



Macabeu B



Name of the variety in France

Macabeu

Origin

This variety is originally from Spain, probably from Catalonia. Based on published genetic analyses, Macabeu would be the result of crossbreeding Gibi and Brustiano faux.

Synonyms

In the European Union, Macabeu is officially called by other names: Macabeo (Spain), Maccabeau (Greece) and Viura (Spain). These synonyms are officially recognized in France regarding plant propagation material.

Legal information

In France, Macabeu 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: Greece and Spain.

Use

Wine grape variety.

Evolution of cultivated areas in France

	1958	1968	1979	1988	1998	2008	2018
ha	4429	5975	7077	7621	5771	3536	1636

Descriptive elements

The identification is based on:

- the tip of the young shoot with a very high density of prostate hairs,
- the shoots with internodes which are often flattened and fasciated,
- the large light green adult leaves with five lobes, a slightly open or closed petiole sinus, no anthocyanin coloration of veins, a shiny involute on the edges leaf blade, and on the lower side of the leaves, a high density of prostate hairs,
- the round-shaped berries.

Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	131	232	239	186	188	244	238	235	249
Allel 2	143	234	239	191	188	258	240	257	255

Phenology

Bud burst: 9 days after Chasselas.

Grape maturity: late-season, 4 weeks after Chasselas.

Suitability for cultivation and agronomic production

Macabeu is a productive, vigorous variety with an erect bearing and must be pruned short. It is sensitive to the wind. Planting in cool and humid areas, along with too dry soil should be avoided as the variety can be subject to apoplexy and early leaf drop.

Susceptibility to diseases and pests

Macabeu is rather sensitive to mites, grey rot and bacterial necrosis.

Technological potentiality

The bunches are very large and the berries medium to large in size. Depending on growing conditions, Macabeu can be used to produce sparkling wines, sweet wines or dry white wine. The dry white wines and sparkling wines are light, pleasant but are often lacking acidity and a bit of finesse. The aromas (sometimes with fennel notes) are also not very intense.



Clonal selection in France

The ten certified Macabeu clones carry the numbers 630, 631, 632, 633, 706, 735, 736, 737, 789 and 1025. A conservatory of sixty or so clones was planted in the French department of Pyrénées-Orientales between 1979 and 1980. An other conservatory of 60 clones was planted in the French department of Aude 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
630	Pyrénées-Orientales	ENTAV	medium	medium	medium to high	
	1979	Roussillon	medium		medium to high	
	0.73 ha					representative wines of the variety
ENTAV 						
631	Pyrénées-Orientales	ENTAV	low	low to medium	medium	
	1979	Roussillon	medium			
	0.73 ha					representative wines of the variety
ENTAV 						
632	Pyrénées-Orientales	ENTAV	medium	medium	irregular	
	1979	Roussillon	medium			
	0.15 ha					representative wines of the variety

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>

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633	Pyrénées-Orientales	ENTAV	medium to high	medium	high	
	1979	Roussillon	medium			
	0.19 ha					representative wines of the variety

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706	Pyrénées-Orientales	ENTAV			low to medium	
	1980	Roussillon	medium			
	0.26 ha					representative wines of the variety

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735	Pyrénées-Orientales	INRA	medium	medium	medium to high	
	1981	Aude Roussillon	medium			
	0.53 ha					representative wines of the variety

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736	Pyrénées-Orientales	INRA	medium	medium	medium	
	1981	Aude Roussillon	medium			
	0.18 ha					representative wines of the variety

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737	Pyrénées-Orientales	INRA	medium	medium	medium	
	1981	Aude Roussillon	medium			
						representative wines of the variety

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789	Pyrénées-Orientales	ENTAV	medium to high	high	low	
	1984	Roussillon	high			
	0.45 ha					representative wines of the variety

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1025	Pyrénées-Orientales	ENTAV	medium	medium	medium	
	1995	Roussillon	medium		medium	
						representative wines of the variety

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