



## Muscat à petits grains blancs B



### Name of vine variety in France

Muscat à petits grains blancs

### Origin

This variety would appear to originally be from Greece.

### Synonymy

There is no officially recognized synonym for this variety in France. In the European Union, Muscat à petits grains blancs can officially be called by other names: Gelber Muskateller (Austria, Germany), Moscatel de Grano Menudo (Spain), Moscatel Galego Branco (Portugal), Moscato Bianco (Italy), Moschato aspro (Cyprus, Greece), Muškát (Slovenia), Muškát žltý (Czech Republic, Slovakia), Muskat zuti (Croatia), Muskatel (Malta), Rumeni muškát (Slovenia), Sárga muskotály (Hungary).

### Regulations

In France, Muscat à petits grains blancs 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, Bulgaria, Croatia, Cyprus, Czech Republic, Germany, Greece, Italy, Hungary, Malta, Portugal, Slovakia, Slovenia and Spain.

### Use

Wine grape variety.

### Evolution of area under vines in France

|    | 1958 | 1968 | 1979 | 1988 | 1998 | 2008 | 2018 |
|----|------|------|------|------|------|------|------|
| ha | 2297 | 3032 | 3720 | 4639 | 6058 | 7370 | 7540 |

### Description

The identification is based on:

- the tip of the young shoot with a high density of prostate hairs,
- the very bronzed young leaves,
- the shoots with long tendrils,
- the circular, dark green adult leaves, with three or five lobes, a slightly open or closed V-shaped petiole sinus, moderate to large teeth, moderate to long compared to their width at the base with straight sides, no anthocyanin

coloration of veins, a blistered leaf blade, often undulate between the main veins near the petiole sinus, and on the lower side of the leaves, a low density of erect and prostate hairs,  
 - the round-shaped berries with muscat flavor.

## Genetic profile

| Microsatellite | VVS2 | VVMD5 | VVMD7 | VVMD27 | VRZAG62 | VRZAG79 | VVMD25 | VVMD28 | VVMD32 |
|----------------|------|-------|-------|--------|---------|---------|--------|--------|--------|
| Allel 1        | 131  | 225   | 233   | 176    | 186     | 252     | 240    | 245    | 263    |
| Allel 2        | 131  | 234   | 249   | 191    | 196     | 256     | 248    | 267    | 271    |

## Phenology

Bud burst: same as Chasselas.

Grape maturity: mid-season, 2 weeks after Chasselas.

## Suitability for cultivation and agronomic production

This moderately vigorous variety with an erect or semi-erect bearing, must be pruned short. This variety is particularly adapted to limestone terroirs.

## Sensitivity to diseases and pests

Muscat à petits grains blancs is sensitive to powdery mildew, grey rot and hymenoptera. It is also very susceptible to mites.

## Technological potential

The bunches are small and the berries are medium in size. This variety can produce dry white wines, sweet wines and sparkling wines. It can also be blended (with a small percentage) to provide aromatic nuances in neutral wines. Muscat à petits grains blancs has a high sugar potential with a good acidity balance, and intense, powerful and delicate flavor.


## Clonal selection in France

The thirteen certified Muscat à petits grains blancs clones carry the numbers 154, 155, 156, 157, 452, 453, 454, 455, 576, 577, 578, 579 and 826. A conservatory of 130 clones has been planted in the French department of Aude since 1995. Recent surveys have led to the establishment of a second conservatory of a hundred or so clones in the wine-growing region of Die (French department of Drôme) in 2007.

## 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

| 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                      |
| 154  | Lot-et-Garonne            | INRA                 | medium                  | medium           | low to medium  |                                       |
|  | 1971                      | Languedoc-Roussillon | medium                  |                  | medium to high |                                       |
|  | 8.57 ha                   |                      | low                     | medium           |                | distinctive wines of the vine variety |
|  Wines which are the most appreciated in wine tastings |                           |                      |                         |                  |                |                                       |
| 155  | Non précisée              | INRA                 |                         |                  |                |                                       |
|  | 1971                      |                      |                         |                  |                |                                       |

 Small distribution clone

Small distribution clone

| 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>          |
| 156          | Aveyron                     | INRA                        | medium                         | medium                         | low                       |                                       |
|              | 1972                        | Languedoc-Roussillon        | low to medium                  |                                | low to medium             |                                       |
|              | 0.75 ha                     |                             | medium                         | medium                         |                           | distinctive wines of the vine variety |

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|     |              |      |  |  |  |  |
|-----|--------------|------|--|--|--|--|
| 157 | Non précisée | INRA |  |  |  |  |
|     | 1972         |      |  |  |  |  |
|     |              |      |  |  |  |  |

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Small distribution clone

|     |       |   |        |                |        |                                       |
|-----|-------|---|--------|----------------|--------|---------------------------------------|
| 452 | Drôme | ENTAV                                   | medium | medium to high | medium |                                       |
|     | 1976  | Languedoc-Roussillon<br>Vallée-du-Rhône | medium |                | low    |                                       |
|     |       |   | high   | medium         |        | distinctive wines of the vine variety |

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|     |         |                      |                |                |                |                                       |
|-----|---------|----------------------|----------------|----------------|----------------|---------------------------------------|
| 453 | Drôme   | ENTAV                | medium to high | medium to high | high           |                                       |
|     | 1976    | Languedoc-Roussillon | medium to high |                | medium to high |                                       |
|     | 0.93 ha |                      | low to medium  | low to medium  |                | distinctive wines of the vine variety |

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|     |         |                      |                |                |                |                                       |
|-----|---------|----------------------|----------------|----------------|----------------|---------------------------------------|
| 454 | Drôme   | ENTAV                | medium to high | high           | medium to high |                                       |
|     | 1976    | Languedoc-Roussillon | medium to high |                | high           |                                       |
|     | 0.48 ha |                      | medium to high | medium to high |                | distinctive wines of the vine variety |

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|     |         |                      |        |                |                |                                       |
|-----|---------|----------------------|--------|----------------|----------------|---------------------------------------|
| 455 | Drôme   | ENTAV                | high   | high           | medium         |                                       |
|     | 1976    | Languedoc-Roussillon | high   |                | medium to high |                                       |
|     | 1.62 ha |                      | medium | medium to high |                | distinctive wines of the vine variety |

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|     |         |                      |        |        |                |                                       |
|-----|---------|----------------------|--------|--------|----------------|---------------------------------------|
| 576 | Hérault | ENTAV                | medium | medium | medium to high |                                       |
|     | 1978    | Languedoc-Roussillon | medium |        |                |                                       |
|     |         |                      |        |        |                | distinctive wines of the vine variety |

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|     |                |   |        |        |                |                                       |
|-----|----------------|---|--------|--------|----------------|---------------------------------------|
| 577 | Lot-et-Garonne | ENTAV                                   | medium | medium | medium to high |                                       |
|     | 1978           | Languedoc-Roussillon<br>Vallée-du-Rhône | medium |        |                |                                       |
|     |                |   |        |        |                | distinctive wines of the vine variety |

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|     |       |                      |        |        |        |                                       |
|-----|-------|----------------------|--------|--------|--------|---------------------------------------|
| 578 | Drôme | ENTAV                | medium | medium | medium |                                       |
|     | 1978  | Languedoc-Roussillon | medium |        |        |                                       |
|     |       |                      |        |        |        | distinctive wines of the vine variety |

ENTAV  INRA®

|     |         |                      |        |        |                |                                       |
|-----|---------|----------------------|--------|--------|----------------|---------------------------------------|
| 579 | Drôme   | ENTAV                | medium | medium | medium to high |                                       |
|     | 1978    | Languedoc-Roussillon | medium |        |                |                                       |
|     | 0.33 ha |                      |        |        |                | distinctive wines of the vine variety |

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|     |                     |                      |        |        |                |                                       |
|-----|---------------------|----------------------|--------|--------|----------------|---------------------------------------|
| 826 | Pyrénées-Orientales | ENTAV                | medium | medium | medium to high |                                       |
|     | 1985                | Languedoc-Roussillon | medium |        | medium to high |                                       |
|     | 1.26 ha             |                      |        |        |                | distinctive wines of the vine variety |

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