



CENTRAL INSTITUTE FOR SUPERVISING AND TESTING IN AGRICULTURE



LIST OF GRAPE VARIETIES 2020



**CENTRAL INSTITUTE FOR SUPERVISING AND TESTING
IN AGRICULTURE**

DEPARTMENT OF VITICULTURE



LIST OF GRAPE VARIETIES 2020

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Section of Plant Production

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INTRODUCTION

Grape varieties against the historical background to viticulture

Grapevine is among the agricultural crops which have shaped civilization from the Ancient World to the present. Similar to the basic types of cereal, fruit crops and important types of vegetable, grapevine originated in a geographical area covering the Middle East and south of the Caucasus, i.e. the regions of the most advanced ancient civilizations. More than five thousand years ago, cultivated varieties of grapevine would have been spread both westwards and eastwards from this area, which is evidenced by the discovery of historical texts and archaeological finds of ancient China, Egypt, Judea, Greece, and other Mediterranean sites providing more precise and detailed information on grape cultivation, processing and utilization. In addition to their utility function, grape and wine have always been associated with social, cultural and religious roles.

Understanding and recognizing different grape varieties is evident from the earliest written reports and is related to the wide plasticity of this species. Early human cultures emerged, disappeared and were restored; similarly, cultivated grape varieties were developed through cross-pollination not just between cultivated varieties but also between wild or escaped grapevines and the earliest cultivated species. Many grape varieties also evolved via a targeted selection carried out by new emerging generations of winemakers. The grapevine gradually spread to the north of the Mediterranean and to New World regions and adapted to different climatic conditions.

Migration of peoples (5th century AD), which directed the development of the European civilization, was also a significant push to the development of modern cultivars, as after nearly three thousand years, varieties cultivated in the eastern and western wine regions of the world would cross again resulting in genetic material which was the basis for a varietal range up until the 19th century. Similarly, use of genetic material of Old-World varieties and native American varieties helped suppress the fungal diseases and pests introduced in the second half of the 19th century.

In the context of history, grape varieties currently grown on the territory of the Czech Republic and registered in the List of Varieties can be divided into the following categories:

- **Traditional varieties of the marginal region of Central Europe created by successive targeted selection, crossbreeding and adaptation to our soil and climatic conditions for centuries starting with the beginning of the Early Medieval period.**
- **Varieties created by modern mutual crossbreeding of typical Central European grape varieties in order to attain an optimal combination of their properties.**
- **Varieties of the southern and eastern wine regions newly introduced to our conditions in order to broaden the product range. This category includes varieties in the global grape market gradually added to the List of Varieties.**
- **Grape varieties derived from crossbreeding between American and Eastern European varieties using their genetic material in order to improve disease and pest resistance.**

Thousands of years of vine-growing, breeding and winemaking tradition which is being permanently developed has brought a wide range of varieties better adapted to ever-changing cultivation conditions, to the new position of contemporary agriculture, and more importantly, to evolving global consumer demands.

Recently, increasing demand for varieties with improved resistance to fungal diseases has been observed. So-called PIWI varieties (PIWI is the short form for the German “Pilzwiderstandsfähigen Reben”) are gradually extending the product range of traditional grape varieties and reaching larger number of consumers.

System of Inspecting Grape Varieties in the Czech Republic and the Role of the Central Institute for Supervising and Testing in Agriculture

Addition of a variety to the National List of Varieties listed in the State Variety Book (according to Act No. 219/2003 Coll.) and granting plant variety rights (according to Act No. 408/2000 Coll.) shall be contingent upon satisfying distinctness, uniformity and stability criteria.

Testing the distinctness, uniformity and stability of grape varieties is carried out by the Central Institute for Supervising and Testing in Agriculture (UKZUZ) through the Viticulture Department at research vineyards in wine growing region of Načeratický kopec, Znojmo.

Addition of a variety of species of agricultural value to the National List of Varieties, which also includes the grapevine (Section 26 (1) (d) of the Seed and Planting Act), shall also be contingent upon satisfying value for cultivation and use criteria (VCU). Among the different criteria of the VCU assessment, the major criteria comprise significant economic characteristics such as yield, resistance to diseases and pests and resistance to blossom drop. At the same time, assessment of technological and qualitative parameters of harvested grapes, e.g. yield of grapes and the harvest maturity is carried out. In addition, must is tested for sugar content, level of acidity, etc.

The presented list of grape varieties has been drawn up on the basis of the results of the tests described above. Descriptions of varieties are accompanied by photographs of individual parts of grapevines for which evaluation of level of expression is necessary to distinguish between different varieties.

The list includes varieties registered and added to the State Variety Book of the Czech Republic before 31st December 2015. The data on the size of area under vines (p. 7 – 9) were drawn from the Vineyard Register.

Testing grape varieties for the purpose of registration in the State Variety Book and subsequent processing of the results in the form of the List of Grape Varieties represent a valuable source of current knowledge intended not only for winegrowers and winemakers but also for other professionals and supporters of wine culture.

In Znojmo – Oblekovice; 7th June 2016 the authors

Grape varieties registered in the State Variety Book of the Czech Republic

White wine grape varieties

No	Name of variety	Years of registration	Country of origin	Planted area	
				Total ha	%
1.	Aurelius	1983	CZ	44,30	0,25
2.	Auxerrois	2004	W	1,65	0,01
3.	Děvín	1998	SK	30,98	0,17
4.	Erilon	2011	CZ	2,64	0,01
5.	Florianka	2010	CZ	2,61	0,01
6.	Hibernal	2004	DE	339,94	1,92
7.	Chardonnay	1987	W	972,77	5,49
8.	Irsai Oliver	1972	HU	103,84	0,59
9.	Kerner	2001	DE	67,42	0,38
10.	Lena	2001	CZ	6,12	0,03
11.	Malverina	2001	CZ	12,71	0,07
12.	Medea	2014	CZ	1,22	0,01
13.	Mery	2015	CZ	1,84	0,01
14.	Muškat moravský (syn.: MOPR)	1987	CZ	457,01	2,58
15.	Muškat Ottonel (syn.: Muscat Ottonel)	1952	W	55,57	0,31
16.	Müller Thurgau (syn.: Rivaner)	1941	W	1460,01	8,24
17.	Neuburské (syn.: Neuburger)	1941	W	282,48	1,59
18.	Pálava	1977	CZ	652,84	3,68
19.	Rinot	2008	CZ	9,26	0,05
20.	Rulandské bílé (syn.: Pinot blanc)	1941	W	795,28	4,49
21.	Rulandské šedé (syn.: Pinot gris)	1941	W	1014,16	5,72
22.	Rulenska	2018	CZ	0,02	0,00
23.	Ryzlink rýnský (syn.: Rhein Riesling, Riesling)	1941	W	1359,32	7,67
24.	Ryzlink vlašský (syn.: Welschriesling)	1941	W	1183,80	6,68
25.	Sauvignon (syn.: Sauvignon blanc)	1952	W	970,58	5,48
26.	Savilon	2010	CZ	20,60	0,12
27.	Svojsen	2015	CZ	0,01	0,00
28.	Sylvánské zelené (syn.: Sylvánské, Grüner Silvaner)	1941	W	170,97	0,96
29.	Tramín červený (syn.: Tramín, Gewürztraminer, Tramín kořený)	1941	W	699,50	3,95

30.	Tristar	2013	CZ	0,17	0,00
31.	Veltlínské červené rané (syn.: Malvasier, Malvasia)	1952	W	150,32	0,85
32.	Veltlínské zelené (syn.: Grüner Veltliner)	1941	W	1678,06	9,47
33.	Veritas	2001	CZ	7,33	0,04
34.	Vesna	2012	CZ	1,92	0,01
35.	Vrboska	2004	CZ	1,31	0,01
Total				12558,57	70,85

Black wine grape varieties

No	Name of variety	Years of registration	Country of origin	Planted area	
				Total ha	%
36.	Acolon	2011	DE	2,25	0,01
37.	Agni	2001	CZ	5,57	0,03
38.	Alibernet	1975	UA	26,33	0,15
39.	André	1980	CZ	198,67	1,12
40.	Ariana	2001	CZ	2,95	0,02
41.	Blauburger	2011	AT	10,11	0,06
42.	Cabernet Cortis	2013	DE	24,05	0,14
43.	Cabernet Dorsa	2011	DE	0,52	0,00
44.	Cabernet Moravia	2001	CZ	192,06	1,08
45.	Cabernet Sauvignon	1980	W	222,13	1,25
46.	Cerason	2008	CZ	0,88	0,00
47.	Dornfelder	2004	DE	160,82	0,91
48.	Frankovka (syn.: Lemberger, Blaufränkisch)	1941	W	1056,96	5,96
49.	Fratava	2008	CZ	6,73	0,04
50.	Jakubské	2011	W	1,25	0,01
51.	Kofranka	2011	CZ	0,42	0,00
52.	Laurot	2004	CZ	5,26	0,03
53.	Merlot	2001	W	134,17	0,76
54.	Modrý Portugal (syn.: Blauer Portugieser, Portugieser Blau)	1941	W	549,76	3,10
55.	Nativa	2010	CZ	0,57	0,00
56.	Neronet	1991	CZ	36,67	0,21
57.	Rubinet	2005	CZ	2,87	0,02
58.	Rulandské modré (syn.: Pinot noir)	1941	W	724,28	4,09
59.	Sevar	2008	CZ	4,52	0,03
60.	Svatovavřínecké (syn.: Saint Laurent)	1941	W	1015,27	5,73
61.	Zweigeltrebe	1980	AT	745,47	4,21
Total				5130,54	28,95
Total of wine grapes				17689,11	99,80

Table grape varieties

No	Name of variety	Years of registration	Country of origin	Planted area	
				Total ha	%
62.	Arkadia	2001	UA	0,38	0,00
63.	Diamant	1998	SK	0,38	0,00
64.	Chrupka bílá (syn.: Chasselas blanc)	1941	W	7,15	0,04
65.	Chrupka červená (syn.: Chasselas rouge))	1941	W	1,23	0,01
66.	Julski Biser	1972	BG	0,31	0,00
67.	Olšava	1988	CZ	0,47	0,00
68.	Panonia Kincse	1980	HU	3,39	0,02
69.	Pola	2001	CZ	0,43	0,00
70.	Vitra	1993	CZ	0,29	0,00
Total				14,03	0,08

Rootstock varieties

No	Name of variety	Years of registration	Country of origin	Planted area	
				Total ha	%
71.	Amos	1990	CZ	0,05	0,00
72.	B. x R. 125 AA	1979	W	0,44	0,00
73.	B. x R. Craciunel 2	1979	W	0,01	0,00
74.	B. x R. Kober 5BB	1979	W	11,70	0,07
75.	B. x R. SO-4	1979	W	8,61	0,05
76.	B. x R. Teleki 5C	1979	W	0,72	0,00
77.	LE – K/1	1979	CZ	0,15	0,00
Total				21,68	0,12
TOTAL				17724,82	

Descriptors:

AT – Austria, BG – Bulgaria, CZ – the Czech Republic, DE – Germany, HU – Hungary, SK – Slovakia, UA – Ukraine, W – a variety of global importance, sometimes of unknown origin

PLANT VARIETY RIGHTS

Plant variety rights give the breeder of a new variety the exclusive control over the protected variety (i.e. production or reproduction, altering so it can be propagated, offering for sale, selling or other marketing, exporting or importing, and keeping stock for any reason). The holder of a breeder's right may grant other person permission to use the protected variety and set the level of licence fees to use it.

The List of Grape Varieties provides additional information on granting national plant variety rights (Act No. 408/2000 Coll., on plant variety rights protection, as last amended) provided that the variety is not the subject matter of a Community plant variety right, or granting Community plant variety rights (Council Regulation (EC) 2100/94) provided that the variety is not the subject matter of a national plant variety right.

LIST OF LEGALLY PROTECTED GRAPE VARIETIES

Wine grape varieties

	Name of the variety	Date of trademark registration	Date of expiration of trademark registration
1.	Agni	13 May 2002	31 December 2032
2.	Andre	13 May 2002	31 December 2032
3.	Ariana	18 December 2002	31 December 2032
4.	Aurelius	13 May 2002	31 December 2032
5.	Cabernet Moravia	13 May 2002	31 December 2032
6.	Cerason	12 April 2011	31 December 2041
7.	Erilon	2 March 2011	31 December 2041
8.	Kofranka	2 March 2011	31 December 2041
9.	Laurot	5 October 2005	31 December 2035
10.	Lena	13 May 2002	31 December 2032
11.	Malverina	13 May 2002	31 December 2032
12.	Marlen	20 March 2014	31 December 2044
13.	Medea	29 August 2014	31 December 2044
14.	MOPR	8 December 2004	31 December 2034
15.	Nativa	4 September 2010	31 December 2040
16.	Rinot	27 November 2008	31 December 2038
17.	Savilon	26 February 2011	31 December 2041
18.	Tristar	28 December 2013	31 December 2043
19.	Veritas	13 May 2002	31 December 2032
20.	Vesna	15 August 2012	31 December 2042
21.	Vrboska	5 October 2005	31 December 2035

WINE GRAPE VARIETIES

ACOLON (Ac)

Medium ripening black wine grape variety, the grapes reach full maturity in late September.

Origin:

Germany, crossing 'Frankovka' x 'Dornfelder'.

Year of registration in the State Variety Book:

2011

Varietal characteristics:

Mature leaf: large to very large size, wedge-shaped.

Bunch: medium size and medium density.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of great quality, deep ruby colour, fruity aroma, fruity and spicy taste, full-bodied, fresh, with delicate aromatic character.

Holding institution:

VERITAS spol. s r.o.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	medium / strong	6
Grape yield	medium	5
Sugar content of must	high	7



AGNI (Ag)

Early to medium ripening black wine grape variety, the grapes reach full maturity in mid-September.

Origin:

Wine-growing region of Morava, crossing ,André' x ,Irsai Oliver'.

Year of registration in the State Variety Book:

2001

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, flat profile of blade.

Bunch: small to medium size, dense.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: high.



Wine:

Wine of very good quality, with intense aroma and taste.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	early / medium late	4
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium / high	6
Sugar content of must	high	7



ALIBERNET (AI)

Medium to late ripening black wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Ukraine, crossing ‚Alicante Bouchet‘ x ‚Cabernet Sauvignon‘.

Year of registration in the State Variety Book:

1975

Varietal characteristics:

Mature leaf: medium to large size, circular shape, flat profile of blade.

Bunch: medium size, loose.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: strong.

Resistance:

Variety resistant to Botrytis, moderately resistant to downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: medium to high.



Wine:

Wine of very good quality, intense deep ruby colour, fruity and herbal aroma and taste, full-bodied, high in tannins, with delicate aromatic character.

Holding institution:

Ing. Alois Tománek

Ing. Pavel Mayer

Šlechtitelská stanice vinařská, s.r.o. Polešovice.

Clones:

BO 16/16; RT 1; RT 2; RT 4; RT 5; RT 6; RT 9: year 2019.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	medium / late	6
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium / high	6
Sugar content of must	medium	5



ANDRÉ (An)

Medium to late ripening black wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Wine growing region of Morava, crossing „Frankovka“ x „Svatovavřinecké“.

Year of registration in the State Variety Book:

1980

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, flat profile of blade.

Bunch: small to medium size, dense.

Berry: small, globose shape. Blue-black colour of skin.

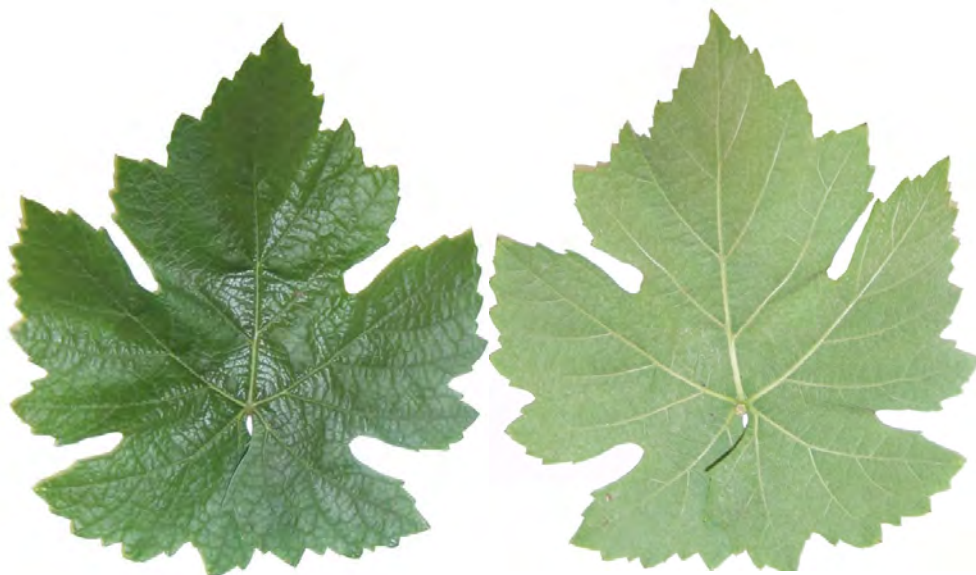
Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety resistant to Botrytis, less resistant to downy mildew and resistant to powdery mildew. Resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: medium to high.



Wine:

Wine of very good quality, deep ruby colour, fruity aroma and taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	medium / late	6
Blossom drop	low / none	8
Vigour of shoot growth	weak / medium	4
Grape yield	medium / high	6
Sugar content of must	medium / high	6



ARIANA (Ar)

Medium ripening black wine grape variety, the grapes reach full maturity in late September or early October.

Origin:

Wine growing region of Morava, crossing (,Ryzlink rýnský' x ,Svatovavřínecké') x ,Zweigeltrebe'.

Year of registration in the State Variety Book:

2001

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, circular shape, V-shaped profile of blade.

Bunch: medium size, dense.

Berry: medium size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: medium to high.



Wine:

Wine of very good quality, deep ruby to purple colour, fruity and spicy aroma and taste, soft, harmonious, low in tannins, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	medium / high	6
Sugar content of must	medium / high	6



AURELIUS (Au)

Medium ripening white wine grape variety, the grapes reach full maturity in mid-September or early October.

Origin:

Wine growing region of Morava, crossing „Neuburské“ x „Ryzlink rýnský“.

Year of registration in the State Variety Book:

1983

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape, V-shaped profile of blade.

Bunch: small to medium size, medium density to dense.

Berry: small size, globose shape. Green yellow colour of skin.

Resistance:

Variety is less resistant to Botrytis, moderately resistant to downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: high to very high.



Wine:

Wine of great quality, lemon green colour, fruity and spicy aroma and taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	low / medium	4
Sugar content of must	high / very high	8



AUXERROIS (Ax)

Medium ripening white wine grape variety, the grapes reach full maturity in late September or early October.

Origin:

Originated in France, derived from a 'Heunisch'.

Year of registration in the State Variety Book:

2004

Varietal characteristics:

Mature leaf: medium to large size, circular shape, flat-shaped profile of blade.

Bunch: small size, medium density.

Berry: small to medium size, globose shape. Yellow-green colour of skin.



Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew.

Resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of great quality, lemon green colour, floral and nutty aroma and taste, harmonious, with neutral to delicate aromatic character.

Holding institution:

Výzkumný ústav rostlinné výroby, v.v.i.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	low / none	8
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	high	7



BLAUBURGER (BI)

Medium ripening black wine grape variety, the grapes reach full maturity in late September or early October.

Origin:

Austria, crossing ‚Modrý Portugal‘ x ‚Frankovka‘.

Year of registration in the State Variety Book:

2011

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: medium size, medium density.

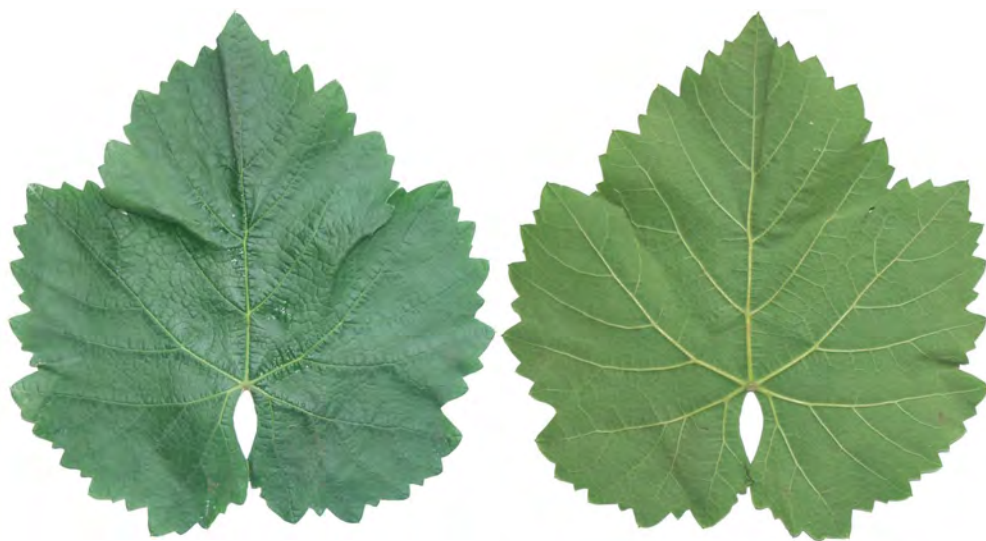
Berry: small to medium size, globose shape profile. Blue-black colour of skin. Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: medium to high.



Wine:

Wine of great quality, deep ruby colour, fruity and herbal aroma and taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

Ing. Pavel Mayer

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	medium / strong	6
Grape yield	medium / high	6
Sugar content of must	medium / high	6



CABERNET CORTIS (CC)

Medium to late ripening black wine grape variety, the grapes reach full maturity in early October.

Origin:

Germany, crossing ,Cabernet Sauvignon' x ,Solaris'.

Year of registration in the State Variety Book:

2013

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, medium density.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent.

Resistance:

Variety resistant to Botrytis, moderately resistant to downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: very high.



Wine:

Wine of great quality, deep ruby colour, fruity, spicy and smoky taste, fruity and smoky aromas, full-bodied, with a lingering finish and delicate aromatic character.

Holding institution:

Staatliches Weinbauinstitut Freiburg
Represented in CZ by VERITAS spol. s r.o.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium / late	6
Blossom drop	medium / low	6
Vigour of shoot growth	medium	5
Grape yield	low	3
Sugar content of must	very high	9



CABERNET DORSA (CD)

Medium to late ripening black wine grape variety, the grapes reach full maturity in late September or early October.

Origin:

Germany, crossing ‚Dornfelder‘ x ‚Cabernet Sauvignon‘.

Year of registration in the State Variety Book:

2011

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape.

Bunch: medium size, medium density.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.



Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: high or very high.



Wine:

Wine of great quality, deep ruby to purple colour, fruity aroma and taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

VERITAS spol. s r.o.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	medium / late	5
Blossom drop	low / none	8
Vigour of shoot growth	medium / strong	6
Grape yield	low / medium	4
Sugar content of must	high / very high	8



CABERNET MORAVIA (CM)

Late ripening black wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Wine growing region of Morava, crossing ‚Zweigeltrebe‘ x ‚Cabernet Franc‘.

Year of registration in the State Variety Book:

2001

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium to large size, circular shape, V-shaped profile of blade.

Bunch: medium size, medium density to dense.

Berry: medium size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety resistant to Botrytis, moderately resistant to downy mildew and powdery mildew. Resistant to blossom drop.

Yield:

Yield of grapes: high, sugar content of must: medium to high.



Wine:

Wine of very good quality, deep ruby colour, herbal and fruity aroma and taste, full-bodied, harmonious, with aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

MV-28: year 2012

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late	7
Blossom drop	low / none	8
Vigour of shoot growth	medium	5
Grape yield	high	7
Sugar content of must	medium / high	6



CABERNET SAUVIGNON (CS)

Late to very late ripening black wine grape variety, the grapes reach full maturity in late October or early November.

Origin:

France, probably crossing ,Cabernet Franc' x ,Sauvignon'.

Year of registration in the State Variety Book:

1980

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, flat profile of blade.

Bunch: small to medium size, medium density.

Berry: small size, globose. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. It is moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: high to very high



Wine:

Wine of great quality, deep ruby to purple colour, herbal and spicy aroma and taste, with aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	late / very late	8
Blossom drop	medium / low	6
Vigour of shoot growth	medium	5
Grape yield	low	3
Sugar content of must	high / very high	8



CERASON (Ce)

Late to very late ripening black wine grape variety, the grapes reach full maturity in late October to early November.

Origin:

Wine region of Morava, crossing (,Merlot' x ,Seibel 13.666') x (,Frankovka' x ,Svatovavřinecké').

Year of registration in the State Variety Book:

2008

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium size, circular shape, twisted profile of blade.

Bunch: small to medium size, medium density.

Berry: small size, globose profile. Blue-black colour of skin.

Anthocyanin colouration of flesh: weak.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: high.



Wine:

Wine of great quality, deep ruby to purple colour, fruit and herbal aroma and taste, with delicate aromatic character.

Holding institution:

Vilém Kraus

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	late / very late	8
Blossom drop	medium / low	6
Vigour of shoot growth	weak / medium	4
Grape yield	low / medium	4
Sugar content of must	high	7



DĚVÍN (De)

Medium to late ripening white wine grape variety, the grapes reach full maturity in early October.

Origin:

Slovakia, crossing ,Tramín červený' x ,Veltlínské červenobílé'.

Year of registration in the State Variety Book:

1998

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, flat profile of blade.

Bunch: small size, medium density.

Berry: small size, broad ellipsoid shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of very good quality, lemon-green colour, spicy and fruit aroma and taste, with delicate aromatic character.

Holding institution:

Národné poľnohospodárske a potravinárske centrum, Lužiaci, Slovensko

Clones:

No clones registered.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	medium / late	6
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	high	7



DORNFELDER (Dr)

Medium ripening black variety, the grapes reach full maturity in late September or early October.

Origin:

Germany, crossing ‚Helfensteiner‘ x ‚Heroldrebe‘.

Year of registration in the State Variety Book:

2004

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape, flat profile of blade.

Bunch: large size, loose to medium density.

Berry: medium size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of very good quality, deep ruby to purple colour, fruity and nutty aroma and taste, full-bodied, with a long finish and delicate aromatic character.

Holding institution:

Vilém Kraus
Ing. Alois Tománek
Vinofrukt, a.s.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	medium / strong	6
Grape yield	medium	5
Sugar content of must	medium / high	6



ERILON (Eri)

Late to very late ripening white wine grape variety, the grapes reach full maturity in late October.

Origin:

Wine region of Morava, crossing (,Frankovka' x ,Cabernet Franc') x (,Merlot' x ,Seibel 13.666').

Year of registration in the State Variety Book:

2011

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium size, circular shape.

Bunch: medium to large size, medium density to dense.

Berry: medium size, globose shape. Yellow green colour of skin.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: high, sugar content of must: high.



Wine:

Wine of great quality, lemon green colour, fruity and flower aroma, fruity taste, fresh, with delicate aromatic character.

Holding institution:

Vilém Kraus

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late / very late	8
Blossom drop	low / none	8
Vigour of shoot growth	medium / high	6
Grape yield	high	7
Sugar content of must	high	7



FLORIANKA (FI)

Early to medium ripening white wine grape variety, the grapes reach full maturity in mid-September.

Origin:

Wine region of Morava, crossing 'Veltlínské červené rané' x 'Müller Thurgau'.

Year of registration in the State Variety Book:

2010

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: small to medium size, medium density to dense.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of great quality, lemon green colour, fruity aroma and taste, full-bodied, fresh, with delicate aromatic character.

Holding institution:

Radim Masařík

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early / medium	4
Blossom drop	low / none	8
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	high	7



FRANKOVKA (Fr)

Late ripening black wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Probably Austrian or Croatian, crossing ‚Heunisch‘.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: large size, pentagonal shape, flat profile of blade.

Bunch: medium size, medium density.

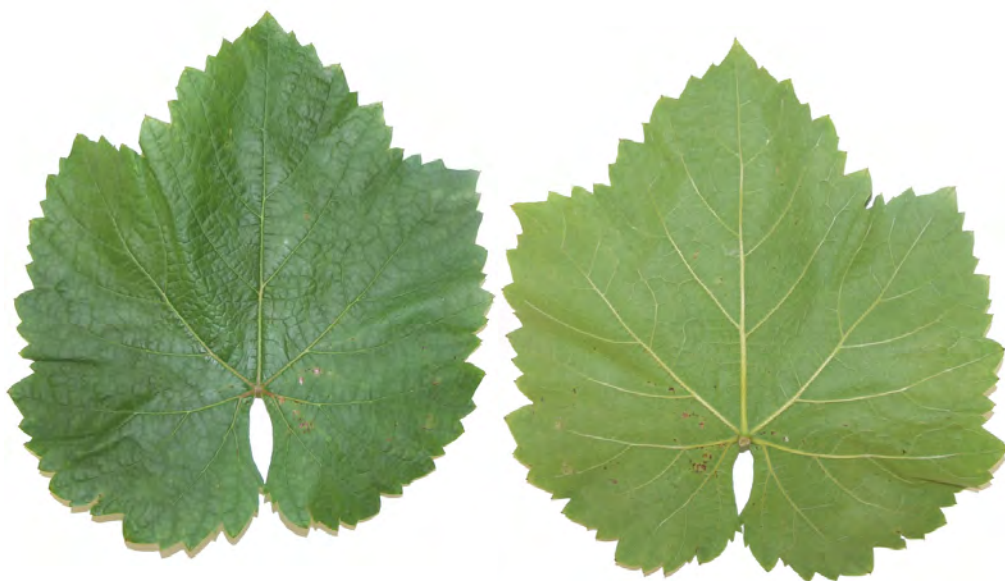
Berry: small to medium size, globose shape. Blue-black colour of skin. Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis, downy mildew, and powdery mildew. Variety resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: medium to high.



Wine:

Wine of good quality, deep ruby colour, herbal and fruity aroma, fruity and spicy taste, full-bodied, with higher acidity and tannin levels and with delicate aromatic character.

Holding institution:

Ing. Alois Tománek

Doc. Ing. Miloš Michlovský, CSc.

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Vinofrukt, a. s.

Clones:

PO-22/4; PO-275/i; PO-281/E; VP-6/5; VP-14/4: year 1988

PO-271/B; VP-11/3: year 2006

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	late	7
Blossom drop	low / none	8
Vigour of shoot growth	medium	5
Grape yield	medium / high	6
Sugar content of must	medium / high	6



FRATAVA (Ftv)

Late ripening black wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Wine region of Morava, crossing 'Frankovka' x 'Svatovavřinecké'.

Year of registration in the State Variety Book

2008

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape, twisted profile of blade.

Bunch: small to medium size, medium density to dense.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis, downy mildew, and powdery mildew. Resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of very good quality, ruby to deep ruby colour, fruity aroma and taste, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	late	7
Blossom drop	low / none	8
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	high	7



HIBERNAL (Hi)

Late to very late ripening wine grape variety, the grapes reach full maturity in late October.

Origin:

Germany, crossing (,Seibel 7053' x ,Ryzlink rýnský' clone 239 Gm) F2 generation.

Year of registration in the State Variety Book:

2004

Varietal characteristics:

Mature leaf: large size, cordate shape, flat profile of blade.

Bunch: small to medium size, dense.

Berry: small to medium size, globose shape.

Yellow-rose colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of great quality, straw lemon colour, fruity and herbal aroma, floral and herbal taste, full-bodied, harmonious, with long aftertaste, with aromatic to strong aromatic character.

Holding institution:

Forschungsanstalt Geisenheim, Fachgebiet Rebezüchtung und Rebeveredelung
Vilém Kraus
Vinofrukt, a.s.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	late / very late	8
Blossom drop	low / none	8
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	high	7



CHARDONNAY (Ch)

Medium ripening white wine grape variety, the grapes reach full maturity in late September or early October.

Origin:

Originated in France, probably a spontaneous crossing „Rulandské šedé“ x „Heunisch“.

Year of registration in the State Variety Book:

1987

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, V-profile of blade.

Bunch: small size, dense.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and less resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of great quality, straw lemon colour, fruity, floral and herbal aroma and taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Doc. Ing. Miloš Michlovský, CSc.

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

**Clones:**

PO-156/4; PO-158/7; PO-160/1; VP-155/6; VP-161/6: year 1994

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	medium	5
Blossom drop	medium / low	6
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	high	7



IRSAI OLIVER (IO)

Very early to early ripening white grape wine variety, the grapes reach full maturity in early September.

Origin:

Hungary, crossing ,Bratislavké bílé' x ,Čabaňská perla'.

Year of registration in the State Variety Book:

1972

Varietal characteristics:

Mature leaf: small size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, loose to medium density.

Berry: medium size, globose shape. Yellow colour of skin.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of good quality, lemon green colour, spicy and fruity aroma and taste, light-bodied, with a short finish and aromatic to strongly aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.
Ing. Alois Tománek

Clones:

ZN 113: year 2018



Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	very early / early	2
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	medium / high	6



JAKUBSKÉ (JAK)

Early to medium ripening black wine grape variety, the grapes reach full maturity in mid-September.

Origin:

Very old variety originated in France, a bud sport of, Pinot noir'.

Year of registration in the State Variety Book:

2011

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape.

Bunch: small size, medium density.

Berry: very small to small size, globose shape. Blue-black colour of skin. Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: medium to high.



Wine:

Wine of good quality, ruby colour, fruity aroma and taste, harmonious, light-bodied, with delicate aromatic character.

Holding institution:

VERITAS spol. s r.o.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early / medium	4
Blossom drop	medium / low	6
Vigour of shoot growth	weak / medium	4
Grape yield	low	3
Sugar content of must	medium / high	6



KERNER (Ke)

Medium ripening white wine grape variety, the grapes reach full maturity in early October.

Origin:

Germany, crossing ,Trolínské' x ,Ryzlink rýnský'.

Year of registration in the State Variety Book:

2001

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, flat profile of blade.

Bunch: small size, medium density.

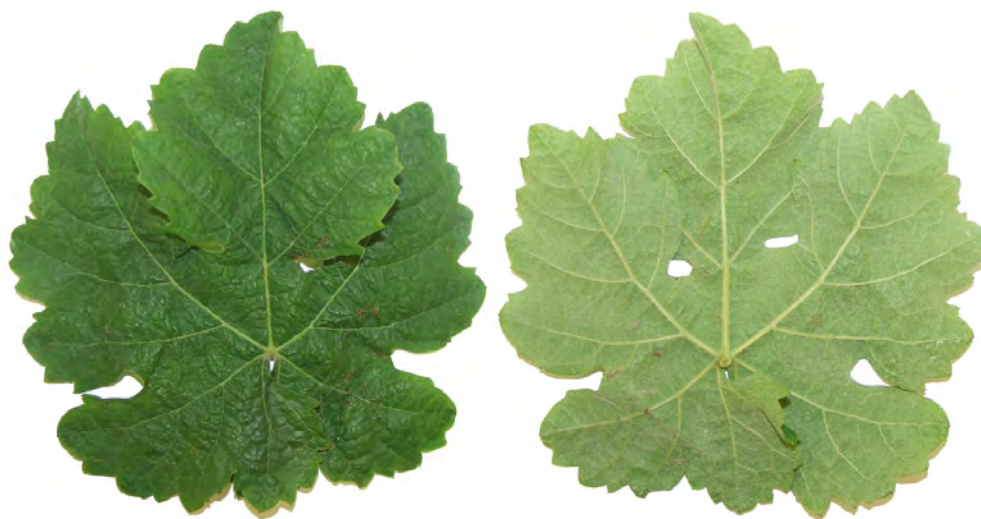
Berry: small to medium size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of very good quality, lemon green to lemon colour, spicy and fruity aroma and taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.
VINAŘSTVÍ MIKROSVÍN MIKULOV, a.s.
VÚRV Praha- Ruzyně, Výzkumná stanice vinařská, Karlštejn

Clones:

No clones are registered.



Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	high	7



KOFRANKA (Kof)

Late to very late ripening black wine grape variety, the grapes reach full maturity in late October.

Origin:

Wine region of Morava, crossing (,Merlot' x ,Seibel 13.666') x (,Frankovka' x ,Svatovavřinecké').

Year of registration in the State Variety Book:

2011

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, circular shape.

Bunch: small to medium size, medium density.

Berry: small size, globose shape. Blue-black colour of skin.

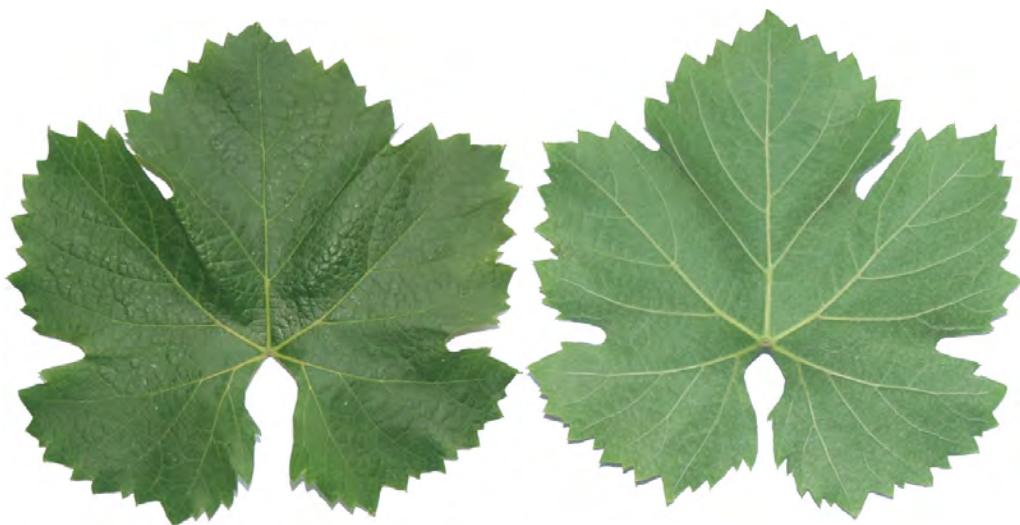
Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety is resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: high.



Wine:

Wine of great quality, deep ruby colour, fruity aroma and taste, full-bodied, with delicate aromatic character.

Holding institution:

Vilém Kraus

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late / very late	8
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	medium / high	6
Sugar content of must	high	7



LAUROT (La)

Late ripening black wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Wine region of Morava, a cross of (,Merlot' x ,Seibel 13.666') x (,Frankovka' x ,Svatovavřinecké').

Year of registration in the State Variety Book:

2004

Variety rights are protected under Act No.

408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, twisted profile of blade.

Bunch: medium size, loose.

Berry: small to medium size, globose shape. Blue-black colour of skin. Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of great quality, deep ruby to purple colour, herbal and fruity aroma and taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	late	7
Blossom drop	low	7
Vigour of shoot growth	weak	3
Grape yield	medium	5
Sugar content of must	medium / high	6



LENA (Le)

Early to medium ripening white wine grape variety, the grapes reach full maturity in mid-September.

Origin:

Wine region of Morava, crossing ,Lipovina' x ,Irsai Oliver'.

Year of entry in the State Variety Book:

2001

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, loose to medium density.

Berry: small to medium size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: medium to high.



Wine:

Wine of very good quality, straw lemon to lemon colour, fruity and floral aroma, fruity and caramel taste, fresh, harmonious, with aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	early / medium	4
Blossom drop	medium / low	6
Vigour of shoot growth	medium	5
Grape yield	low / medium	4
Sugar content of must	medium / high	6



MALVERINA (Mal)

Late to very late ripening white wine grape variety, the grapes reach full maturity in late October.

Origin:

Wine region of Morava, crossing ,Rakiš' x ,Merlan' i.e. (,Seyve Villard 12.375' x ,Veltlínské červené rané') x (,Merlot' x ,Seibel 13.666').

Year of registration in the State Variety Book:

2001

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, V-shaped profile of blade.

Bunch: small to medium size, medium density to dense.

Berry: small to medium size, broad ellipsoid shape.

Yellow-rose colour of skin.

Resistance:

Variety moderately resistant to Botrytis, resistant to downy mildew and powdery mildew. Less resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of very good quality, lemon colour, herbal and spicy flavour, harmonious, full-bodied, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late / very late	8
Blossom drop	medium / low	6
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	high	7



MEDEA (Med)

Medium to late ripening white wine grape variety, the grapes reach full maturity in early October.

Origin:

Wine region of Morava, crossing ,Müller Thurgau' x ,Tramín červený'.

Year of registration in the State Variety Book:

2014

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, circular shape, flat shape of blade.

Bunch: small size, dense.

Berry: small size, broad ellipsoid shape. Rose colour of skin.

Resistance:

Variety resistant to Botrytis and moderately resistant to powdery mildew and downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: high to very high.



Wine:

Wine of great quality, lemon green colour, fruity and spicy taste, floral and fruity aroma, fresh, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	medium /late	6
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	low / medium	4
Sugar content of must	high / very high	8



MERLOT (Me)

Late to very late ripening black wine grape variety, the grapes reach full maturity in late October.

Origin:

France, the exact parentage is unknown.

Year of registration in the State Variety Book:

2001

Varietal characteristics:

Mature leaf: large size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, loose.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin coloration of flesh: absent or very weak.



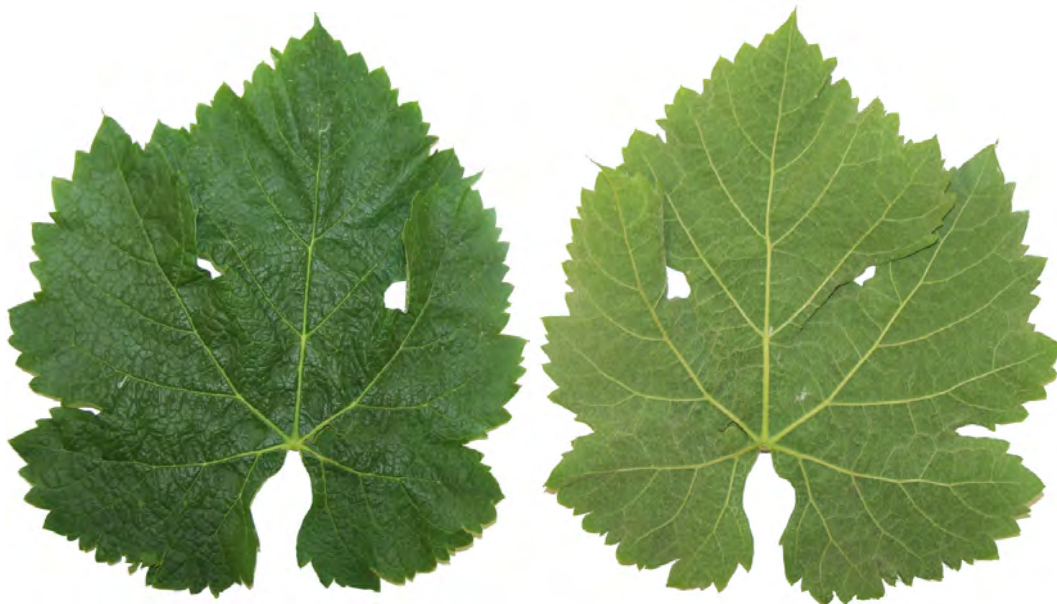
Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Variety susceptible to blossom drop.



Yield:

Yield of grapes: medium, sugar content of must: high to very high.



Wine:

Wine of great quality, ruby to deep ruby colour, fruity and floral aroma and taste, round, harmonious, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Doc. Ing. Miloš Michlovský, CSc.

VINAŘSTVÍ MIKROSVÍN MIKULOV, a.s.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late / very late	8
Blossom drop	strong	3
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	high / very high	8



MERY (Mr)

Medium ripening white wine grape variety, the grapes reach full maturity in late September.

Origin:

Wine region of Morava, crossing ,EC 28' x ,Muškát moravský'.

Year of registration in the State Variety Book:

2015

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: medium to large size, medium density to dense.

Berry: medium size, globose shape. Yellow colour of skin.

Resistance:

Variety moderately resistant to Botrytis and powdery mildew and moderately resistant to resistant to downy mildew. Resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of very good quality, lemon green colour, with delicate aromatic character. The wine has fruity and floral aroma with predominant fresh fruity taste.

Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	low / none	8
Vigour of shoot growth	medium / strong	6
Grape yield	medium	5
Sugar content of must	medium / high	6



MODRÝ PORTUGAL (MP)

Medium ripening black wine grape variety, the grapes reach full maturity in late September.

Origin:

Unclear.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, medium density to dense.

Berry: medium size, globose shape. Blue-black colour of skin. Anthocyanin coloration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, less resistant to powdery mildew. Resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: medium to high.



Wine:

Wine of good quality, ruby colour, herbal, fruity and floral aroma and taste, light-bodied, harmonious, with neutral to delicate aromatic character.

Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

VÚRV Praha-Ruzyně, Výzkumná stanice vinařská, Karlštejn

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

**Clones:**

KA-20/52: year 1991

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	low / none	8
Vigour of shoot growth	medium / strong	6
Grape yield	medium / high	6
Sugar content of must	medium / high	6



MÜLLER THURGAU (MT)

Early to medium ripening white wine grape variety, the grapes reach full maturity in mid-September.

Origin:

Germany, crossing ,Ryzlink rýnský' x ,Madlenka královská'.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, twisted-shaped profile of blade.

Bunch: medium size, medium density.

Berry: small to medium size, broad ellipsoid shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and powdery mildew, less resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: medium.



Wine:

Wine of good quality, lemon green to lemon colour, fruity, herbal and spicy aroma and taste, harmonious, light-bodied, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

VÚRV Praha-Ruzyně, Výzkumná stanice vinařská, Karlštejn

Vinofrukt, a.s.

Clones:

KA-23/37; KA-25/7; KA- 43/25; PO-2/15; PO-5/12: year 1990

KA-26/19; KA-30/34: year 2012

ZN 24: year 2018



Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early / medium	4
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium / high	6
Sugar content of must	medium	5



MUŠKÁT MORAVSKÝ (MM)

Early ripening white wine grape variety, the grapes reach full maturity in mid-September.

Origin:

Wine region of Morava, crossing ,Muškát Ottonel' x ,Prachtraube'.

Year of registration in the State Variety Book:

1987

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, V-shaped profile of blade.

Bunch: small to medium size, medium density.

Berry: small to medium size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of very good quality, lemon colour, fruity and herbal aroma and taste, light-bodied, with short finish and aromatic to strong aromatic character.

Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early	3
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	medium / high	6



MUŠKÁT OTTONEL (MO)

Medium ripening white wine grape variety, the grapes reach full maturity in late September.

Origin:

France, crossing 'Chrupka' and 'Muškát žlutý'.

Year of registration in the State Variety Book:

1952

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, flat profile of blade.

Bunch: small to medium size, medium density to dense.

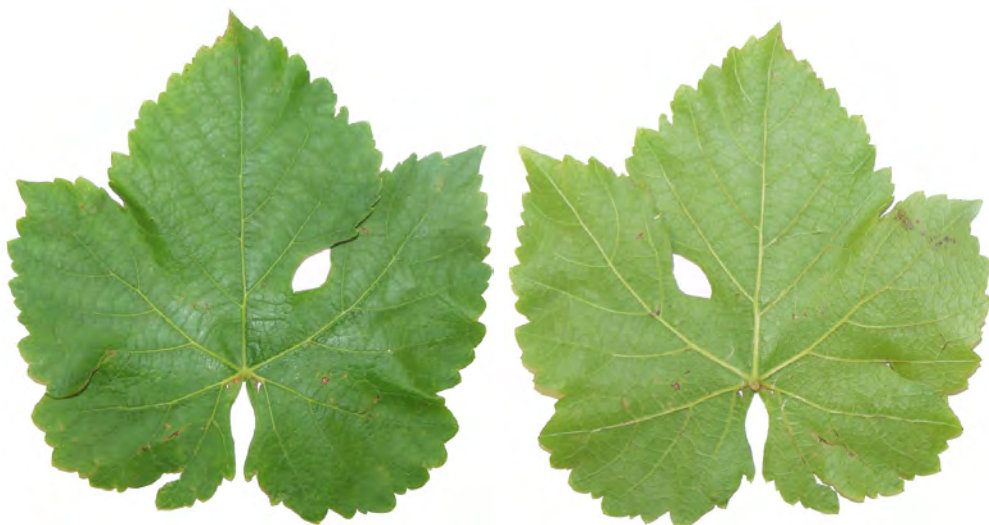
Berry: medium size, globose shape. Yellow-green colour of skin.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of very good quality, straw lemon colour, fruity, floral and herbal aroma and taste, light-bodied, short, with aromatic to strong aromatic character.

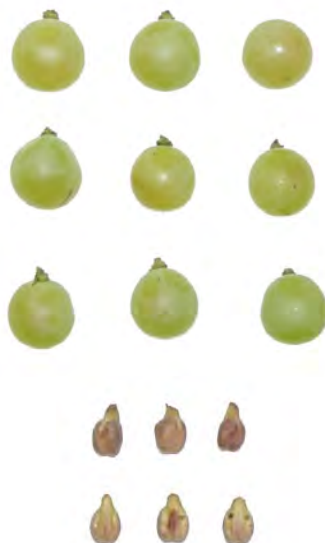
Holding institution:

Doc. Ing. Miloš Michlovský, Csc.
Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Clones:

PE-1/10; PE-2/1; PE-4/15; PE-5/4: year 1988

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	medium / high	6



NATIVA (Nat)

Late ripening black wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Wine region of Morava, crossing (,Frankovka' x ,Svatovavřinecké') x (,Merlot' x ,Seibel 13.666').

Year of registration in the State Variety Book:

2010

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, medium density to dense.

Berry: small size, globose shape. Blue-black colour of skin.

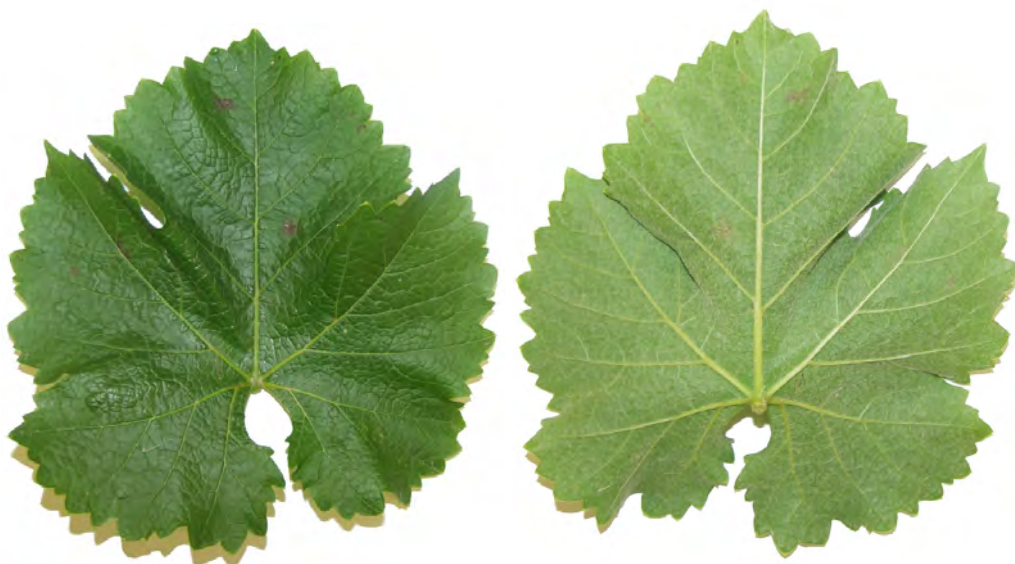
Anthocyanin coloration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium.



Wine:

Wine of great quality, deep ruby to purple colour, fruity and floral aroma, fruity and spicy taste, harmonious, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	late	7
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	medium	5



NERONET (Ne)

Medium to late ripening black wine grape variety, the grapes reach full maturity in early October.

Origin:

Wine region of Morava, crossing (,Svatovavřinecké' x ,Modrý Portugal') x ,Alibernet'.

Year of registration in the State Variety Book:

1991

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, flat profile of blade.

Bunch: medium size, medium density to dense.

Berry: small size, broad ellipsoid shape. Blue-black colour of skin. Anthocyanin coloration of flesh: strong.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of very good quality, deep ruby to purple colour, herbal and floral aroma and taste, full-bodied, harmonious, with neutral to delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Vinofrukt, a.s.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium / late	6
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	medium / high	6



NEUBERSKÉ (Ng)

Medium ripening white wine grape variety, the grapes reach full maturity in early October.

Origin:

Austria, accidental crossing.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, V-shaped profile of blade.

Bunch: small to medium size, dense.

Berry: small to medium size, globose shape. Yellow-green colour of skin.

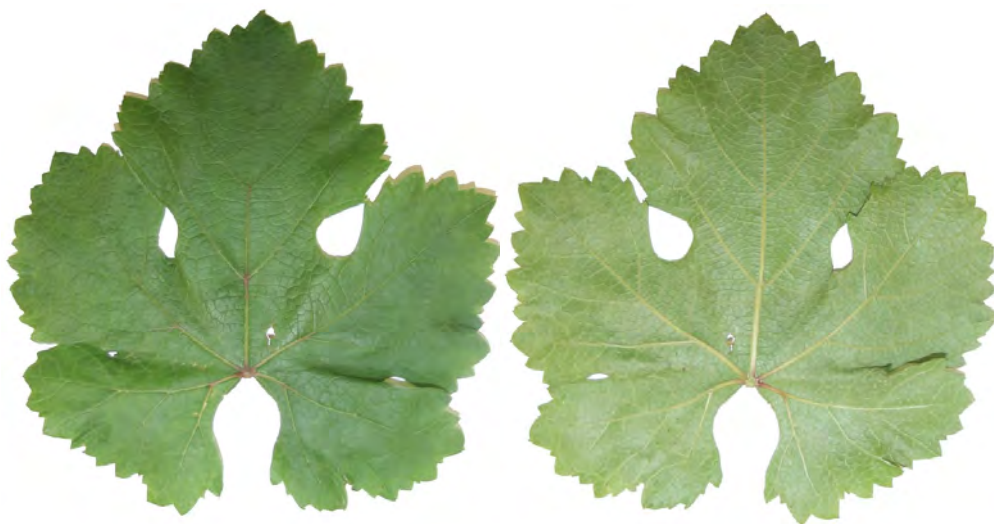
Resistance:

Variety moderately resistant to Botrytis and downy mildew and moderately resistant to resistant to powdery mildew.

Variety less resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: medium to high.



Wine:

Wine of good quality, straw lemon to lemon colour, fruity and spicy aroma, fruity and nutty taste, light-bodied, harmonious, with neutral to delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

**Clones:**

BO 22/23; ZN 1: year 2019

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	medium	5
Vigour of shoot growth	weak / medium	4
Grape yield	low / medium	4
Sugar content of must	medium / high	6



PÁLAVA (Pa)

Late ripening white wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Wine region of Morava, crossing ,Tramín červený' x ,Müller Thurgau'.

Year of registration in the State Variety Book:

1977

Varietal characteristics:

Mature leaf: small to medium size, circular shape, V-shaped profile of blade.

Bunch: small to medium size, medium density.

Berry: small size, globose shape. Rose colour of skin.

Resistance:

Variety resistant to Botrytis, moderately resistant to downy mildew and powdery mildew. Resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: very high.



Wine:

Wine of great quality, lemon colour, fruity, floral and spicy aroma and taste, full-bodied, harmonious, long, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Doc. Ing. Miloš Michlovský, CSc.

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Vinofrukt, a.s.

Clones:

177/5: year 1992

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late	7
Blossom drop	low / none	8
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	very high	9



RINOT (Ri)

Medium ripening white wine grape variety, the grapes reach full maturity in late September.

Origin:

Wine region of Morava, crossing (,Merzling' x ,Seyve Villard') x ,Rulandské šedé'.

Year of registration in the State Variety Book:

2008

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape, flat-shaped profile of blade.

Bunch: medium to large size, loose to medium density.

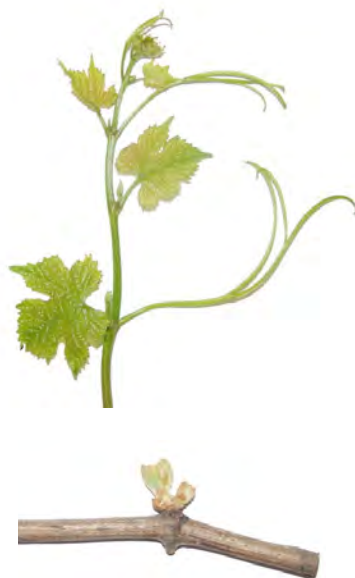
Berry: small size, round-shaped profile. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: high to very high.



Wine:

Wine of great quality, lemon green colour, fruity and herbal aroma and taste, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	low	3
Sugar content of must	high / very high	8



RUBINET (Ru)

Medium ripening black wine grape variety, the grapes reach full maturity in late September or early October.

Origin:

Wine region of Morava, crossing (,Revolta' x ,Alibernet') x ,André'.

Year of registration in the State Variety Book:

2004

Varietal characteristics:

Mature leaf: small size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, loose to medium density.

Berry: small to medium size, broad ellipsoid shape. Blue-black colour of skin. Anthocyanin colouration of flesh: very strong.



Resistance:

Variety moderately resistant to Botrytis and downy mildew, and resistant to powdery mildew. Moderately resistant to blossom drop.



Yield:

Yield of grapes: low to medium, sugar content of must: medium to high.



Wine:

Wine of great quality, deep ruby to purple colour, herbal and fruity aroma and taste, with delicate aromatic character.

Holding institution:

Vilém Kraus

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	medium	5
Blossom drop	medium / low	6
Vigour of shoot growth	medium / strong	6
Grape yield	low / medium	4
Sugar content of must	medium / high	6



RULANDSKÉ BÍLÉ (RB)

Medium to late ripening white wine grape variety, the grapes reach full maturity in early October.

Origin:

France, a bud sport of 'Pinot'.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, V-shaped profile of blade.

Bunch: small size, medium density to dense.

Berry: small to medium size, globose shape. Yellow-green colour of skin.



Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.



Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of great quality, lemon green to lemon colour, floral aroma, fruity, floral and nutty taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Vinofrukt, a.s.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium / late	6
Blossom drop	medium / low	6
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	high	7



RULANDSKÉ MODRÉ (RM)

Medium to late ripening black wine grape variety, the grapes reach full maturity in early October.

Origin:

France, probably crossing ,Mlynářky' x ,Tramín' or a bud sport of ,Pinot'.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, V-shaped profile of blade.

Bunch: small size, dense.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: high.



Wine:

Wine of great quality, ruby to brick red colour, fruity aroma, fruity and smoky taste, full-bodied, harmonious, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Vinofrukt, a.s.

Clones:

PO-20; PO-22: year 1991

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium / late	6
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	low / medium	4
Sugar content of must	high	7



RULANDSKÉ ŠEDÉ (RŠ)

Late ripening white wine grape variety, the grapes reach full maturity in mid-October.

Origin:

France, a bud sport of ,Pinot'.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: small to medium size, round shape, V-shaped profile of blade.

Bunch: small size, dense.

Berry: small size, globose shape. Grey-red colour of skin.

Resistance:

Variety moderately resistant to Botrytis, less resistant to downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: high to very high.



Wine:

Wine of great quality, straw lemon to lemon colour, fruity and floral aroma and taste, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Clones:

PO-49/207; PO-V-2: year 1985

PO-68/28: year 2012

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late	7
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	low / medium	4
Sugar content of must	high / very high	8



RULENKA (RuI)

Medium to late ripening white wine grape variety, the grapes reach full maturity in late September

Origin:

Czech Republic, crossing (,Ruladské šedé' x ,Leanka') x ,Ryzlink rýnský'.

Year of registration in the State Variety Book:

2018

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: small size, dense.

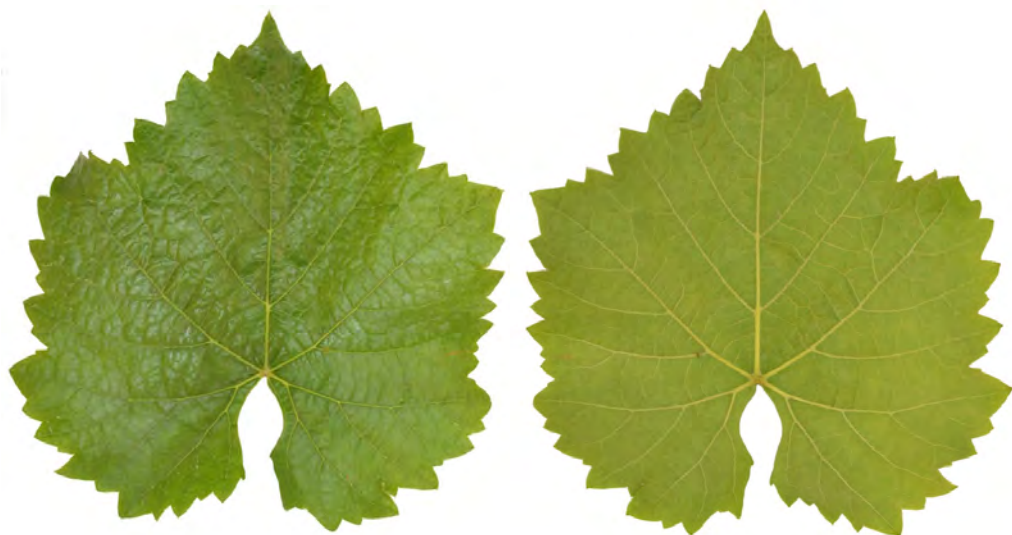
Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Resistant to blossom drop.

Yield:

Yield of grapes: very low to low, sugar content of must: high to very high.



Wine:

Wine of very good quality, lemon green colour, fruity to floral aroma, fruity to spice taste, harmonious, fresh, with delicate aromatic character.

Holding institution:

Vilém Kraus

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	medium / late	6
Blossom drop	low / none	8
Vigour of shoot growth	medium	5
Grape yield	very low / low	2
Sugar content of must	high / very high	8



RYZLINK RÝNSKÝ (RR)

Late ripening white wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Germany, probably crossing ,Heunisch' x ,Tramín'.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: small size, pentagonal shape, V-shaped profile of blade.

Bunch: small size, dense.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, less resistant to downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of great quality, lemon green to lemon colour, fruity, herbal and spicy aroma, herbal, spicy and mineral taste, full-bodied, fresh, with long finish, with delicate aromatic character.

Holding institution:

AMPELOS ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Doc. Ing. Miloš Michlovský, CSc.

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Vinofrukt, a.s.

Clones:

PO-27/5; PO-89/12; PO-90/12; VP-20/9; VP-23/9: year 1985

PO-100/G: year 2006



Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	late	7
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	medium / high	6



RYZLINK VLAŠSKÝ (RV)

Late ripening white wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Unclear, probably from France.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, flat profile of blade.

Bunch: small to medium size, dense.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of very good quality, lemon green colour, fruity, herbal and floral aroma and taste, full-bodied, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Doc. Ing. Miloš Michlovský, CSc.

Vinofrukt, a.s.

Clones:

PE-5/34; PE-5/44; PE-6/65; PE-7/71; PE-7/76: year 1985

RV – 1 DD; RV – 2 DD: year 2018

BO 3/1: year 2019

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	late	7
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	high	7



SAUVIGNON (Sg)

Medium to late ripening white wine grape variety, the grapes reach full maturity in early October.

Origin:

France, probably crossing ,Chenin blanc' x ,Tramín'.

Year of registration in the State Variety Book:

1952

Varietal characteristics:

Mature leaf: small size, pentagonal shape, V-shaped profile of blade.

Bunch: small size, dense.

Berry: small size, broad ellipsoid shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and powdery mildew and less resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: high to very high.



Wine:

Wine of great quality, straw lemon colour, fruity, herbal and spicy aroma and taste, with aromatic character.

Holding institution:

AMPELOS ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Doc. Ing. Miloš Michlovský, CSc.

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Vinofrukt, a.s.

Clones:

PE-6/5; PE-13/49; PE-13/67: year 1990

PE-5/15: year 2006

ZN 4; ZN 5: year 2018

ZN 6; ZN 7; ZN 8: year 2019

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	medium / late	6
Blossom drop	medium / low	6
Vigour of shoot growth	medium	5
Grape yield	low	3
Sugar content of must	high / very high	8



SAVILON (SvI)

Late to very late ripening white wine grape variety, the grapes reach full maturity in late October.

Origin:

Wine region of Morava, crossing ,Rakiš' x ,Merlan' i.e. (,Seyve Villard 12.375' x ,Veltlínské červené rané') x (,Merlot' x ,Seibel 13.666').

Year of registration in the State Variety Book:

2010

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: medium size, loose to medium density.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high to very high.



Wine:

Wine of great quality, lemon green colour, fruity and floral aroma, fruity taste, full-bodied, fresh, with delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.



Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late / very late	8
Blossom drop	medium / low	6
Vigour of shoot growth	medium / strong	6
Grape yield	medium	5
Sugar content of must	high / very high	8



SEVAR (Sev)

Medium ripening black wine grape variety, the grapes reach full maturity in late September.

Origin:

Wine region of Morava, crossing ,Seyve Villard 12/58' F1 x ,Svatovavřínecké' F1.

Year of registration in the State Variety Book:

2008

Varietal characteristics:

Mature leaf: small to medium size, circular shape, V-shaped profile of blade.

Bunch: small to medium size, medium density.

Berry: small size, globose shape. Blue-black colour of skin.

Anthocyanin colouration of flesh: weak.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: medium to high.



Wine:

Wine of great quality, ruby to deep ruby colour, fruity and floral aroma and taste, with aromatic character.

Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	low	3
Sugar content of must	medium / high	6



SVATOVAVŘINECKÉ (SV)

Medium to late ripening black wine grape variety, the grapes reach full maturity in early October.

Origin:

France, an offspring of 'Pinot Noir'.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, dense.

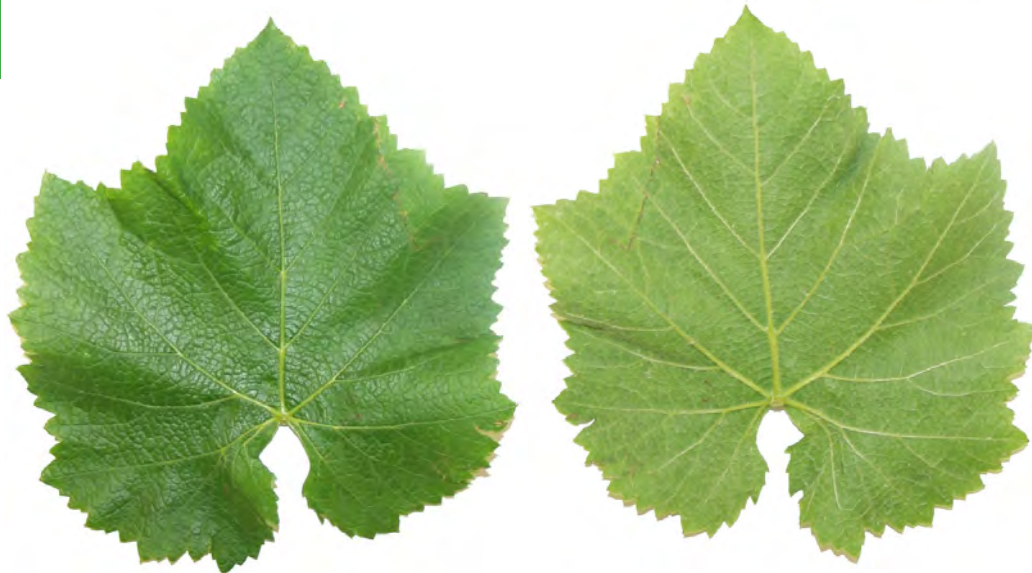
Berry: medium size, globose shape. Blue-black colour of skin. Anthocyanin coloration of flesh: absent or very weak.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of very good quality, deep ruby to violet colour, fruity and herbal aroma and taste, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

VÚRV Praha-Ruzyně, Výzkumná stanice vinařská, Karlštejn

Vinofrukt, a.s.

Clones:

KA-4/8; KA-4/10; KA-6/12; PO-7/5; PO 10/7: year 1989

KA-3/52: year 2012

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	medium / late	6
Blossom drop	medium / low	6
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	medium / high	6



SVOJSEN (Svj)

Late ripening white wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Wine region of Bohemia, crossing (,Rulandské šedé' x ,Leanka') x ,Ryzlink rýnský'.

Year of registration in the State Variety Book:

2015

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: small size, dense.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety resistant to downy mildew and powdery mildew, it is moderately resistant to Botrytis. Resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: high.



Wine:

Wine of great quality, lemon green colour, with delicate aroma. Typical aroma and taste of varietal wine: fruity or herbal. Fresh taste prevails; some vintages may produce harmonious and full-bodied wine.

Holding institution:

Vilém Kraus

Clones:

No clones are registered.



Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	late	7
Blossom drop	low / none	8
Vigour of shoot growth	medium	5
Grape yield	low / medium	4
Sugar content of must	high	7



SYLVÁNSKÉ ZELENÉ (SZ)

Medium ripening white wine grape variety, the grapes reach full maturity in early October.

Origin:

Austria, probably crossing ,Tramín' x ,Rakouské bílé'.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: small size, circular shape, V-shaped profile of blade.

Bunch: small size, medium density to dense.

Berry: medium size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of very good quality, lemon green colour, spicy and fruity aroma and taste, non-aromatic to delicate aromatic character.

Holding institution:

AMPELOS ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

VÚRV Praha-Ruzyně, Výzkumná stanice vinařská, Karlštejn

Vinofrukt, a.s.

Clones:

KA-38/23; KA-46/21; KA-60/25; KA-62/23; KA-64/14;

ZN-1/54: year 1991

KA-61/32: year 2012

ZN 101: year 2018

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	medium / high	7



TRAMÍN ČERVENÝ (TČ)

Late ripening white wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Unknown, probably Austria or South Tyrol.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: small size, circular shape, revolute profile shape of blade.

Bunch: small size, medium density.

Berry: small size, globose shape. Rose colour of skin.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: high to very high.



Wine:

Wine of great quality, straw lemon to lemon colour, floral and herbal aroma, floral and spicy taste, with delicate aromatic to aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

VÚRV Praha-Ruzyně, Výzkumná stanice vinařská, Karlštejn

Vinofrukt, a.s.

Clones:

PO-202/A: year 1985

PO-209/K: year 2012

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	late	7
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	low	3
Sugar content of must	high / very high	8



TRISTAR (Tri)

Medium to late ripening white wine grape variety, the grapes reach full maturity in early October.

Origin:

Wine region of Bohemia, crossing (,Ryzlink rýnský' x ,Sylvánské zelené') x ,Rulandské bílé'.

Year of registration in the State Variety Book:

2013

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small size, pentagonal shape, V-shaped profile of blade.

Bunch: small size, medium density to dense.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, less resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: high to very high.



Wine:

Wine of great quality, lemon green colour, fruity taste, floral and fruity aroma, harmonious, fresh, with delicate aromatic character.

Holding institution:

Ing. Jan Rucki

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium / late	6
Blossom drop	medium / low	6
Vigour of shoot growth	medium	5
Grape yield	low	3
Sugar content of must	high / very high	8



VELTLÍNSKÉ ČERVENÉ RANÉ (VČR)

Early to medium ripening white wine grape variety, the grapes reach full maturity in early September.

Origin:

Austria, accidental crossing 'Sylvánské zelené' x 'Veltlínské červené'.

Year of registration in the State Variety Book:

1952

Varietal characteristics:

Mature leaf: large size, pentagonal shape, flat profile of blade.

Bunch: small to medium size, medium density to dense.

Berry: small size, globose shape. Rose colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium to high.



Wine:

Wine of good quality, lemon green to lemon colour, fruity and spicy flavour, non-aromatic to delicate aromatic character.

Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

PO-1/10; PO-2/24; PO-3/15; PO-4/15; PO-4/30: year 1985

BO 18/19: year 2019

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early / medium	4
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	medium / high	6



VELTLÍNSKÉ ZELENÉ (VZ)

Late to very late ripening white wine grape variety, the grapes reach full maturity in late October.

Origin:

Probably Austria.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, V-shaped profile of blade.

Bunch: small to medium size, medium density.

Berry: small to medium size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, less resistant to downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium to high, sugar content of must: high.



Wine:

Wine of good quality, lemon green colour, fruity and herbal aroma, herbal and spicy taste, with delicate aromatic character.

Holding institution:

AMPELOS ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Doc. Ing. Miloš Michlovský, CSc.

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Clones:

VP-3/6; VP-4/10; VP-6/2; ZN-1/49; ZN-10/45: year 1987

ZN 1: year 2018

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late / very late	8
Blossom drop	medium / low	6
Vigour of shoot growth	weak / medium	4
Grape yield	medium / high	6
Sugar content of must	high	7



VERITAS (Ve)

Medium ripening white wine grape variety, the grapes reach full maturity in late September.

Origin:

Wine region of Morava, crossing ‚Ryzlink červený‘ x ‚Bouvierův hrozen‘.

Year of registration in the State Variety Book:

2001

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, flat profile of blade.

Bunch: small size, medium density to dense.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety less resistant to Botrytis, moderately resistant to downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high.



Wine:

Wine of very good quality, lemon green to lemon colour, fruity aroma, fruity and floral taste, full-bodied, fresh, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	medium	5
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	high	7



VESNA (Ves)

Late ripening white wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Wine region of Morava, crossing ,Rakiš' x ,Merlan' i.e. (,Seyve Villard 12.375' x ,Veltlínské červené rané') x (,Merlot' x ,Seibel 13.666').

Year of registration in the State Variety Book:

2012

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: medium to large size, medium density.

Berry: small size, globose shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: high to very high.



Wine:

Wine of great quality, lemon green to lemon colour, fruity taste, fruity and floral aroma, full-bodied, fresh, round, with long finish and delicate aromatic character.

Holding institution:

Doc. Ing. Miloš Michlovský, CSc.

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	late	7
Blossom drop	low	7
Vigour of shoot growth	medium / strong	6
Grape yield	medium	5
Sugar content of must	high / very high	8



VRBOSKA (Vr)

Very early to early ripening white wine grape variety, the grapes reach full maturity in early September.

Origin:

Wine region of Morava, crossing ,Tramín červený' x ,Čabaňská perla'.

Year of registration in the State Variety Book:

2004

Variety rights are protected under Act No. 408/2000 Coll. on plant variety rights protection.

Varietal characteristics:

Mature leaf: small to medium size, pentagonal shape, flat shape of profile.

Bunch: medium size, medium density.

Berry: medium size, globose shape. Rose colour of skin.

Resistance:

Variety moderately resistant to Botrytis, resistant to downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: medium to high.



Wine:

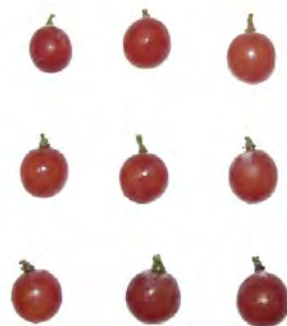
The variety is intended for the production of partially fermented wine that achieves great quality, lemon green to pinkish undertone colour. Wine of good quality, herbal and spicy aroma and taste, with delicate aromatic character.

Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO,
s.r.o.

Clones:

No clones are registered.



Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	very early / early	2
Blossom drop	low	7
Vigour of shoot growth	medium	5
Grape yield	low	3
Sugar content of must	medium / high	6



ZWEIGELTREBE (ZW)

Late ripening black wine grape variety, the grapes reach full maturity in mid-October.

Origin:

Austria, crossing „Svatovavřinecké’ x „Frankovka’.

Year of registration in the State Variety Book:

1980

Varietal characteristics:

Mature leaf: medium size, pentagonal shape, V-shaped profile of blade.

Bunch: medium size, dense.

Berry: small to medium size, globose shape. Blue-black colour of skin. Anthocyanin coloration of flesh: absent or very weak.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: high, sugar content of must: high to very high.



Wine:

Wine of very good quality, deep ruby to violet colour, fruity and spicy flavour, with delicate aromatic character.

Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Šlechtitelská stanice vinařská Velké Pavlovice, a.s.

Clones:

PO-36/32; PO-36/41; PO-36/46; PO-37/33;

PO-37/42: year 2012

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	late	7
Blossom drop	low	7
Vigour of shoot growth	weak / medium	4
Grape yield	high	7
Sugar content of must	medium / high	6



TABLE GRAPE VARIETIES

ARKADIA (Ark)

Early to medium-late ripening table grape variety, the grapes reach full maturity in mid-September.

Origin:

Ukraine, crossing 'Moldova' x 'Kardinal'.

Year of registration in the State Variety Book:

2001

Varietal characteristics:

Mature leaf: large size, circular shape.

Bunch: large size, medium density.

Berry: large to very large size, ovoid shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: medium.



Holding institution:

Ing. Alois Tománek

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early / medium	4
Blossom drop	medium	5
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	medium	5



DIAMANT (Di)

Early to medium ripening table grape variety, the grapes reach full maturity in mid-September.

Origin:

Slovakia, crossing „Julski Biser“ x „Pannonia Kincse“.

Year of registration in the State Variety Book:

1998

Varietal characteristics:

Mature leaf: large size, pentagonal shape.

Bunch: large size, loose to medium density.

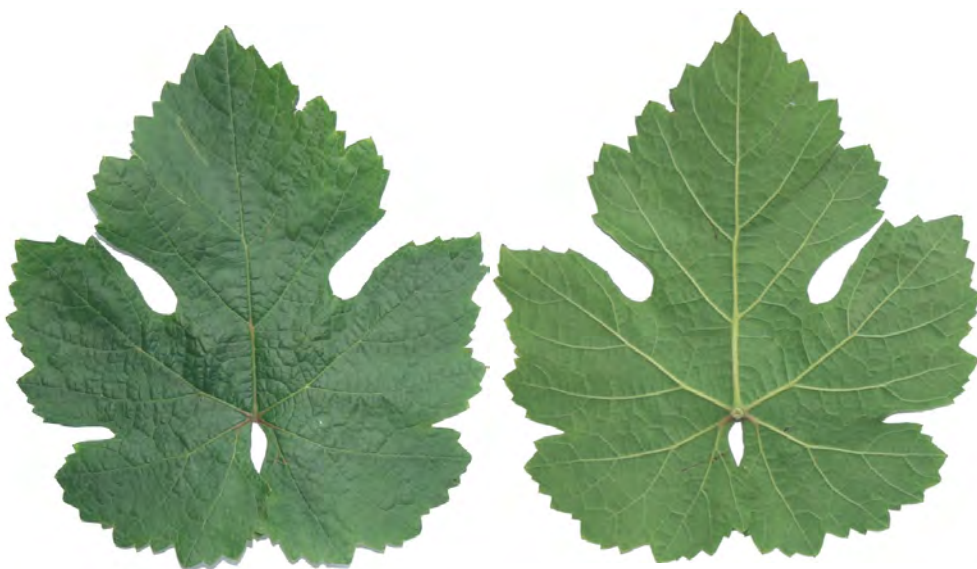
Berry: large size, ellipsoid shape. Yellow-green colour of skin.

Resistance:

Variety with moderate resistance to Botrytis and downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: medium.



Holding institution:

Národné poľnohospodárske centrum potravinárske centrum,
Lužiaci, Slovensko

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	medium	5
Harvest maturity	early / medium	4
Blossom drop	medium	5
Vigour of shoot growth	weak / medium	4
Grape yield	low / medium	4
Sugar content of must	medium	5



CHRUPLA BÍLÁ (CHB)

Medium ripening table grape variety, the grapes reach full maturity in late September.

Origin:

Probably originated in Egypt or Asia Minor, later introduced to France.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: medium size, medium density.

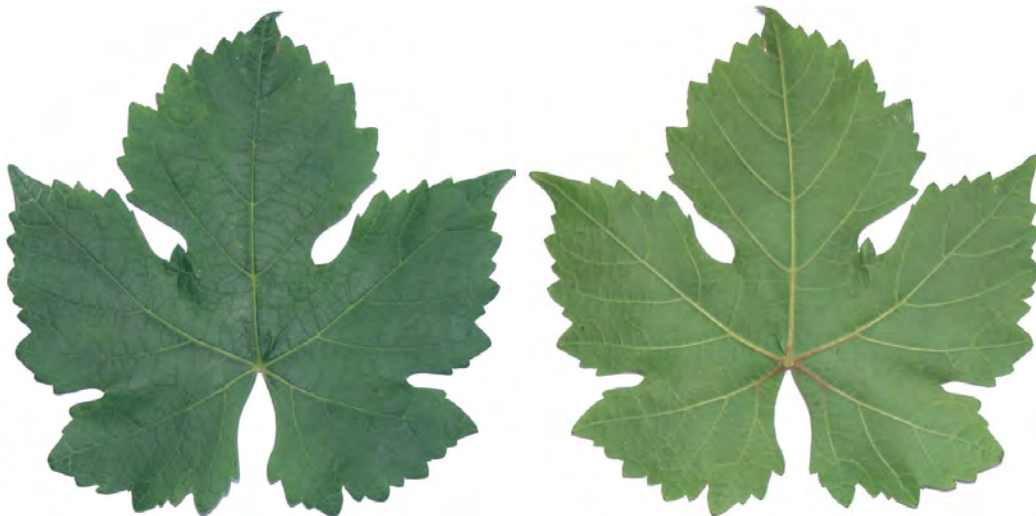
Berry: medium size, globose shape. Yellow-green colour of skin.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: medium.



Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

4211: year 1992

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	medium	5
Vigour of shoot growth	medium	5
Grape yield	low /medium	4
Sugar content of must	medium	5



CHRUPLKA ČERVENÁ (CHČ)

Medium ripening table grape variety, the grapes reach full maturity in late September.

Origin:

Probably originated in Egypt or Asia Minor, later introduced to France.

Year of registration in the State Variety Book:

1941

Varietal characteristics:

Mature leaf: medium size, pentagonal shape.

Bunch: medium size, medium density.

Berry: medium size, globose shape. Rose colour of skin.

Resistance:

Variety resistant to Botrytis and powdery mildew, moderately resistant to downy mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low to medium, sugar content of must: medium.



Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.
Ing. Alois Tománek

Clones:

1/187; 11/18; 11/36; 13/25; 14/20: year 1992

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	medium	5
Vigour of shoot growth	medium	5
Grape yield	low /medium	4
Sugar content of must	medium	5



JULSKI BISER (JB)

Early to medium ripening table grape variety, the grapes reach full maturity in mid-September.

Origin:

Bulgaria, crossing ,Bolgar' x (,Perla' x ,Fergansko III-2').

Year of registration in the State Variety Book:

1972

Varietal characteristics:

Mature leaf: medium size, wedge shape.

Bunch: large size, medium density.

Berry: medium to large size, broad ellipsoid shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: medium.



Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.
Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early / medium	4
Blossom drop	medium / low	6
Vigour of shoot growth	medium	5
Grape yield	low	3
Sugar content of must	medium	5



OLŠAVA (OI)

Medium ripening table grape variety, the grapes reach full maturity in late September.

Origin:

Wine region of Morava, crossing 'Kossuth Lajos' x 'Boskolena'.

Year of registration in the State Variety Book:

1988

Varietal characteristics:

Mature leaf: medium to large size, wedge shape.

Bunch: large size, medium density.

Berry: medium to large size, broad ellipsoid shape. Dark red-violet colour of skin.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: low to medium.



Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	medium	5
Blossom drop	medium / low	6
Vigour of shoot growth	medium	5
Grape yield	medium	5
Sugar content of must	low / medium	4



PANONIA KINCSE (PK)

Early to medium ripening table grape variety, the grapes reach full maturity in mid-September.

Origin:

Hungary, crossing 'Královna vinohradů' x 'Krasavice z Cegledu'.

Year of registration in the State Variety Book:

1980

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape.

Bunch: large size, medium density.

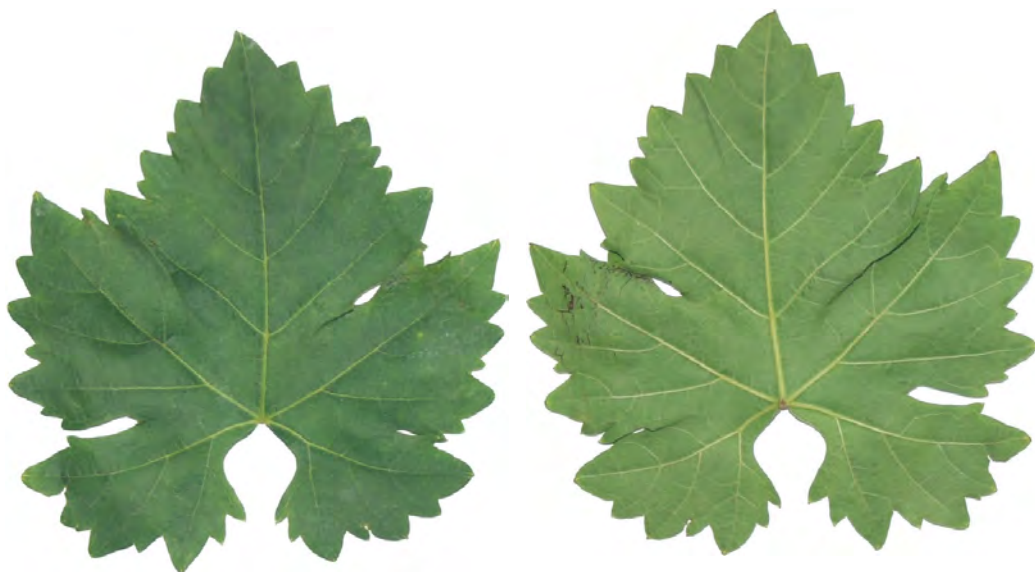
Berry: large size, ellipsoid shape. Yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew, resistant to powdery mildew. Less resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: low to medium.



Holding institution:

AMPELOS, ŠLECHTITELSKÁ STANICE VINAŘSKÁ ZNOJMO, s.r.o.
Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early / medium	4
Blossom drop	high / medium	4
Vigour of shoot growth	low / medium	4
Grape yield	low	3
Sugar content of must	low / medium	4



POLA (Po)

Early ripening table grape variety, the grapes reach full maturity in early September.

Origin:

Wine region of Morava, crossing ,Poběda' x ,Košutovo'.

Year of registration in the State Variety Book:

2001

Varietal characteristics:

Mature leaf: medium to large size, pentagonal shape.

Bunch: large size, medium density.

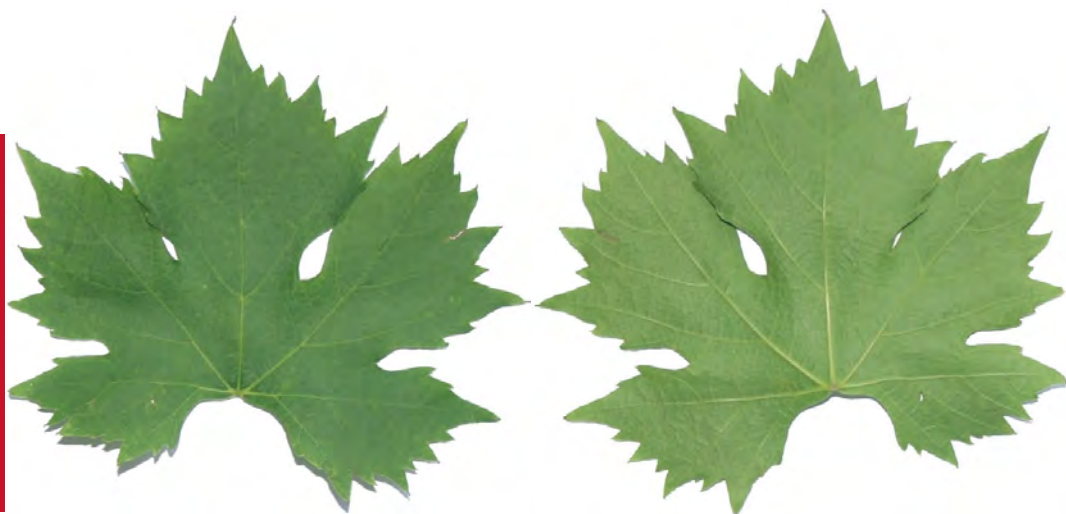
Berry: large size, broad ellipsoid shape. Blue-black colour of skin.

Resistance:

Variety moderately resistant to Botrytis, downy mildew and powdery mildew. Moderately resistant to blossom drop.

Yield:

Yield of grapes: medium, sugar content of must: low to medium.



Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early	3
Harvest maturity	early	3
Blossom drop	medium	5
Vigour of shoot growth	weak / medium	4
Grape yield	medium	5
Sugar content of must	low / medium	4



VITRA (Vi)

Early to medium ripening table grape variety, the grapes reach full maturity in mid-September.

Origin:

Wine region of Morava, crossing ,Poběda' x ,Košutovo'.

Year of registration in the State Variety Book:

1993

Varietal characteristics:

Mature leaf: large size, pentagonal shape.

Bunch: large size, medium density.

Berry: large size, ellipsoid shape of profile. Blue-black colour of skin.

Resistance:

Variety moderately resistant to Botrytis and downy mildew and resistant to powdery mildew. Less resistant to blossom drop.

Yield:

Yield of grapes: low, sugar content of must: medium.



Holding institution:

Ing. Alois Tománek

Šlechtitelská stanice vinařská, s.r.o. Polešovice

Clones:

No clones are registered.

Descriptor	Level of expression	Note
Time of bud burst	early / medium	4
Harvest maturity	early / medium	4
Blossom drop	high / medium	4
Vigour of shoot growth	weak / medium	4
Grape yield	low	3
Sugar content of must	medium	5



GRAPE VARIETIES IN ADDITION

Bianca

White wine grape variety. Time of veraison: early to middle-early.

Origin:

Hungary, crossing ,Seyve Villard 12375' x ,Bouvierův hrozen'.

Vineyard area in the CR: 3.9101 ha

Varietal characteristics:

Mature leaf: medium size, circular shape. Bunch: medium size, loose to medium density.

Berry: medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety resistant to very resistant to Botrytis and resistant to very resistant to downy mildew and powdery mildew.

Use:

Variety well suited to organic viticulture. Wine with delicate aromatic character, fruity with high acidity that dissipates quickly during late harvest.

Photo from the vineyard:



Blauer Silvaner

White wine grape variety. Time of veraison: middle-late to late.

Origin:

Germany, mutation of ‚Sylvánské zelené‘.

Vineyard area in the CR: 2.2068 ha

Varietal characteristics:

Mature leaf: medium size, one-lobed. Bunch: medium size, medium density to dense. Berry: medium size, globose shape, dark red-violet colour of skin.

Resistance:

Variety resistant to moderately resistant to Botrytis, resistant to moderately resistant to downy mildew and moderately resistant to powdery mildew.

Use:

Wine of lemon-green to lemon colour. Harmonious, neutral, sometimes with fruit and herbal aromas and flavours.

Photo from the vineyard:



Bouvierův hrozen

White wine grape variety. Time of veraison: early to middle-early.

Origin:

Slovenia. An accidental crossing ‚Pinot variety‘ x ‚unidentified variety‘.

Vineyard area in the CR: 2.8229 ha

Varietal characteristics:

Mature leaf: medium size, five-lobed. Bunch: small to medium size, loose to medium density.

Berry: medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety less to moderately resistant to Botrytis, less to moderately resistant to downy mildew and less to moderately resistant to powdery mildew.

Use:

Due to its appealing grapes and early ripening, it can be used for direct consumption. It is wine with flavours of slight nutmeg, slightly spicy, harmonious. In ideal conditions, the grapes are suitable for the production of wine labelled as “special selection of Botrytis-affected berries”.

Photo from the vineyard:



Cabernet blanc

White wine grape variety. Time of veraison: late to very late.

Origin:

Switzerland, crossing ,Cabernet Sauvignon' x unknown hybrid grape variety.

Vineyard area in the CR: 11.3877 ha

Varietal characteristics:

Mature leaf: medium size, five-lobed. Bunch: medium size, loose. Berry: small to medium size, globose shape, green colour of skin.

Resistance:

Variety resistant to highly resistant to Botrytis and resistant to moderately resistant to downy mildew and powdery mildew. Susceptible to blossom drop.

Use:

Aromatic wine of lemon-green colour, with bouquet and fruity or spicy flavours.

Photo from the vineyard:



Donauriesling

White wine grape variety. Time of veraison: late.

Origin:

Austria, crossing ,Ryzlink rýnský' x [,Seyve Villard 12481' x (,Rulandské šedé' x ,Chrupka bílá')].

Vineyard area in the CR: 7.7606 ha

Varietal characteristics:

Mature leaf: large size, five-lobed. Bunch: medium to large size, medium density. Berry: small size, globose shape, yellow-green to yellow colour of skin.

Resistance:

Variety moderately resistant to Botrytis, moderately to highly resistant to downy mildew and powdery mildew.

Use:

A very high-quality grape variety, suitable for the ecological system of viticulture. The wine is full, harmonious, with a delicate acidity, fruity taste, and aroma.

Photo from the vineyard:



Chenin Blanc

White wine grape variety. Time of veraison: late.

Origin:

An old variety from France, an accidental crossing ,Sauvignon' x unknown hybrid grape variety.

Vineyard area in the CR: 2.583 ha

Varietal characteristics:

Mature leaf: medium size, circular shape. Bunch: medium size. Berry: small to medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety less resistant to Botrytis and moderately resistant to downy mildew and powdery mildew.

Use:

The variety has high yields, to produce high-quality wines it is necessary to reduce the harvest. The wine has a pale-yellow colour and is slightly aromatic with harmonious, fruity or herbal flavours. Without reduction, it is significantly acidic, less aromatic.

Photo from the vineyard:



Johanniter

White wine grape variety. Time of veraison: middle-late to late.

Origin:

Germany, crossing ,Ryzlink rýnský' x [,Seyve Villard 12-481' x (,Rulandské šedé' x ,Chrupka bílá')].

Vineyard area in the CR: 26.6363 ha

Varietal characteristics:

Mature leaf: medium size, five-lobed. Bunch: medium size, dense to very dense. Berry: small to medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety moderately resistant to resistant to Botrytis, resistant to highly resistant to downy mildew and resistant to powdery mildew.

Use:

Wine of lemon-green colour, with neutral to delicate aromatic character, harmonious, fruity or neutral in flavour.

Photo from the vineyard:



Merzling

White wine grape variety. Time of veraison: middle-early.

Origin:

Germany, crossing ,Seyve Villard 5-276' x (,Ryzlink rýnský' x ,Rulandské šedé').

Vineyard area in the CR: 4.7062 ha

Varietal characteristics:

Mature leaf: medium size, three-lobed. Bunch: medium size, dense. Berry: medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety moderately resistant to resistant to Botrytis, downy mildew and powdery mildew.

Use:

Wine of lemon-green colour, with neutral to delicate aromatic character, harmonious. Fruity or neutral in flavour.

Photo from the vineyard:



Muscaris

White wine grape variety. Time of veraison: middle-early.

Origin:

Germany, crossing ‚Solaris‘ x ‚Gelber Muskateller‘.

Vineyard area in the CR: 16.5168 ha

Varietal characteristics:

Mature leaf: medium to large size, one-lobed. Bunch: medium size, medium density to dense.

Berry: small to medium size, in profile broadly ellipsoid, yellow-green colour of skin.

Resistance:

Variety resistant to moderately resistant to Botrytis, resistant to highly resistant to downy mildew and resistant to powdery mildew.

Use:

Wine of lemon green to lemon colour, aromatic and bouquet character, fruity in flavour, spicy.

Photo from the vineyard:



Muškát žlutý

White wine grape variety. Time of veraison: late.

Origin:

A very old grape variety, allegedly comes from the southern countries of Italy, Greece.

Vineyard area in the CR: 8.9724 ha

Varietal characteristics:

Mature leaf: medium size, five-lobed. Bunch: medium size, dense to very dense. Berry: medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety less resistant to Botrytis, resistant to downy mildew and less resistant to powdery mildew.

Use:

Aromatic wine of pale yellow to yellow colour. Fruity, herbal and spicy with fresh acidity. Aromas of nutmeg. The wine produced from ripe grapes has a golden colour, with tones of honey in taste and aroma.

Photo from the vineyard:



Palatina

White table grape variety. Time of veraison: early.

Origin:

Hungary, crossing ‚Seyve-Villard 12 375’ x ‚Královna vinic’. The variety is also known as Prim.

Vineyard area in the CR: 5.3952 ha

Varietal characteristics:

Mature leaf: medium to large size, five-lobed. Bunch: large size, loose to medium density.

Berry: medium to large size, in profile bluntly egg-shaped, yellow colour of skin.

Resistance:

Variety highly resistant to Botrytis, resistant to downy mildew and moderately resistant to powdery mildew.

Use:

The table grapes have pleasant harmonious taste with notes of nutmeg. Light, aromatic wines are not intended for longer storage.

Photo from the vineyard:



Regent

Black wine grape variety. Time of veraison: middle-early.

Origin:

Germany, crossing ,Diana' x ,Chambourcin', i.e. (,Sylvánské zelené' x ,Müller Thurgau') x (,Seyve Villard' x ,Chancellor')

Vineyard area in the CR: 12.0356 ha

Varietal characteristics:

Mature leaf: medium size, three-lobed. Bunch: medium size, medium density. Berry: small to medium size, globose shape, blue-black colour of skin.

Resistance:

Variety moderately resistant to resistant to Botrytis, resistant to downy mildew and resistant to powdery mildew.

Use:

Wine of deep ruby to dark purple colour, with delicate aromatic character, harmonious. Neutral and fruity in taste, shows fruity aromas.

Photo from the vineyard:



Roesler

Black wine grape variety. Time of veraison: middle.

Origin:

Austria, crossing ‚Zweigeltrebe‘ x ‚Klosterneuburg 1189-9-77‘, i.e. ‚Zweigeltrebe‘ x (‚Seyve Villard 18-402‘ x ‚Frankovka‘).

Vineyard area in the CR: 8.4001 ha

Varietal characteristics:

Mature leaf: medium to large size, five-lobed. Bunch: medium size, medium density. Berry: medium size, globose shape, blue-black colour of skin.

Resistance:

Variety highly resistant to Botrytis, less resistant to downy mildew and resistant to powdery mildew.

Use:

Wine of deep ruby colour, fruity taste, extractive. It has a rich tannin structure and is suitable for aging in barrique barrels.

Photo from the vineyard:



Saphira

White wine grape variety. Time of veraison: late.

Origin:

Germany, crossing ,Arnsburger' x ,Seyve Villard 1-72'.

Vineyard area in the CR: 13.1547 ha

Varietal characteristics:

Mature leaf: medium size, three-lobed. Bunch: medium size, medium density. Berry: small to medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety moderately resistant to resistant to Botrytis, less to moderately resistant to downy mildew and less resistant to powdery mildew.

Use:

Wine of lemon-green to lemon colour, full-bodied, with delicate aromatic character. Taste and aroma are full, neutral, fruity, and herbal with soft acidity.

Photo from the vineyard:



Semillon

White wine grape variety. Time of veraison: middle.

Origin:

France, Bordeaux.

Spread to: Bulgaria, Cyprus, Spain, Greece, Italy, Hungary, Portugal, the Czech Republic.

Vineyard area in the CR: 3.5107 ha

Varietal characteristics:

Mature leaf: medium to large size, five-lobed. Bunch: medium size, medium density. Berry: medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety less resistant to Botrytis, resistant to downy mildew and resistant to powdery mildew.

Use:

Wine of lemon-green to lemon colour, full-bodied, with delicate aromatic character. It shows soft fruity, herbal aromas. The taste is fruity, herbal, spicy, with hazelnut hints, sometimes lacking in acids. Ripe grapes are used to make wine labelled "special selection of berries".

Photo from the vineyard:



Siegerrebe

White wine grape variety. Time of veraison: very early to early.

Origin:

Germany, crossing ‚Madeleine Angevine‘ x ‚Tramín červený‘.

Vineyard area in the CR: 3.116 ha

Varietal characteristics:

Mature leaf: small to medium size, three-lobed. Bunch: medium to large size, dense to medium density. Berry: medium size, globose shape, red colour of skin.

Resistance:

Variety moderately resistant to resistant to Botrytis, resistant to moderately resistant to downy mildew and moderately resistant to powdery mildew.

Use:

Wine of light-yellow colour, with aromatic character. It is fruity and spicy in taste.

Photo from the vineyard:



Scheurebe

White wine grape variety. Time of veraison: late.

Origin:

Germany, crossing ‚Ryzlink rýnský‘ x (‚Sylvánské zelené‘ x ‚Trollinské‘).

Vineyard area in the CR: 4.3929 ha

Varietal characteristics:

Mature leaf: medium size, five-lobed. Bunch: medium size, medium density to dense. Berry: medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, moderately resistant to resistant to downy mildew and less to moderately resistant to powdery mildew.

Use:

Wine of lemon-green to lemon colour, with aromatic character. Full-bodied, shows spicy taste and aroma.

Photo from the vineyard:



Solaris

White wine grape variety. Time of veraison: very early to early.

Origin:

Germany, crossing ,Merzling' x (,Zarja severa' x ,Muškát Ottonel').

Vineyard area in the CR: 120.8058 ha

Varietal characteristics:

Mature leaf: medium to large size, three-lobed. Bunch: medium size, medium density to dense. Berry: small to medium size, in profile broadly ellipsoid shape, yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, resistant to downy mildew and resistant to powdery mildew.

Use:

Wine of lemon-green, sometimes lemon colour, with aromatic character. The flavour is fruity, herbal and spicy.

Photo from the vineyard:



Souvignier gris

White wine grape variety. Time of veraison: middle-early to late.

Origin:

Germany, crossing ‚Cabernet Sauvignon‘ x ‚Bronner‘.

Vineyard area in the CR: 25.0222 ha

Varietal characteristics:

Mature leaf: medium size, three-lobed. Bunch: small to medium size, medium density to dense. Berry: small to medium size, in profile broadly ellipsoid shape, rose colour of skin.

Resistance:

Variety resistant to highly resistant to Botrytis, resistant to highly resistant to downy mildew and resistant to powdery mildew.

Use:

Wine of lemon-green to lemon colour, with aromatic character. It is neutral and fruity in aroma, full-bodied, fruity and herbal in taste with soft acidity.

Photo from the vineyard:



Viognier

White wine grape variety. Time of veraison: middle-late to late.

Origin:

Probably Dalmatia in Croatia.

Spread to: France, South and North America, Australia, New Zealand

Vineyard area in the CR: 5.852 ha

Varietal characteristics:

Mature leaf: medium to large size, five-lobed. Bunch: medium size, dense. Berry: medium size, globose shape, yellow-green to yellow colour of skin.

Resistance:

Variety less to moderately resistant to Botrytis, less to moderately resistant to downy mildew and less resistant to powdery mildew.

Use:

Wine of lemon-green to lemon colour, with aromatic character. It shows fruity, herbal and mineral flavours. Acid levels at harvest play a significant role. When lacking in acids, the wine is dull and unctuous; on the contrary, when unripe, aromas and tastes do not develop.

Photo from the vineyard:



Zalagyöngye

White wine grape variety. Time of veraison: early.

Origin:

Hungary, crossing ,Seyve Villard 12 375' x ,Čabaňská perla'.

Vineyard area in the CR: 5.5852 ha

Varietal characteristics:

Mature leaf: medium size, pentagonal shape. Bunch: medium to large size, loose to medium density, with a long stem. Berry: small to medium size, globose shape, yellow-green colour of skin.

Resistance:

Variety moderately resistant to Botrytis, resistant to highly resistant to downy mildew and less resistant to powdery mildew.

Use:

Wine of lemon-green colour, with delicate aromatic character. Its flavour is characterised by fruity and floral notes. The wine is aromatic, acid levels must be monitored during harvest. The variety can also be used as a table variety.

Photo from the vineyard:



DIRECTORY OF HOLDING INSTITUTIONS

Holding institution	Address	Telephone	Fax	E-mail
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GUIDELINES FOR DESCRIPTION OF GRAPE VARIETIES

Guidelines for Description of Grape Varieties were developed on the basis of the technical protocol TP/050/2 issued by the Community Plant Variety Office (hereinafter 'CPVO') and adopted on 01/04/2009 and relevant documents of the International Union for the Protection of New Varieties of Plants (hereinafter 'UPOV'). Guidelines for the Conduct of Tests for Distinctness, Uniformity and Stability – General Introduction, a document of the Central Institute for Supervising and Testing in Agriculture, form an integral part thereof. These Test Guidelines apply to assessment of distinctness, uniformity and stability of all *Vitis vinifera* L. varieties and determine the basic principles of testing.

Unless otherwise indicated, all observations should be made on 5 plants or parts taken from each of 5 plants. Quality and health status of the plant material of the candidate variety delivered to the test station shall comply with the requirements outlined in EU regulations.

Observation of corresponding characteristics in healthy and fully developed plants is carried out over two years; grape wine varieties and table wine varieties shall be fully matured.

The descriptor list comprises 44 characteristics in total and indicates precisely what part of the plant shall be observed as well as the phenological growth stage according to the BBCH-scale, which the grapevine must reach to assess the characteristic exactly.

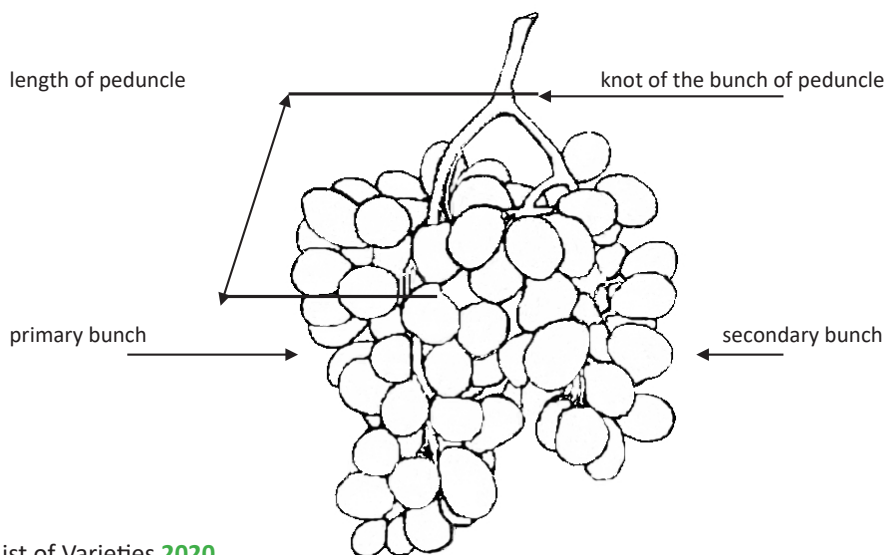
Examples of assessment

Characteristic no. 1: Time of bud burst

The time of bud burst is when 50% of the plants are at the bud burst stage; A plant is at bud burst stage when 50% of the buds are at least at growth stage 07 according to the BBCH-scale, i.e. beginning of bud burst: green shoot tips just visible

Characteristic no. 34: Grape cluster: length of peduncle of primary bunch

The distance from insertion point of peduncle on shoot to the first ramification of primary bunch should be measured. Above the first ramification there is a knot like thickening on the peduncle from which a secondary bunch or a tendril may arise, which should not be confused with the first ramification.



PHENOLOGICAL GROWTH STAGES AND BBCH-IDENTIFICATION KEYS OF GRAPEVINE

(Lorenz al., 1994, and Meier, 1997)

Growth stage 0: Sprouting/Bud development

- 00 Dormancy: winter buds pointed to rounded, light or dark brown according to cultivar; bud scales more or less closed according to cultivar
- 01 Beginning of bud swelling: buds begin to expand inside the bud scales
- 03 End of bud swelling: buds swollen, but no green parts visible
- 05 "Wool stage": brown wool clearly visible
- 07 Beginning of bud burst: green shoot tips just visible
- 09 Bud burst: green shoot tips clearly visible

Growth stage 1: Leaf development

- 11 First leaf unfolded and spread away from shoot
- 12 2 leaves unfolded
- 13 3 leaves unfolded
- 14 Stages continuous till stage 19
- 19 9 or more leaves unfolded

Growth stage 5: Inflorescence emerge

- 53 Inflorescences clearly visible
- 55 Inflorescences swelling, flowers still closely pressed together
- 57 Inflorescences fully developed; flowers separating

Growth stage 6: Flowering

- 60 First flowerhoods detached from the receptacle
- 61 Beginning of flowering: 10% of flowerhoods fallen
- 62 20% of flowerhoods fallen
- 63 Early flowering: 30% of flowerhoods fallen
- 64 40% of flowerhoods fallen
- 65 Full flowering: 50% of flowerhoods fallen
- 66 60% of flowerhoods fallen
- 67 70% of flowerhoods fallen
- 68 80% of flowerhoods fallen
- 69 End of flowering

Growth stage 7: Development of fruits

- 71 Fruit set: young fruits begin to swell, remains of flowers lost
- 73 Berries groat-sized, bunches begin to hang
- 75 Berries pea-sized, bunches hang
- 77 Berries beginning to touch - beginning of bunch closure
- 79 Majority of berries touching - end of bunch closure

Growth stage 8: Ripening of berries

- 81 Beginning of ripening: berries begin to develop variety-specific colour
- 83 Berries developing colour – advanced maturation
- 85 Softening of berries
- 89 Berries ripe for harvest – full maturation

Growth stage 9: Senescence

- 91 After harvest; end of wood maturation
- 92 Beginning of leaf discolouration
- 93 Beginning of leaf-fall
- 95 50% of leaves fallen
- 97 End of leaf-fall
- 99 Termination of vegetative growth, harvested product

METHODOLOGY FOR TESTING THE VALUE FOR CULTIVATION OR USE

According to the general principles laid down by the Methodology for Testing the Value for Cultivation or Use – the general part - expression of each grape variety in all growing cycles is constantly observed and evaluated over the course of the experiment. All observations should be carefully recorded.

Expression of the characteristic is obtained by means of measuring, weighing, and counting (e.g. yield, sugar content, etc.).

Expression of the characteristic is expressed in units using a 9-point scale (e.g. blossom drop, degree of infestation). In general, the note 9 represents the most favourable or strong characteristic, the value 1 represents the least favourable or weak characteristic

Example of scoring and the corresponding word description:

Note example of word description

9	resistant
8	resistant
7	moderately resistant
6	moderately resistant
5	less resistant
4	less resistant
3	susceptible
2	susceptible
1	susceptible

Grape harvest, wine production and assessing wine quality

Samples of grapes are harvested manually depending on the degree of ripeness of individual varieties. Sensory assessment of table grape varieties is required to determine the wine category. As regards wine grape varieties, after determination of qualitative and technological parameters of grapes and grape must, vinification is carried out within the winemaking facilities of the Central Institute for Supervising and Testing in Agriculture. The wine is evaluated by a committee of experts next spring.

Auxiliary tables

Harvest maturity

Note	Description	Harvest time	Example varieties
1	very early	before 19 August	
2	very early / early	20 August – 4 September	Vrboska
3	early	5 September – 11 September	MOPR
4	early / medium early	12 September – 19 September	Veltliner Fruehrot
5	medium early	20 September – 4 October	Mueller Thurgau Weiss
6	medium early / late	5 October – 11 October	Silvaner Gruen
7	late	12 October – 19 October	Riesling Weiss
8	late / very late	20 October – 4 November	Hibernal
9	very late	5 November and later	

Grape yield

Note	Description	Yield (kg/plant)	Examples varieties
1	very low	< 1.0	
2	very low / low	1.0 – 1.4	
3	low	1.5 – 2.5	Gewuerztraminer
4	low / medium	2.6 – 2.9	Pinot Blanc
5	medium	3.0 – 4.0	Riesling Weiss
6	medium / high	4.1 – 4.4	Mueller Thurgau Weiss
7	high	4.5 – 5.5	Zweigeltrebe Blau
8	high / very high	5.6 – 5.9	
9	very high	6.0 and more	

Sugar content of grapes at harvest

Note	Description	°NM1	Example varieties
1	very low	< 11	
2	very low / low	11.1 – 13.0	
3	low	13.1 – 14.0	
4	low / medium	14.1 – 16.0	
5	medium	16.1 – 18.0	Mueller Thurgau Weiss
6	medium / high	18.1 – 20.0	MOPR
7	high	20.1 – 22.0	Chardonnay Blanc
8	high / very high	22.1 – 24.0	Gewuerztraminer
9	very high	24.1 and more	

¹ °NM is a scale used in the Czech Republic for measurement of must/wine sweetness. 1 °NM indicates 1 kg of sugar in 100 litres of must.

Resistance to downy mildew

Note	Description	Example varieties
9	resistant	
8	resistant	
7	moderately resistant	
6	moderately resistant	Chardonnay Blanc
5	less resistant	Mueller Thurgau Weiss
4	less resistant	
3	susceptible	
2	susceptible	
1	susceptible	

Resistance to powdery mildew

Note	Description	Example varieties
9	resistant	
8	resistant	
7	moderately resistant	
6	moderately resistant	
5	less resistant	Chardonnay Blanc
4	less resistant	Portugieser Blau
3	susceptible	
2	susceptible	
1	susceptible	

Resistance to Botrytis cinerea

Note	Description	Example varieties
9	resistant	
8	resistant	Savilon
7	moderately resistant	
6	moderately resistant	Riesling Weiss
5	less resistant	Veritas
4	less resistant	Aurelius
3	susceptible	
2	susceptible	
1	susceptible	

Resistance to blossom drop

Note	Description	Example varieties
9	absent	
8	1 – 10%	
7	> 10 – 20%	Riesling Weiss
6	> 20 – 30%	Chardonnay Blanc
5	> 30 – 40%	Neuburger
4	> 40 – 50%	
3	> 50 – 60%	Merlot Noir
2	> 60 – 70%	
1	> 70%	

Vigour of shoot growth

Note	Description	Example varieties
9	very strong	
8	strong / very strong	
7	strong	
6	medium / strong	Cabernet Dorsa
5	medium	Riesling Weiss
4	weak / medium	Mueller Thurgau Weiss
3	weak	Silvaner Gruen
2	very weak / weak	
1	very weak	

Wine quality evaluation

Note	Description	Score	Example varieties
9	extraordinary wine	> 22.1	
8	outstanding wine	19.1 – 22.0	
7	very good wine	16.1 – 19.0	
6	good wine	13.1 – 16.0	
5	average wine	11.1 – 13.0	
4	wine below average	< 11.0	
3	wine below average		
2	wine below average		
1	wine below average		

Note:

The auxiliary tables are provided for ease of reference only. The values of individual varieties may vary according to a different vintage. Multiannual average values of individual varieties were used to create the auxiliary tables. Assessment of resistance to pathogens was carried out in grapevine after standard chemical treatment.

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