



## Meunier N



### Name of vine variety in France

Meunier

### Origin

This variety is a mutation of Pinot N, particularly bearing on villosity.

### Synonymy

There is no officially recognized synonym in France for this variety. In the European Union, Meunier N can officially be called by other names: Mlynarka (Czech Republic), Müllerrebe (Germany), Pinot Meunier (Germany, Belgium, Spain, Czech Republic, United Kingdom), Schwarzriesling (Germany, Austria, Czech Republic) and Wrotham pinot (United Kingdom).

### Regulations

In France, Meunier N is officially listed in the "Catalogue of vine varieties".

This vine variety is likewise listed in the Catalogues of other European Union member states: Germany, Austria, Belgium, Bulgaria, Spain, Great Britain, Italy, Netherlands and the Czech Republic.

### Use

Wine vine variety

### Evolution of area under vines in France

	1958	1968	1979	1988	1998	2008	2016
ha	5603	7739	10572	11115	10961	10737	12115

### Description

Identification signs include:

- the tips of the young shoot have a very dense coat of flat-lying hairs, - the young leaves are green,
- the shoots have red lined or red internodes with a moderate to dense coat of flat-lying hairs, - orbicular adult leaves, 5-lobed with a slightly open petiole sinus, deep lateral sinuses and frequently a tooth at bottom; moderate anthocyanin coloration of veins; the leaf blade upper side with a low to moderate coat of flat-lying hairs and the underside with a moderate coat of flat-lying hairs,

- round-shaped or short elliptical-shaped berries.

## Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	126	225	239	182	188	240	238	216	239
Allel 2	135	236	243	186	194	246	248	235	271

## Phenology

Bud burst: 3 days after Chasselas.

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

## Suitability for cultivation and agronomic production

This variety is rather productive and is resistant to winter frost. Fruit bearing is likewise fairly good following spring frost. Tendency to grow many water and new shoots. Meunier N is well suited for limestone terroirs and would appear not very sensitive to chlorosis.

## Sensitivity to diseases and pests

Meunier N is not very sensitive to phomopsis, oidium and powdery mildew. On the other hand, it is sensitive to grape caterpillars and grey rot.

## Technological potential

Grape clusters are small and the berries very small. This variety is used especially for making sparkling wine and is used for producing moderately acidic wines which evolve quickly.

## Clonal selection in France












The 14 approved Meunier N clones carry the numbers 458, 791, 817, 818, 864, 865, 900, 901, 916, 924, 925, 977, 978 and 983. A conservatory of 195 clones has been set up in the Champagne vineyards since 1995.

## 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 1. 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
458	Marne	ENTAV	low to medium	irregular	high	
	1975	Champagne	low			
						distinctive wines
ENTAV INRA® Frequent reverse mutations causing the possible disappearance of «Meunier» character						
791	Marne	ENTAV	high	high	low	
	1984	Champagne	high	medium		
	1.05 ha					good capacity for producing base wines
ENTAV INRA® Earlier maturity clone with leaves with more lobes						
817	Marne	ENTAV	medium	medium	medium	
	1985	Champagne	medium	high		
	1.75 ha					good capacity for producing base wines
ENTAV INRA® Earlier clone						
818	Marne	ENTAV	medium	medium to high	medium	
	1985	Champagne	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>
1.26 ha			medium to high		good capacity for producing base wines	
ENTAV  INRA® Earlier clone						
864	Marne	ENTAV	medium	medium	medium	
	1985	Champagne	medium			
	0.63 ha					good capacity for producing base wines
ENTAV  INRA®						
865	Marne	ENTAV	high	medium	high	
	1986	Champagne	low			
	1.70 ha					good capacity for producing base wines
ENTAV  INRA®						
900	Aisne	ENTAV	medium	medium	high	
	1987	Champagne	medium			
	1.58 ha			medium to high		good capacity for producing base wines
ENTAV  INRA® Frequent reverse mutations causing the possible disappearance of «Meunier» character						
901	Loiret	INRA	medium		high	
	1987	Val-de-Loire				
						used for making rosé wines
ENTAV  INRA®						
916	Loiret	INRA	medium		high	
	1987	Val-de-Loire				
						used for making rosé wines
ENTAV  INRA®						
924	Marne	ENTAV	medium	medium	high	
	1988	Champagne	medium	medium		
	2.40 ha			medium to high		good capacity for producing base wines
ENTAV  INRA®						
925	Aube	INRA	medium	high	low	
	1988	Val-de-Loire	high			
	0.65 ha					good capacity for producing base wines
ENTAV  INRA®						
977	Marne	ENTAV	high	medium	high	
	1991	Champagne	low	high		
	0.89 ha					good capacity for producing base wines
ENTAV  INRA® Later maturity clone						
978	Marne	ENTAV	medium	medium to high	medium	
	1991	Champagne	medium			
	0.88 ha					good capacity for producing base wines
ENTAV  INRA®						
983	Marne	ENTAV	high	high	low	
	1992	Champagne	high			
	0.16 ha					good capacity for producing base wines
ENTAV  INRA® Frequent reverse mutations causing the possible disappearance of «Meunier» character						



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