



Cabernet franc N



Name of vine variety in France

Cabernet franc

Origin

Cabernet franc N is probably originally from the South west of France.

Synonymy

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

Regulations

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

Use

Wine grape variety

Evolution of area under vines in France

	1958	1968	1979	1988	1998	2008	2016
ha	9743	17864	22606	30256	35163	38691	33171

Description

Identification signs include:

- young leaves are greenish-red with bronze patches,
- adult pentagonal leaves, three or five-lobed, a petiolar sinus with slightly overlapping lobes, lateral sinuses frequently with a base tooth, straight sided medium teeth, hammered leaf blade, shiny and on the underside sparsely covered with flat-lying hairs,
- 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: period II, 2 and 1/2 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.

Sensitivity to diseases and pests

Cabernet franc N is somewhat resistant to grey rot and is moderately resistant to eutypiosis and esca. It is susceptible to grape leaf hoppers.

Technological potential

The grape clusters are moderate size and the berries are small. This vine variety is used to produce quality aromatic wine with average ageing potential. However, the "sugar", "acid" and "polyphenol" potential is moderate.




Clonal selection in France

The thirty one Cabernet franc N clones carry the numbers 210, 211, 212, 213, 214, 215, 312, 326, 327, 331, 332, 393, 394, 395, 396, 407, 408, 409, 542, 543, 544, 545, 622, 623, 678, 1156, 1158, 1166, 1167, 1203 and 1204. A conservatory of close to 80 clones has been set up in a vineyard in Anjou in 2001. Another conservatory of more than 100 clones has been set up in the Bordeaux vineyards in 2003 and 2004. This is based on surveys conducted in Gironde and the Pyrenées foothills.

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

Clone number	Identity and availability		Agronomic data		Technical data	
	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
210	Maine-et-Loire	ENTAV	medium to high	medium to high	medium	low
	1973	Val-de-Loire, Bordelais, Sud-Ouest	medium to high		medium	low
	1.06 ha		medium to high	medium to high		supple and fruity wines
ENTAV  Production level needs to be managed						
211	Maine-et-Loire	ENTAV	medium to high	medium to high	medium	medium
	1973	Val-de-Loire, Sud-Ouest	medium		medium	low
	0.30 ha		high			distinctive wines of the vine variety
ENTAV 						
212	Maine-et-Loire	ENTAV	medium	medium	medium	medium
	1973	Val-de-Loire, Sud-Ouest	medium		medium	medium
	0.15 ha		medium			balanced and fruity wines
ENTAV 						
213	Val-de-Loire	ENTAV	medium to high	high	medium	
	1973	Val-de-Loire	high			

Clone number	Identity and availability		Agronomic data		Technical data	
	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
0.16 ha					distinctive wines of the vine variety	

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

ENTAV  INRA[®] Clone appreciated for its agronomic characteristics and its capacity for producing wines with good ageing potential


215	Maine-et-Loire	ENTAV	medium	medium	medium	
	1973	Val-de-Loire	medium to high			
	2.02 ha		low			distinctive wines of the vine variety

ENTAV  INRA[®]


312	Pyrénées-Atlantiques	INRA	medium to high	medium to high	medium to high	low to medium
	1973	Val-de-Loire, Bordelais, Sud-Ouest	medium	medium	medium to high	low to medium
	8.23 ha		high			distinctive wines of the vine variety

ENTAV  INRA[®] Clone carrier of leaf roll virus 2. Slightly later grape maturity


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

ENTAV  INRA[®] Clone carrier of leaf roll virus 2. Appreciated for its agronomic characteristics and the quality of wine produced provided that the yield is moderate.

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

ENTAV  INRA[®] Slightly later phenological stages. Clone appreciated for its agronomic characteristics and its capacity for producing wines with good ageing potential provided that the yield is moderate.

331	Pyrénées-Atlantiques	INRA	medium to high	high	medium	low to medium
	1975	Val-de-Loire, Bordelais, Sud-Ouest	medium to high		medium	low to medium
	7.75 ha		medium to high			distinctive wines of the vine variety

ENTAV  INRA[®] Clone carrier of leaf roll virus 2.


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			sometimes 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 and distinctive of the vine variety wines

ENTAV  INRA[®]

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

ENTAV  INRA[®] Clone appreciated for its agronomic characteristics and quality of wines produced

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 colorful wines

ENTAV  INRA[®] Clone appreciated for its agronomic characteristics and quality of wines produced

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 and distinctive of the vine variety wines

ENTAV  INRA[®]

407	Gironde	ENTAV				
	1976					

Clone number	Identity and availability		Agronomic data		Technical data	
	<i>Origin</i>	<i>Selection</i>	<i>Fertility</i>	<i>Production level</i>	<i>Sugar content</i>	<i>Potential color</i>
	<i>Year approved</i>	<i>Agronomic references</i>	<i>Weight of grape bunches</i>	<i>Vigor</i>	<i>Total acidity</i>	<i>Tannic structure</i>
	<i>Growing surface area</i>		<i>Size of berries</i>	<i>Sensitivity to Botrytis</i>	<i>Aromatic intensity</i>	<i>Oenological aptitudes</i>

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Small distribution clone

408	Maine-et-Loire	ENTAV				
	1976					

ENTAV  INRA®

Small distribution clone

409	Landes	ENTAV	medium to high	medium	medium	low to medium
	1976	Sud-Ouest	medium		medium	medium
	1.13 ha		medium			Colorful and balanced wines

ENTAV  INRA®

Steady production clones

542	Landes	ENTAV	high	high	medium	
	1978	Languedoc, domaine de l'Espiguette	medium		medium	
			medium to high			

ENTAV  INRA®

543	Landes	ENTAV	medium	medium	medium	
	1978	Languedoc, domaine de l'Espiguette	medium		medium	
			medium			

ENTAV  INRA®

544	Landes	ENTAV	medium	medium	medium	
	1978	Languedoc, domaine de l'Espiguette	medium		medium	
			medium			

ENTAV  INRA®

545	Landes	ENTAV	medium	medium to high	medium	
	1978	Languedoc, domaine de l'Espiguette	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			distinctive wines of the vine variety

ENTAV  INRA®

623	Gironde	ENTAV	medium	medium	medium to high	
	1979	Val-de-Loire	medium		medium	
	4.87 ha		medium			fruity, supple and well-balanced wines

ENTAV  INRA®

Clone appreciated for its agronomic characteristics and quality of wines produced

678	Landes	ENTAV	medium	medium	medium to high	
	1979	Sud-Ouest	medium		medium	
	0.55 ha		medium			distinctive wines of the vine variety

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Slightly earlier maturity

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

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Lower production levels with less compact clusters. Clone appreciated for its ability to produce wines for aging.

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®

Lower production levels with less compact clusters. Clone appreciated for its ability to produce wines for aging.

1166	Gironde	INRA - CA33 - IFV	low	low	high	high
	2011	Bordelais	low		medium to high	medium to high

Clone number	Identity and availability		Agronomic data		Technical data	
	<i>Origin</i>	<i>Selection</i>	<i>Fertility</i>	<i>Production level</i>	<i>Sugar content</i>	<i>Potential color</i>
	<i>Year approved</i>	<i>Agronomic references</i>	<i>Weight of grape bunches</i>	<i>Vigor</i>	<i>Total acidity</i>	<i>Tannic structure</i>
	<i>Growing surface area</i>		<i>Size of berries</i>	<i>Sensitivity to Botrytis</i>	<i>Aromatic intensity</i>	<i>Oenological aptitudes</i>
		low			colorful and structured wines	
ENTAV  INRA  Lower production level with less compact grape clusters. Clone appreciated for producing wines with good ageing potential.						
1167	Gironde	INRA - CA33 - IFV	low	low	high	high
	2011	Bordelais	low to medium		medium to high	medium to high
			low			colorful and structured wines
ENTAV  INRA  Lower production level with less compact grape clusters. Clone appreciated for producing wines with good ageing potential.						
1203	Maine-et-Loire	INRA - IFV	low to medium	medium	medium to high	high
	2014	Val-de-Loire	low		medium	
					high	colored wines, round and well-balanced
ENTAV  INRA  Less productive clone. Qualitatively higher than 214						
1204	Maine-et-Loire	INRA - IFV	low to medium	low	high	high
	2014	Val-de-Loire	low		medium	
					high	colored wines, round and well-balanced
ENTAV  INRA  Somewhat earlier and less productive clone. Qualitatively higher than 214						



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