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INRA - IFV - Montpellier SupAgro
Edited on 22/06/2020

Pinot gris G





Name of vine variety in France

Pinot gris

Origin

This variety corresponds to the grey mutation of Pinot noir. It is fairly common to find variations with the white grape form on the same vine trunk. This is much less often the case with the dark form.

Synonymy

There is no officially recognized synonym in France for this variety. In the European Union, Pinot gris can officially be called by other names: Grauer Burgunder (Austria), Pinot grigio (Italy), Ruländer (Germany, Austria, Netherlands), Rulandské sede (Czech republic, Slovakia), Sivi pinot (Slovenia) and Szürkebarat (Hungary).

Regulations

En France, le Pinot gris 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, Belgium, Bulgaria, Czech Republic, Germany, Hungary, Italy, Luxembourg, Malta, Netherlands, Portugal, Romania, Slovakia, Slovenia and Spain.

Use

Wine grape variety.

Evolution of area under vines in France

	1958	1968	1979	1988	1998	2008	2018
ha	492	601	520	893	1759	2452	3073

Description

The description corresponds to that of Pinot noir, except for the skin color of the berries when ripe, which in this case is grey. In southern areas, this tint can become relatively dark.

Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	135	225	239	182	188	240	238	216	239
Allel 2	149	236	243	186	194	246	248	235	271

Phenology

Bud burst: 2 days after Chasselas.
Grape maturity: early-season, 1 week and a half after Chasselas.

Suitability for cultivation and agronomic production

Pinot gris is rather vigorous but not very productive. This variety is well adapted to northern regions, rather deep limestone, relatively dry and well exposed terroirs. It is not very sensitive to winter cold and its fruit production is good following spring frost.

Sensitivity to diseases and pests

This variety is a little sensitive to grey rot and downy mildew.

Technological potential

The bunches and berries are small or very small in size. Pinot gris can produce wines of great finesse: very powerful, full-bodied and aromatic. The sugar accumulation potential is high and acidity low to moderate. Pinot gris poduces wines that generally have a pronounced yellow color and specific aromas compared to Pinot blanc.

Clonal selection in France

The three certified Pinot gris clones carry the numbers 52, 53 and 457. A conservatory collection of 200 or so clones and was planted in Alsace in 1984. Two other conservatories have been planted: on of 9 clones in the Champagne wine-growing region and one of 14 clones in the French department of Côte-d'Or in 1993.

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 approved in France

	Identity and availability		Agronomic data		Technical data	
Clone number	***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***
52	Allemagne (Pays de Bade)	INRA	medium	medium	medium to high	
	1971	Alsace	medium			
	6.17 ha					refined and well-balanced wines
ENTAV INRA®	Clone appreciated for its agronomic characteristics and quality of wines produced					
53	Allemagne (Pays de Bade)	INRA	medium	medium to high	medium	
	1971	Alsace	medium to high			
	2.27 ha					distinctive wines of the vine variety
ENTAV INRA®						
457	Bourgogne	ENTAV	medium to high	medium	medium to high	
	1975	Alsace	low to medium			
	1.96 ha					refined and balanced wines
ENTAV INRA®	Clone appreciated for its agronomic characteristics and quality of wines produced					

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