



Autumn Royal N

Name of the variety in France

Autumn Royal

Origin

This table grape variety was obtained at the USDA Station of Fresno in California, in 1981. It would result from the crossbreeding of Autumn Black and C74-1 Fresno.

Synonyms

There is no officially recognized synonym in France nor in the other countries of the European Union, for this variety.

Legal information

In France, Autumn Royal is officially listed in the "Catalogue of vine varieties" since 2015 on the B list. This variety is also listed in the catalogue of Italy.

Use

Table grape variety.

Evolution of cultivated areas in France



Descriptive elements

The identification is based on:

- the tip of the young shoot with a low density of prostrate hairs,
- the shiny bronzed young leaves with no or a very low density of prostrate hairs,
- the shoots with green nodes and internodes,
- the wedge-shaped adult leaves, with five lobes, a very open U- or V-shaped petiole sinus, with sometimes a tooth on the edge, small teeth, long compared to their width at the base with straight sides or with one side concave and one side convex, a weak anthocyanin coloration of veins, an involute, slightly blistered leaf blade, and on the lower side of the leaves, no erect and prostrate hairs,
- the ellipsoid or ovoid berries.

Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	149	232	239	178	186	248	248	243	255
Allel 2	149	238	249	191	188	258	248	243	271

Phenology

[drafting underway]

Suitability for cultivation and agronomic production

Autumn Royal is rather vigorous and has an erect bearing. It is not very fertile but produces large bunches. It is not

very sensitive to millerandage. This variety has a moderate production that can vary from one year to the next. This variety is usually pruned long. The harvest must be performed several times as the maturity and the coloration of berries is heterogeneous and the grapes do not keep well on the vine trunks.

Susceptibility to diseases and pests

Autumn Royal is a little sensitive to peduncular rot. It is also very sensitive to downy mildew and rather susceptible to vine leafhoppers.

Technological potentiality

Autumn Royal's bunches are large and moderately compact. The berries are seedless, very large, simple-flavored, with a moderately thick skin and a crunchy, sapid pulp. This variety does not require an acid gibberellic treatment and has interesting gustatory qualities. The berries are rather sugary for a table grape variety, and if the seeds are present, they are soft and not very noticeable. The bunches have a good cold storage aptitude and resist well to manipulations.

Clonal selection in France

The only certified Autumn royal clone carries the number 1220.

Bibliographic references

- Documentary collections of the Centre de Ressources Biologiques de la Vigne de Vassal-Montpellier, INRAE - Montpellier SupAgro, Marseillan, France.

Description of clones certified in France

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>
1220	Vaucluse 2014	IFV				

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