



Gamay N



Name of the variety in France

Gamay

Origin

This variety is originally from Bourgogne (Burgundy). Based on published genetic analyses, it would be the result of a crossbreeding between Pinot noir and Gouais blanc.

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, Aligoté 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: Belgium, Bulgaria, Cyprus, Italy, Luxembourg, Netherlands, Portugal, Slovenia and Spain.

Use

Wine grape variety.

Evolution of cultivated areas in France

	1958	1968	1979	1988	1998	2008	2018
ha	37806	36257	33869	33620	36653	35084	23650

Descriptive elements

The identification is based on:

- the tip of the young shoot with a low to medium density of prostate hairs,
- the yellow young leaves with bronze spots,
- the shoots with red internodes,
- the circular adult leaves, entire or with five lobes, with an open V-shaped petiole sinus, short teeth compared to their width at the base with straight sides, an involute leaf blade, and on the lower side of the leaves, a very low density of erect and prostate hairs,
- the short ellipsoid berries.

Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	131	232	239	178	194	244	238	216	239
Allel 2	135	236	249	186	204	246	238	245	271

Phenology

Bud burst: same as Chasselas.

Grape maturity: early-season, 1 week and a half after Chasselas.

Suitability for cultivation and agronomic production

Gamay is a low vigor variety, weak but fertile. Its production must be managed because it tends to become depleted (particularly in highly fertile soils in warm climates). It is sometimes sensitive to millerandage under adverse weather conditions at flowering time. It is an early variety, sensitive to heat. Gamay has a semi-erect to erect bearing and could be pruned short. Following a spring frost, the shoots from the secondary buds are relatively fruitful. It tends to produce a high number of grappillons.

Susceptibility to diseases and pests

Gamay is sensitive to grey rot, phomopsis, wood diseases, grape moths and grapevine yellows.

Technological potentiality

The bunches are small, rather compact and the berries are medium in size. This variety produces, with the maceration of whole clusters, warm, fruity, moderately colored but not very tannic wines. This variety also produces elegant and fruity rosés.

Clonal selection in France











There are thirty-eight certified Gamay clones carrying the numbers 102, 105, 106, 166, 167, 222, 282, 283, 284, 285, 355, 356, 357, 358, 359, 426, 427, 428, 488, 489, 490, 509, 510, 511, 512, 564, 565, 615, 616, 656, 657, 787, 1060, 1108, 1109, 1169, 1170 and 1227. A conservatory of 415 clones was planted in 2006 in the French department of Rhône. To this was added 510 supplementary clones in 2010.

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
102	Loir-et-Cher	ENTAV	medium to high	high	low	low
	1971	Beaujolais Loire-Valley	high	medium	high	low to medium
			low to medium	medium		wines often irregular in quality
105	Cher	INRA	medium to high	medium to high	low	
	1972	Beaujolais Loire-Valley	high	medium to high	high	
			medium	medium to high		balanced but not very fruity wines

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>
106	Nièvre	INRA	high	high	low	
	1972	Beaujolais Loire-Valley	high	medium to high	high	
			high	high		balanced wines if yields are managed
ENTAV  INRA®						
166	Nièvre	INRA	medium	medium to high	low to medium	
	1972	Beaujolais Loire-Valley	high	medium	medium	
			medium to high	medium to high		tannic wines that lack finesse
ENTAV  INRA®						
167	Non précisée	ENTAV	low to medium	medium	low	
	1972	Beaujolais	high	medium	high	
			high	medium		representative wines of the variety
ENTAV  INRA®						
222	Loir-et-Cher	ENTAV	medium to high	medium to high	medium	low to medium
	1973	Beaujolais Burgundy Loire-Valley	medium to high	medium	medium to high	medium
	5.25 ha		medium	medium		balanced and fruity wines, representative of the variety
ENTAV  INRA®						
282	Loir-et-Cher	ENTAV	medium to high	medium to high	medium	low to medium
	1973	Beaujolais Burgundy Loire-Valley	medium to high	medium to high	medium	medium
	2.53 ha		medium	medium		balanced and fruity wines, representative of the variety
ENTAV  INRA®						
283	Loir-et-Cher	ENTAV	medium to high	high	low	
	1973	Beaujolais	high	medium	high	
			medium to high	medium to high		representative wines of the variety
ENTAV  INRA®						
284	Loir-et-Cher	ENTAV	high	high	low to medium	low to medium
	1973	Beaujolais Burgundy Loire-Valley	high	medium to high	medium to high	low
	2.43 ha		medium	medium to high		balanced and lower standard of the variety
ENTAV  INRA®						
285	Loir-et-Cher	ENTAV	medium to high	medium to high	low to medium	low
	1973	Beaujolais Loire-Valley	medium to high	medium to high	low to medium	low
			medium to high	medium to high		very low-structured wines
ENTAV  INRA®						
355	Loir-et-Cher	ENTAV	high	high	low	
	1975	Beaujolais	medium to high	medium to high	high	
			high	high		representative wines of the variety
ENTAV  INRA®						
356	Loir-et-Cher	ENTAV	high	high	low	low
	1975	Beaujolais Loire-Valley	high	high	high	low
	0.71 ha		medium to high	medium to high		acid wines of low constitution
ENTAV  INRA®						
357	Loir-et-Cher	ENTAV	medium to high	medium to high	low to medium	low to medium
	1975	Beaujolais	medium to high	medium to high	medium to high	low to medium
			high	medium to high		fruity and not very structured wines

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>

ENTAV  INRA®

358	Loir-et-Cher	ENTAV	low to medium	low to medium	medium to high	medium
	1975	Beaujolais Burgundy Loire-Valley	medium	medium	medium	medium
	4.04 ha		medium	medium to high		balanced, aromatic and fairly full-bodied wines

ENTAV  INRA®

359	Loir-et-Cher	ENTAV	medium	medium	medium	
	1975	Beaujolais	medium to high	medium to high	medium	
			high	medium to high		representative wines of the variety

ENTAV  INRA®

426	Non précisée	ENTAV				
	1976					
						representative wines of the variety

ENTAV  INRA®

427	Non précisée	ENTAV	low to medium	medium	medium	
	1976	Beaujolais	high	medium	medium	
			medium to high	medium to high		representative wines of the variety

ENTAV  INRA®

428	Loir-et-Cher	ENTAV	low to medium	medium	low to medium	low
	1976	Beaujolais	medium to high	high	low to medium	low
			medium to high	medium to high		wines with very light structure

ENTAV  INRA®

488	Nièvre	INRA	high	high	low	
	1976	Beaujolais Loire-Valley	high	high	high	
			medium	medium to high		light wines

ENTAV  INRA®

489	Nièvre	INRA	high	high	low to medium	
	1976	Beaujolais Loire-Valley	medium to high	medium	medium	
			high	medium to high		balanced wines

ENTAV  INRA®

490	Nièvre	INRA	high	medium to high	low to medium	
	1976	Beaujolais Loire-Valley	medium	medium	medium	
			medium	medium to high		light wines

ENTAV  INRA®

509	Allier	ENTAV	low	low	high	medium
	1976	Beaujolais Burgundy Loire-Valley	medium	low	low	medium to high
	6.80 ha		medium	medium to high		balanced, aromatic and full-bodied wines

ENTAV  INRA®

510	Rhône	ENTAV	medium	medium	low to medium	
	1976	Beaujolais	medium	high	high	
			medium to high	medium to high		representative wines of the variety

ENTAV  INRA®

511	Côte-d'Or	ENTAV	high	high	low	
	1976	Beaujolais	high	high	high	
			high	high		representative wines of the variety

ENTAV  INRA®

512	Côte-d'Or	ENTAV	high	high	low	
	1976	Beaujolais	high	high	medium	

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>
		medium to high	high		representative wines of the variety	
ENTAV INRA®						
564	Loir-et-Cher	ENTAV	low to medium	medium	medium	
	1978	Beaujolais	medium to high	medium	medium to high	
			medium	medium		representative wines of the variety
ENTAV INRA®						
565	Allier	ENTAV	medium	low	high	high
	1978	Beaujolais Burgundy Loire-Valley	low	high	medium	high
	2.18 ha		medium	low to medium		colored, aromatic and full-bodied wines
ENTAV INRA®						
615	Non précisée	ENTAV	medium	high	low	
	1979	Beaujolais	high	medium to high	high	
			high	medium to high		representative wines of the variety
ENTAV INRA®						
616	Non précisée	INRA	low to medium	medium	medium	low to medium
	1979	Beaujolais	medium	high	medium to high	medium
			medium to high	low to medium		acidic and medium-structured wines
ENTAV INRA®						
656	Rhône	ENTAV	medium	medium to high	medium to high	medium to high
	1980	Beaujolais Loire-Valley	high	medium	medium	high
	2.48 ha		medium to high	low to medium		colored, fine, aromatic and complex wines
ENTAV INRA®						
657	Rhône	ENTAV	medium	medium to high	low to medium	low
	1980	Beaujolais	medium	low to medium	medium to high	low
			medium to high	medium		acidic wines of low constitution
ENTAV INRA®						
787	Rhône	ENTAV	high	medium	high	medium
	1984	Beaujolais Loire-Valley	medium	medium	medium	high
	5.10 ha		medium	medium		balanced, fine and aromatic wines
ENTAV INRA®						
1060	Loir-et-Cher	Sicarex Beaujolais - ENTAV	medium to high	medium	medium	medium
	2001	Beaujolais	medium	low	medium to high	high
	1.06 ha		medium	medium		colored, fruity, fat and tannic wines
ENTAV INRA®						
1108	Loire	Sicarex Beaujolais - ENTAV	low	low	medium to high	medium to high
	2006	Beaujolais	low to medium	medium	medium	medium to high
			medium	medium		balanced, structured and aromatic wines
ENTAV INRA®						
1109	Loire	Sicarex Beaujolais - ENTAV	low	low	high	high
	2006	Beaujolais	low to medium	medium	medium to high	high
	0.01 ha		medium	medium		colored and aromatic wines with good tannic structure
ENTAV INRA®						
1169	Beaujolais	Sicarex Beaujolais - IFV	low	low	high	high
	2011	Beaujolais	medium	low	medium	high
			low to medium	low		well-balanced, colored and structured wines

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>

ENTAV  INRA®

1170	Auvergne	Sicarex Beaujolais - IFV	very low	low	medium	medium
	2011	Beaujolais	high	low	medium to high	medium to high
			medium	medium to high		balanced and structured wines

ENTAV  INRA®

1227	Beaujolais	Sicarex Beaujolais - IFV	medium to high	low	medium to high	high
	2015	Beaujolais	low	medium	medium to high	medium to high
			low to medium	low	high	colored wines with good tannins that last in the mouth

ENTAV  INRA®



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