of leaf roll v	irus2. More vigorous appea	rance, dark green leave	s			
	Gironde	INRA	low to medium	medium	high	medium to high	
0.44	1975	Bordelais	low	modium	medium	medium to high	
341	8.25 ha		medium			balanced and structure wines	
NTAV 🎥 INRA	Clone carrier of leaf roll v	irus 2. Clone appreciated fo	or its agronomic characte	eristics and its capacity for pro	ducing wines with good ag	eing potentiel	
	Gironde	ENTAV	medium	medium	medium		
440	1976	Bordelais	medium		medium		
410						distinctive wines of the vine variety	
NTAV 🎥 INRA	©						
	Gironde	ENTAV	medium	medium	medium		
411	1976	Bordelais	medium		medium		
						distinctive wines of the vine variety	
NTAV 🌟 INRA	◎						
	Gironde	ENTAV	low to medium	low	high	medium to high	
412	1976	Bordelais Languedoc, Provence	low to medium		medium	medium to high	
	0.59 ha		low to medium			balanced and structure wines	
NTAV 🎥 INRA	Clone appreciated for its	agronomic characteristics a	and its capacity for produ	cing wines with good ageing p	ootential		
	Pyrénées-Atlantiques	ENTAV	high	high	medium	medium	
	1980	Bordelais	high		medium	medium	
685	19.68 ha	Provence, Sud-Ouest	medium		mediam	characteristic wines of	
NITAN (A NIN IN IDA						the vine variety	
VIAV # INRA	More productive and mor	e vigorous clone, slightly la	ter maturity				
	Gironde	CA 33 - IFV	medium	medium	medium to high	high	
1124	2009	Bordelais	medium	medium to high	medium	high	
			medium to high	medium		colourful and well structured wines	
NTAV 🎥 INRA	Clone derived from clone	191 disinfected by apex mi	crografting. Free of leaf	roll virus 2			
	Clone appreciated for its	agronomic characteristics a	and its capacity for produ	cing wines with good ageing p	ootential		
	Greater vigor than clone	191					
	Gironde	CA 33 - IFV	medium	medium	medium to high	high	
	2009	Bordelais	medium	medium	medium	medium to high	
1125			medium	medium		wines appreciated for their organoleptic qualit particularly with regard balance, color and structure	
NTAV 👚 INRA	Clone belonging to anoth	er clone 337 sanitary family	. Free of leafroll virus 2				
11171				icing wines with good ageing p	atontial		



EY No sa

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Slightly earlier maturity







