



## Chardonnay B



### Name of vine variety in France

Chardonnay

### Origin

This variety is originally from Bourgogne (Burgundy) and based on published genetic analyses, comes from the crossbreeding with Pinot and Gouais B

### Synonymy

No synonym is officially recognized for this vine variety. In the European Union, Chardonnay B can officially be designated by other names: Chardoney (Bulgaria), Feinburgunder (Austria), Morillon (Austria), Pino shardone (Bulgaria) and Pinot Chardonnay (Cyprus).

### Regulations

In France, Chardonnay B 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, Belgium, Bulgaria, Cyprus, Spain, Great Britain, Greece, Italy, Hungary, Luxemburg, Malta, Netherlands, Portugal, Czech Republic, Romania, Slovakia, Slovenia and Sweden

### Use

Wine grape variety

### Evolution of area under vines in France

	1958	1968	1979	1988	1998	2008	2016
ha	7325	9805	13042	19869	33070	42017	53870

### Description

Identification signs include:

- the tips of the young shoot have a sparse to moderate cover of flat-lying hairs,
- young leaves are green with bronze patches,
- herbaceous shoots with red colored internodes, - orbicular adult leaves, full or 5-lobed with slightly open petiolar sinus often limited by a vein near the petiolar point; short teeth compared to width, straight sides, slightly bubbled leaf blade with the underside sparsely covered with upright hairs,

- round-shaped berries

## Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	135	232	239	178	188	244	238	216	239
Allel 2	141	236	243	186	196	246	254	227	271

## Phenology

Bud burst: 1 day before Chasselas.

Grape maturity: period I, 1 and 1/2 weeks after Chasselas

## Suitability for cultivation and agronomic production

Chardonnay B is generally long pruned. However in areas with favorable climatic conditions for floral initiation, vines may also be pruned short. This variety is suited to moderately fertile soils with dominant limestone or marly. In Mediterranean areas, intense drought situations are to be avoided.

## Sensitivity to diseases and pests

Chardonnay B is susceptible to powdery mildew and to grapevine yellows due to phytoplasma. On the other hand, it is not prone to downy mildew. At the end of maturation and under strong vigor situation, grey rot may cause substantial damage.

## Technological potential

The grape clusters and berries are small. This variety has an extremely high potential for quality and is used to produce dry white wines, sparkling wines and even liqueur wines. The sugar content of the berries can reach high levels while maintaining high acidity levels. This is what enables the production of particularly well balanced, powerful and full bodied wine (rich and with volume). The typical aromas are complex and intense (dried fruit, hazel nut, grilled flavor, exotic fruit, butter, etc). Chardonnay B is likewise suited to fermentation and barrel ageing.


## Clonal selection in France

The thirty-one approved Chardonnay B clones carry the numbers 75, 76, 77, 78, 95, 96, 116, 117, 118, 119, 121, 122, 124, 125, 128, 130, 131, 132, 277, 352, 414, 415, 548, 549, 809, 1066, 1067, 1068, 1145, 1146 and 1147. A conservatory with over 340 clones has been set up in Saône-et-Loire in 1994.


## 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
75	Côte-d'Or	ENTAV	medium	medium to high	low to medium	
	1971	Bourgogne Champagne Languedoc	medium			
	4.10 ha					balanced but neutral wines, diluted due to overproduction
 Varying vigor and production depending on regions. Manage production for use in still wines. It can likewise be used for making sparkling wines.						
76	Saône-et-Loire	ENTAV	medium	medium	medium to high	
	1971	Bourgogne Champagne Languedoc Val-de-Loire	low to medium	medium	medium	

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>
16.18 ha		low to medium			refined and very distinctive, aromatic and balanced wines	


ENTAV  INRA<sup>®</sup> Clone appreciated for its steady production, its agronomic characteristics and the quality of wine produced. It can likewise be used for making sparkling wines.

77	Saône-et-Loire	ENTAV				
	1971					


ENTAV  INRA<sup>®</sup>

Small distribution clone


78	Côte-d'Or	ENTAV	medium to high	high	low	
	1971	Bourgogne Champagne Val-de-Loire	medium			
	4.44 ha					not very expressive with still wines

ENTAV  INRA<sup>®</sup> Productive clone, adapted to making sparkling wines.

95	Côte-d'Or	ENTAV	medium	medium	medium to high	
	1971	Bourgogne Champagne Languedoc	low to medium	medium to high	low to medium	
	12.59 ha		low to medium			refined aromas, rich structure and balanced

ENTAV  INRA<sup>®</sup> Clone appreciated for its steady production, its agronomic characteristics and the quality of the wines produced. It can likewise be used for making sparkling wines.

96	Côte-d'Or	ENTAV	medium	medium to high	medium to high	
	1971	Bourgogne Champagne Languedoc Val-de-Loire	high	high	medium to high	
	28.30 ha		medium			crisp wines

ENTAV  INRA<sup>®</sup> Steady production, manage production for use with still wines. It can likewise be used for making sparkling wines.

116	Côte-d'Or	ENTAV				
	1971					

ENTAV  INRA<sup>®</sup>


Small distribution clone

117	Côte-d'Or	ENTAV				
	1971					

ENTAV  INRA<sup>®</sup>

Small distribution clone


118	Côte-d'Or	INRA	high	high	medium	
	1971	Bourgogne Champagne	medium			
	2.19 ha					distinctive wines of the vine variety

ENTAV  INRA<sup>®</sup> Clone adapted to making sparkling wines.


119	Côte-d'Or	INRA	medium to high	medium to high	low to medium	
	1971	Bourgogne	medium			
	0.94 ha					distinctive wines of the vine variety

ENTAV  INRA<sup>®</sup>

121	Côte-d'Or	INRA	medium	medium	medium	
	1971	Bourgogne Champagne	medium to high	medium	medium	
	3.42 ha		medium			aromatic, refined, distinctive and balanced wines

ENTAV  INRA<sup>®</sup> Clone appreciated for its agronomic characteristics and quality of wines produced. It can likewise be used for making sparkling wines.

122	Côte-d'Or	INRA	medium	medium to high	medium	
	1971	Bourgogne Languedoc	high			
	0.56 ha					distinctive wines of the vine variety


ENTAV  INRA<sup>®</sup> Clone adapted to making sparkling wines.

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>
124	Côte-d'Or	INRA	high	high	low to medium	
	1971	Bourgogne Champagne	medium to high	medium to high	medium	
	5.82 ha					crisp wines
ENTAV  INRA <sup>®</sup> Manage production for its use with still wines. It can likewise be used for making sparkling wines.						
125	Côte-d'Or	INRA	high	high	medium	
	1971	Bourgogne	medium			distinctive wines of the variety
ENTAV  INRA <sup>®</sup>						
128	Côte-d'Or	INRA	medium to high	medium to high	medium to high	
	1971	Bourgogne	medium to high			distinctive wines of the variety
	0.42 ha					
ENTAV  INRA <sup>®</sup>						
130	Côte-d'Or	INRA	medium to high	medium to high	medium	
	1971	Bourgogne Champagne Languedoc	medium			distinctive wines of the vine variety
	4.09 ha					
ENTAV  INRA <sup>®</sup> Clone adapted to making sparkling wines.						
131	Côte-d'Or	INRA	medium	medium to high	medium to high	
	1971	Bourgogne Champagne	medium to high	medium	medium	
	4.02 ha		low to medium			crisp wines
ENTAV  INRA <sup>®</sup> Manage production for its use with still wines. This clone can likewise be used for making sparkling wines.						
132	Côte-d'Or	INRA	high	high	low to medium	
	1971	Bourgogne Champagne	high			distinctive wines of the vine variety
	3.34 ha					
ENTAV  INRA <sup>®</sup> Clone adapted to making sparkling wines.						
277	Côte-d'Or	ENTAV	high	medium to high	medium	
	1973	Bourgogne Val-de-Loire	medium to high	medium to high	medium	
	9.21 ha		low to medium			balanced wines with mineral aromas
ENTAV  INRA <sup>®</sup> Varying vigor and production which needs to be managed to obtain sufficient quality level.						
352	Côte-d'Or	ENTAV				
	1975					
ENTAV  INRA <sup>®</sup> Small distribution clone						
414	Côte-d'Or	ENTAV				
	1976					
ENTAV  INRA <sup>®</sup> Small distribution clone						
415	Côte-d'Or	ENTAV				
	1976					
ENTAV  INRA <sup>®</sup> Small distribution clone						
548	Saône-et-Loire	ENTAV	medium	low	high	
	1978	Bourgogne	low	medium	medium to high	
	6.06 ha		medium			concentrated, balanced wines with complex aromas
ENTAV  INRA <sup>®</sup> Early maturity clone, appreciated for its agronomic characteristics and the quality of wines obtained.						
549	Non précisée	ENTAV	medium	medium	medium	
	1978	Bourgogne	low to medium			


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>
0.10 ha					distinctive wines of the vine variety	

ENTAV 


809	Saône-et-Loire	ENTAV	medium	medium	high	
	1985	Bourgogne	low	medium	high	
	1.98 ha		low to medium			muscaté and refined wines with balanced structure

ENTAV  Clone appreciated for its agronomic characteristics and quality of wines produced. Use with care based on sought after muscaté character


1066	Côte-d'Or	ATVB - ENTAV	low to medium	very lower	high	
	2003	Bourgogne	very lower		low to medium	
			low to medium			refined, distinctive, aromatic and well-balanced wines

ENTAV  Small grape clusters with considerable millerandage. Early maturity clone, appreciated for its low production, its high sugar content and the quality of wines obtained. Use for blending and for high added value productions due to its low yields.

1067	Côte-d'Or	ATVB - ENTAV	low	low	high	
	2003	Bourgogne	low to medium		medium	
			medium			concentrated and balanced wines with complex aromas

ENTAV  Early maturity clone, appreciated for its agronomic characteristics and the quality of wines obtained.

1068	Côte-d'Or	ATVB - ENTAV	low to medium	medium	high	
	2003	Bourgogne	low to medium		medium	
			medium			muscaté aromas (more subtle following MLF), refined, balanced structure

ENTAV  Clone appreciated for its agronomic characteristics and quality of wines produced.

1145	Saône-et-Loire	CA71 - IFV	medium	medium to high	high	
	2010	Bourgogne	low to medium		low	
			low to medium	medium	medium to high	balanced wines with pronounced muscaté aromas

ENTAV 

Clone appreciated for its agronomic characteristics and quality of wines produced. Use with care based on sought after muscaté character of the wine

1146	Saône-et-Loire	CA71 - IFV	medium to high	low	high	
	2010	Bourgogne	low		medium to low	
			low	medium	high	balanced wines with pronounced muscaté aromas

ENTAV 

Moderate production level. Wines appreciated for their organoleptic characteristics somewhat susceptible to millerandage

1147	Saône-et-Loire	CA71 - IFV	medium	medium	high	
	2010	Bourgogne	low to medium		medium	
			low to medium	medium to low	medium	concentrated and well-balanced wines

ENTAV 

Clone appreciated for its agronomic characteristics and quality of wines produced Somewhat susceptible to millerandage



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