

List of 48 descriptors to use in GRAPEGEN06

selected from the 151 OIV descriptors
published in June 2007¹



OIV (Bioversity)	Descriptor	Example varieties	Note
1 (6.1.1)	Young shoot: opening of the shoot tip		
	closed	<i>V. riparia</i>	1
	half open	Kober 5 BB, SO 4	3
	fully open	<i>Vitis vinifera</i> , <i>Vitis berlandieri</i>	5
3 (6.1.2)	Young shoot: intensity of anthocyanin coloration on prostrate hairs of the shoot tip		
	none or very low	Furmint B, Garganega B	1
	low	Riesling B	3
	medium	Müller-Thurgau B, Barbera N	5
	high	Aleatico N, Cabernet-Sauvignon N	7
	very high	<i>Vitis aestivalis</i>	9
4 (6.1.3)	Young shoot: density of prostrate hairs on the shoot tip		
	none or very low	Rupestris du Lot, 3309 Couderc	1
	low	Chasselas B, Garnacha tinta N	3
	medium	Pinot N, Chardonnay B	5
	high	Gewürztraminer Rg, Furmint B, Trebbiano toscano B, Harslevelue B	7
	very high	Meunier N, Chaouch B	9
6 (6.1.5)	Shoot: attitude (before tying)		
	erect	Garnacha tinta N, Monastrell N	1
	semi-erect	Muscat Ottonel B, Sauvignon B	3
	horizontal	Barbera N, Vermentino B	5
	semi-drooping	Aramon N, Dattier de Beyrouth B	7
	drooping	-	9

¹ Internet link : http://news.reseau-concept.net/images/oiv/Client/2_Edition_Caracteres_ampelographiques_OIV.pdf

7	Shoot: color of the dorsal side of internodes		
(6.1.6)	green	Sauvignon B, Garnacha tinta N, Dattier de Beyrouth B	1
	green and red	Carignan N, Muscat à petits grains B, Palomino Fino B	2
	red	Riesling B, Primitivo N	3
8	Shoot: color of the ventral side of internodes		
(6.1.7)	green	Sauvignon B, Garnacha tinta N, Dattier de Beyrouth B	1
	green and red	Carignan N, Palomino Fino B, Riesling B	2
	red	Rkatsiteli B, Mourvèdre N	3
16	Shoot: number of consecutive tendrils		
(6.1.14)	2 or less	<i>Vitis vinifera</i>	1
	3 or more	<i>Vitis labrusca</i> , <i>V. coignetiae</i>	2
51*	Young leaf: color of upper side of blade (4th leaf)		
(6.1.16)	green	Silvaner B, Garnacha tinta N	1
	yellow	Furmint B, Carignan N	2
	bronze	Dattier de Beyrouth B, Muscat à petits grains B, Pinot N	3
	copper-reddish	Chasselas B, Muscat Ottonel B, Rkatsiteli B	4
53	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)		
(6.1.17)	none or very low	Rupestris du Lot, Dattier de Beyrouth B, Garnacha tinta N	1
	low	Muscat à petits grains B, Cinsaut N	3
	medium	Carignan N, Merlot N, Riesling B	5
	high	Furmint B, Palomino Fino B, Clairette B	7
	very high	<i>Vitis labrusca</i> , Meunier N	9
67	Mature leaf: shape of blade		
(6.1.22)	cordate	<i>Vitis cordifolia</i> , Petit Verdot N	1
	wedge-shaped	<i>Vitis riparia</i> , Gloire de Montpellier, Merlot N, Carignan N	2
	pentagonal	Chasselas B, Cabernet franc N, Barbera N	3
	circular	Clairette B, Cabernet Sauvignon N, Riesling B	4
	kidney-shaped	Rupestris du Lot	5
68	Mature leaf: number of lobes		
(6.1.23)	one (entire leaf)	Melon B, Rupestris du Lot	1
	three	Chenin B, Aramon N	2
	five	Chasselas B, Riesling B, Barbera N	3
	seven	Vermantino B, Cabernet-Sauvignon N, Corvina N	4
	more than seven	Hebron B	5

<p>70</p>	<p>Mature leaf: area of anthocyanin coloration of main veins on upper side of blade absent only at the petiolar point up to the 1st bifurcation up to the 2nd bifurcation beyond the 2nd bifurcation</p>	<p>Dattier de Beyrouth B, Garnacha tinta N, Isabella N Muscat of Alexandria B Palomino Fino B, Rkatsiteli B Primitivo N Veltliner Frührot Rg, Chenin B</p>	<p>1 2 3 4 5</p>
<p>72</p>	<p>Mature leaf: goffering of blade absent or very weak weak medium strong very strong</p>	<p>Gamay N, Garnacha tinta N, Rupestris du Lot Cabernet-Sauvignon N Merlot N, Trebbiano toscano B Carignan N Villard noir N</p>	<p>1 3 5 7 9</p>
<p>74 (6.1.25)</p>	<p>Mature leaf: profile of blade in cross section flat V-shaped involute revolute twisted</p>	<p>Aramon N, Gamay N, Cabernet-Sauvignon N Rupestris du Lot, Schwarzmann Furmint B, Trebbiano toscano B, Kober 5 BB Alicante Bouschet N, Melon B, Amigne B Garnacha tinta N, Carignan N, Sauvignon B</p>	<p>1 2 3 4 5</p>
<p>75 (6.1.26)</p>	<p>Mature leaf: blistering of upper side of blade absent or very weak weak medium strong very strong</p>	<p>Rupestris du Lot, Garnacha tinta N Chasselas B, Sangiovese N, Gamay N Semillon B, Müller-Thurgau B, Garganega B, Barbera N Riesling B, Merlot N <i>Vitis amurensis</i></p>	<p>1 3 5 7 9</p>
<p>76 (6.1.27)</p>	<p>Mature leaf: shape of teeth both sides concave both sides straight both sides convex one side concave, one side convex mixture between both sides straight (note 2) and both sides convex (note 3)</p>	<p><i>Vitis aestivalis</i>, <i>Vitis coriacea</i> Muscat à petits grains B, Müller-Thurgau B, Nebbiolo N Chenin B, Sauvignon B, Silvaner B Aspiran N, <i>Vitis longii</i>, Garganega B Cabernet franc N, Furmint B, Palomino fino B</p>	<p>1 2 3 4 5</p>
<p>79 (6.1.30)</p>	<p>Mature leaf: degree of opening / overlapping of petiole sinus very wide open half open closed overlapped strongly overlapped</p>	<p>Rupestris du Lot, 110 Richter, 99 Richter Aramon N, <i>Vitis riparia</i>, Merlot N, Sangiovese N Sauvignon B, Barbera N, Chasselas B, Cabernet franc N Riesling B, Cabernet Sauvignon N Clairette B, Gewürztraminer Rg, Marsanne B</p>	<p>1 3 5 7 9</p>

80	Mature leaf: shape of base of petiole sinus		
	U-shaped	Garnacha tinta N, Semillon B, Merlot N	1
	brace-shaped ({})	140 Ruggeri, Periquita N, Uva rara N	2
	V-shaped	Aramon N, Gamay Noir N	3
81-1 (6.1.31)	Mature leaf: teeth in the petiole sinus		
	absent	Chasselas B	1
	present	Faberrebe B, Bombino B, Jaen B, Nebbiolo N	9
81-2* (6.1.32)	Mature leaf: petiole sinus base limited by vein		
	not limited	Chasselas B	1
	on one side	Cabernet-Sauvignon N, Müller-Thurgau B, Primitivo N	2
	on both sides	Chardonnay B, Ortega B, 1103 Paulsen	3
83-2	Mature leaf: teeth in the upper lateral sinuses		
	absent	Chasselas B	1
	present	Cabernet franc N, Riesling B, Nebbiolo N	9
84 (6.1.35)	Mature leaf: density of prostrate hairs between main veins on lower side of blade		
	none or very low	Dattier de Beyrouth B, Chasselas B, Garnacha tinta N	1
	low	Chardonnay B, Gamay N, Muscat à petits grains B	3
	medium	Cabernet-Sauvignon N, Alphonse Lavallée N, Kreaca B, Merlot N	5
	high	Chaouch B, Clairette B, Tempranillo N, Barbera N	7
	very high	Isabella N, Concord N	9
87 (6.1.38)	Mature leaf: density of erect hairs on main veins on lower side of blade		
	none or very low	Chardonnay B, Garnacha tinta N, Sultanina B	1
	low	Gamay N, Italia B	3
	medium	Clairette B, Alphonse Lavallée N, Furmint B, Kreaca B	5
	high	Kadarka N, Barbera N	7
	very high	<i>Vitis cinerea</i>	9
94 (6.1.34)	Depth of upper lateral sinuses		
	absent or very shallow	Melon B	1
	shallow	Gamay N	3
	medium	Merlot N	5
	deep	Chasan B	7
	very deep	Chasselas cioutat B	9

151 (6.2.1)	Flower: sexual organs		
	fully developed stamens and no gynoecium	Rupestris du Lot	1
	fully developed stamens and reduced gynoecium	3309 Couderc	2
	fully developed stamens and fully developed gynoecium	Chasselas B	3
	reflexed stamens and fully developed gynoecium	Bicane B, Ohanes B, Kober 5 BB	4
155	Shoot: fertility of basal buds (buds 1-3)		
	very low	Sultanina B	1
	medium	Trebbiano toscano B	5
	very high	Pedro Ximenez B, Carignan N, Chasselas B	9
202 (7.1.5)	Bunch: length (peduncle excluded)		
	very short	Kober 5 BB	1
	short	Meunier N, Gewürztraminer Rs	3
	medium	Müller-Thurgau B, Syrah N, Barbera N	5
	long	Trebbiano toscano B	7
	very long	Nehelescol B, Harslevelü B, Albana B	9
204 (6.2.3)	Bunch: density		
	very loose	<i>Vitis amurensis</i> , Uva rara N	1
	loose	Perle von Csaba B, Cardinal Rg, Prosecco B, Vermentino B	3
	medium	Chasselas B, Schiava Grossa N	5
	dense	Barbera N, Sauvignon B, Chenin B	7
	very dense	Meunier N, Silvaner B	9
206 (6.2.4)	Bunch: length of peduncle of primary bunch		
	very short	Garnacha tinta N, Sylvaner B, Furmint B, Monastrell N	1
	short	Gewürztraminer Rs, Sauvignon B	3
	medium	Marsanne B, Barbera N	5
	long	Alphonse Lavallée N, Aramon N	7
	very long	Freisa N	9
208	Bunch: shape		
	cylindrical	Barbera N, Furmint B,	1
	conical	Schiava Grossa N, Palomino fino B	2
	funnel shaped	Trebbiano toscano B	3
209	Bunch: number of wings of the primary bunch		
	absent	Kobber 5 BB	1
	1 – 2 wings	-	2
	3 – 4 wings	Pinot N, Silvaner B	3
	5 – 6 wings	Syrah N	4
	more than 6 wings	Tannat N, Schiava grossa N	5

220* (6.2.5)	Berry: length		
	very short	Corinthe noir N, Kober 5 BB, <i>Vitis riparia</i>	1
	short	Cabernet-Sauvignon N, Riesling B	3
	medium	Shiradzouli belyi B, Schiava grossa N	5
	long	Italia B, Dattier de Beyrouth B, Muscat of Alexandria B	7
	very long	Super Ran Bolgar B, Cardinal Rg, Red Globe Rg	9
221* (6.2.5)	Berry: width		
	very narrow	Corinthe noir N,	1
	narrow	Clairette B, Riesling B	3
	medium	Portugieser blau N	5
	wide	Muscat of Alexandria B	7
	very wide	Alphonse Lavallée N, Cardinal Rg, Red Globe Rg	9
223 (6.2.6)	Berry: shape		
	obloid	Riesling B, Chasselas Michel Tompa B	1
	globose	Chasselas B	2
	broad ellipsoid	Barbera N, Müller-Thurgau B	3
	narrow ellipsoid	Olivette noire N, Dattier de Beyrouth B	4
	cylindric	Kahlili belyi B	5
	obtuse ovoid	Ahmeur bou Ahmeur Rs	6
	ovoid	Bicane B	7
	obovoid	Muscat of Alexandria B, Valenci blanco B	8
	horn-shaped	Santa Paula B	9
	finger-shaped	-	10
225 (6.2.8)	Berry: color of skin		
	green yellow	Chasselas B	1
	rose	Chasselas rose Rs	2
	red	Molinera gorda Rg, Chasselas rouge Rg	3
	grey	Terret gris G, Pinot gris G	4
	dark red violet	Christmas rose Rg, Cardinal Rg	5
	blue black	Pinot N	6
231 (6.2.9)	Berry: intensity of flesh anthocyanin coloration		
	none or very weak	Pinot N	1
	weak	Gamay de Bouze N	3
	medium	Gamay de Chaudenay N	5
	strong	Alicante Bouschet N, Gamay Fréaux N	7
	very strong	-	9
235 (6.2.11)	Berry: firmness of flesh		
	soft	Pinot N, Riesling B, Perle von Csaba B	1
	slightly firm	Italia B, Dattier de Beyrouth B	2
	very firm	Sugraone B, Sultanina B	3

236 (6.2.12)	Berry: particular flavor		
	none	Auxerrois B, Trebbiano toscano B	1
	muscat	Muscat of Alexandria B	2
	foxy	Isabella N	3
	herbaceous	Carmenère N, Cabernet-Sauvignon N	4
	other flavor than muscat, foxy or herbaceous	Riesling B, Albariño B, Gewürztraminer Rs, Sauvignon B	5
241 (6.2.7)	Berry: formation of seeds		
	none	Corinthe noir N	1
	rudimentary	Sultanina B	2
	complete	Riesling B	3
301 (7.1.1)	Time of bud burst		
	very early	<i>Vitis amurensis</i> , <i>Vitis romanetii</i>	1
	early	Chardonnay B	3
	medium	Cabernet-Sauvignon N	5
	late	Mourvèdre N, Trebbiano toscano B	7
	very late	Airen B, Ohanes B	9
303 (7.1.4)	Time of beginning of berry ripening (veraison)		
	very early	Perle von Csaba B, Flame Seedless Rg	1
	early	Pinot N, Merlot N	3
	medium	Riesling B, Muscat Hamburg N	5
	late	Cinsaut N, Carignan N	7
	very late	Olivette noire N	9
351	Vigor of shoot growth		
	very weak	Aglianico N, Saint Laurent N	1
	weak	Alicante Bouschet N	3
	medium	Mourvèdre N, Merlot N	5
	strong	Trebbiano toscano B, Garnacha tinta N, Chasselas B	7
	very strong	Sultanina B, Nebbiolo N, Refosco dal pedonculo rosso N	9
502 (7.1.14)	Bunch: single bunch weight		
	very low	Albariño B	1
	low	Chardonnay B	3
	medium	Garnacha tinta N	5
	high	Aramon N, Trebbiano toscano B	7
	very high	Airen B, Doña Maria B	9
503 (7.1.15)	Berry: single berry weight		
	very low	Kober 5BB N, <i>Vitis riparia</i> N	1
	low	Muscat à petits grains B	3
	medium	-	5
	high	Italia B	7
	very high	Cardinal Rg	9
504 (7.1.16)	Yield per m²		
	very low	-	1
	low	-	3
	medium	-	5
	high	-	7
	very high	-	9

505 (7.1.17)	Sugar content of must		
	very low	-	1
	low	-	3
	medium	-	5
	high	-	7
	very high	-	9
506 (7.1.18)	Total acidity of must		
	very low	-	1
	low	-	3
	medium	-	5
	high	-	7
	very high	-	9
508	must specific pH		
	low	-	3
	medium	-	5
	high	-	7