



## Cabernet franc N



### Name of the variety in France

Cabernet franc

### Origin

Cabernet franc is probably originally from the south west of France.

### Synonyms

There is no officially recognized synonym in France nor in the other countries of the European Union, for this variety.

### Legal information

In France, Cabernet franc is officially listed in the "Catalogue of vine varieties" on the A list and classified. This variety is also listed in the catalogues of other Member States of the European Union: Austria, Bulgaria, Cyprus, Czech Republic, Germany, Greece, Hungary, Italy, Malta, Netherlands, Portugal, Slovenia and Spain.

### Use

Wine grape variety.

### Evolution of cultivated areas in France

	1958	1968	1979	1988	1998	2008	2018
ha	9743	17864	22606	30256	35163	38691	32676

### Descriptive elements

The identification is based on:

- the greenish-red young leaves with bronze spots,
- the pentagonal adult leaves, with three or five lobes, lateral sinuses with often a tooth inside, a petiole sinus with slightly overlapping lobes, medium teeth with straight sides, a hammered, shiny leaf blade, and on the lower side of the leaves, a low density of prostate hairs,
- the round-shaped berries

### Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	137	223	239	178	194	248	238	227	239
Allel 2	145	238	262	186	204	260	254	235	257

## Phenology

Bud burst: 5 days after Chasselas.

Grape maturity: mid-season, 2 weeks and a half to 3 weeks after Chasselas.

## Suitability for cultivation and agronomic production

This fairly vigorous variety must be trained with moderately long pruning or short pruning in more favorable climatic zones. In terms of terroir, best results are generally achieved on clay-limestone soils, but good results may also be achieved with sandy soils in the absence of water stress.

## Susceptibility to diseases and pests

Cabernet franc is moderately resistant to grey rot and is moderately sensitive to eutypa dieback and esca. It is susceptible to vine leafhoppers.

## Technological potentiality

The bunches are medium in size and the berries are small. This variety is used to produce quality aromatic wines with average ageing potential. However, the 'sugar', 'acid' and 'polyphenol' (coloring intensity and tannic structure) potentials are moderate.

## Clonal selection in France

The thirty-one certified Cabernet franc clones carry the numbers 210, 211, 212, 213, 214, 215, 326, 327, 332, 393, 394, 395, 396, 407, 408, 409, 542, 543, 544, 545, 622, 623, 678, 1155, 1156, 1158, 1166, 1167, 1203, 1204 and 1311. A conservatory of 100 clones was planted in 2001, in the wine-growing region of Anjou. Another conservatory of more than 100 clones was planted in the Bordeaux wine-growing region in 2003 and 2004 ; it is based on surveys conducted in Gironde and in the Pyrénées foothills.

## Bibliographic references

- Catalogue des variétés et clones de vigne cultivés en France. Collectif, 2007, Ed. IFV, Le Grau-du-Roi, France.
- Documentary collections of the Centre de Ressources Biologiques de la Vigne de Vassal-Montpellier, INRAE - Montpellier SupAgro, Marseillan, France.
- Dictionnaire encyclopédique des cépages et de leurs synonymes. P. Galet, 2015, Ed. Libre&Solidaire, France.
- Traité général de viticulture, Ampélographie. P. Viala and V. Vermorel, 1901-1909, Ed. Masson, Paris, France.

## Description of clones certified in France

Clone no.	Identity and availability		Agronomic data		Technological data	
	Origin	Selection	Fertility	Production level	Sugar level	Color potential
	Year of certification	Agronomic references	Bunch weight	Vigor	Titration acidity	Tannic structure
	Surface area used for propagation (year)		Berry size	Susceptibility to grey rot	Aromatic intensity	Oenological suitability
210	Maine-et-Loire	ENTAV	medium to high	medium to high	medium	low
	1973	Loire-Valley Bordelais Sud-Ouest	medium to high		medium	low
	1.06 ha		medium to high	medium to high		supple and fruity wines
211	Maine-et-Loire	ENTAV	medium to high	medium to high	medium	medium
	1973	Loire-Valley Sudoeste	medium		medium	low
	0.30 ha		high			representative wines of the variety
212	Maine-et-Loire	ENTAV	medium	medium	medium	medium
	1973	Loire-Valley Sudoeste	medium		medium	medium

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Clone no.	Identity and availability		Agronomic data		Technological data	
	<i>Origin</i>	<i>Selection</i>	<i>Fertility</i>	<i>Production level</i>	<i>Sugar level</i>	<i>Color potential</i>
	<i>Year of certification</i>	<i>Agronomic references</i>	<i>Bunch weight</i>	<i>Vigor</i>	<i>Titration acidity</i>	<i>Tannic structure</i>
	<i>Surface area used for propagation (year)</i>		<i>Berry size</i>	<i>Susceptibility to grey rot</i>	<i>Aromatic intensity</i>	<i>Oenological suitability</i>
0.15 ha		medium			balanced and fruity wines	

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213	Val-de-Loire	ENTAV	medium to high	high	medium	
	1973	Loire-Valley	high			
	0.16 ha					representative wines of the variety

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214	Maine-et-Loire	ENTAV	low to medium	low	high	high
	1973	Loire-Valley Bordelais Sud-Ouest	low to medium		medium	medium to high
	14.51 ha		low			aromatic, fine and structured wines

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215	Maine-et-Loire	ENTAV	medium	medium	medium	
	1973	Loire-Valley	medium to high			
	2.02 ha		low			representative wines of the variety

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326	Gironde	INRA	low	low to medium	high	medium to high
	1975	Bordelais	medium	medium	medium	medium to high
	4.15 ha		medium			rich and structured wines

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327	Gironde	INRA	low	low to medium	high	medium to high
	1975	Loire-Valley Bordelais Sud-Ouest	medium	high	medium to high	medium to high
	11.25 ha		low			rich and structured wines

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332	Pyrénées-Atlantiques	INRA	medium to high	high	low to medium	low
	1975	Bordelais Val-de-Loire	medium to high		medium	low to medium
	1.69 ha		high			slightly light wines

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393	Pyrénées-Atlantiques	ENTAV	medium to high	medium	medium to high	medium
	1975	Bordelais Sud-Ouest	medium		medium	high
	0.61 ha		low to medium			balanced wines, representative of the variety

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394	Pyrénées-Atlantiques	ENTAV	low to medium	low to medium	medium to high	medium to high
	1975	Sud-Ouest	medium		medium	medium to high
	0.11 ha		medium			structured and colored wines

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395	Pyrénées-Atlantiques	ENTAV	low	low	medium to high	high
	1975	Sud-Ouest	low to medium	high	medium	medium
	0.25 ha		medium to high			structured and colored wines

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396	Pyrénées-Atlantiques	ENTAV	medium to high	medium	medium to high	medium to high
	1975	Sud-Ouest	medium		medium	medium to high
	1.10 ha		low to medium			balanced wines, representative of the variety






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407	Gironde	ENTAV				
	1976					

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Clone not widely distributed.

Clone no.	Identity and availability		Agronomic data		Technological data	
	<i>Origin</i>	<i>Selection</i>	<i>Fertility</i>	<i>Production level</i>	<i>Sugar level</i>	<i>Color potential</i>
	<i>Year of certification</i>	<i>Agronomic references</i>	<i>Bunch weight</i>	<i>Vigor</i>	<i>Titration acidity</i>	<i>Tannic structure</i>
	<i>Surface area used for propagation (year)</i>		<i>Berry size</i>	<i>Susceptibility to grey rot</i>	<i>Aromatic intensity</i>	<i>Oenological suitability</i>
408	Maine-et-Loire	ENTAV				
	1976					
ENTAV  INRA®						
Clone not widely distributed.						
409	Landes	ENTAV	medium to high	medium	medium	low to medium
	1976	Sud-Ouest	medium		medium	medium
	1.13 ha		medium			colored and balanced wines
ENTAV  INRA®						
542	Landes	ENTAV	high	high	medium	
	1978	Domaine de l'Espiguette Languedoc	medium		medium	
			medium to high			
ENTAV  INRA®						
543	Landes	ENTAV	medium	medium	medium	
	1978	Domaine de l'Espiguette Languedoc	medium		medium	
			medium			
ENTAV  INRA®						
544	Landes	ENTAV	medium	medium	medium	
	1978	Domaine de l'Espiguette Languedoc	medium		medium	
			medium			
ENTAV  INRA®						
545	Landes	ENTAV	medium	medium to high	medium	
	1978	Domaine de l'Espiguette Languedoc	medium to high		medium	
			medium			
ENTAV  INRA®						
622	Pyrénées-Atlantiques	ENTAV	medium	high	low to medium	medium
	1978	Sud-Ouest	high		medium	medium
	0.52 ha		medium			representative wines of the variety
ENTAV  INRA®						
623	Gironde	ENTAV	medium	medium	medium to high	
	1979	Loire-Valley	medium		medium	
	4.87 ha		medium			fruity, supple and well-balanced wines
ENTAV  INRA®						
678	Landes	ENTAV	medium	medium	medium to high	
	1979	Sud-Ouest	medium		medium	
	0.55 ha		medium			representative wines of the variety
ENTAV  INRA®						
1155	Val-de-Loire	INRA - IFV	inférieure à moyenne	inférieur	supérieure	supérieur
	2018	Maine-et-Loire	inférieur		moyenne	
					supérieure	vins fins, colorés, ronds et bien équilibrés
ENTAV  INRA®						
1156	Gironde	CA33 - IFV	low	low	high	high
	2012	Bordelais	low		medium	medium to high
			low			wines appreciated for their aromatic intensity and tannic structure
ENTAV  INRA®						
1158	Gironde	CA33 - IFV	low	low	high	high
	2015	Bordelais	low		medium	medium to high
			low		medium to high	wines appreciated for their aromatic intensity and tannic structure
ENTAV  INRA®						

Clone no.	Identity and availability		Agronomic data		Technological data	
	<i>Origin</i>	<i>Selection</i>	<i>Fertility</i>	<i>Production level</i>	<i>Sugar level</i>	<i>Color potential</i>
	<i>Year of certification</i>	<i>Agronomic references</i>	<i>Bunch weight</i>	<i>Vigor</i>	<i>Titrable acidity</i>	<i>Tannic structure</i>
	<i>Surface area used for propagation (year)</i>		<i>Berry size</i>	<i>Susceptibility to grey rot</i>	<i>Aromatic intensity</i>	<i>Oenological suitability</i>
1166	Gironde	INRA - CA33 - IFV	low	low	high	high
	2011	Bordelais	low		low to medium	medium to high
			low			colored and structured wines
ENTAV  INRA®						
1167	Gironde	INRA - CA33 - IFV	low	low	high	high
	2011	Bordelais	low to medium		medium to high	medium to high
			low			colored and structured wines
ENTAV  INRA®						
1203	Maine-et-Loire	INRA - IFV	low to medium	medium	medium to high	high
	2014	Loire-Valley	low		medium	
					high	colored, round and well-balanced wines
ENTAV  INRA®						
1204	Maine-et-Loire	INRA - IFV	low to medium	low	high	high
	2014	Loire-Valley	low		medium	
					high	fine, colored, round and well-balanced wines
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1311	Gironde	Pépinières Mercier - IFV				
	2019					
ENTAV  INRA®						



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