



Grecanico dorato B

Ansaldo G., Barbagallo M. G., Brancadoro L., De Lorenzis G., Di Lorenzo R., Falco V., Fici G., Gagliano F., Marino G., Monteleone G., Pisciotta A., Scienza A., 2015. Grecanico dorato (Biotipo B). in: Italian Vitis Datababase, www.vitisdb.it. ISSN 2282-006X

release 15/11/2018, Last update 15/11/2018 url <http://vitisdb.it/accessions/show/16122>

Information managed by

Regione Siciliana - Assessorato delle Risorse Agricole e Alimentari - Dip. Interventi Infrastrutturali per l'Agricoltura - Centro per l'Innovazione della Filiera Vitivinicola UOS Marsala
Dipartimento di Scienze Agrarie ed Ambientali - Università degli Studi di Milano
Dipartimento di Scienze Agrarie e Forestali - Università degli Studi di Palermo

Acknowledgments

Regione Sicilia, Ager Foundation

General information

name Grecanico dorato B **code** ITA430-56/5
country of selection Italia **region of selection** Sicilia
province of selection Agrigento **locality of selection** not available
holding institution Regione Siciliana - Assessorato delle Risorse Agricole e Alimentari - Dip. Interventi Infrastrutturali per l'Agricoltura - Centro per l'Innovazione della Filiera Vitivinicola UOS Marsala
collection vineyard Biesina - Marsala

Variety & clone

type of origin spontanea **genera** Vitis
specie Vitis vinifera **subspecie** sativa
variety Garganega **variety code** IVD-var_192
clone not available
trueness to type confirmed by ampelography

Trueness to type

True-name

confirmed **yes**

related bibliography (1)

authors	year	title	journal	citation
Mazzei A. e Zappalà A.	1965	Il Grecanico dorato		Principali vitigni da vino coltivati in Italia. Volume IV, Ministero dell'Agricoltura e delle Foreste,

Trueness to type confirmed by ampelography

confirmation by ampelography **confirmed**

related bibliography (1)

authors	year	title	journal	citation
Mazzei A. e Zappalà A.	1965	Il Grecanico dorato		Principali vitigni da vino coltivati in Italia. Volume IV, Ministero dell'Agricoltura e delle Foreste,

Trueness to type confirmed by SSR-markers

confirmation by SSR-markers **not checked**

Standardized microsatellite profile

loci:	predefined loci (9)																	
SSR locus:	VVS2		VVMD5		VVMD7		VVMD27		VrZAG62		VrZAG79		VVMD25		VVMD28		VVMD32	
allele:	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2
size:	133	143	225	231	249	253	179	194	200	200	251	251	242	256	239	251	251	259

Images



shoot



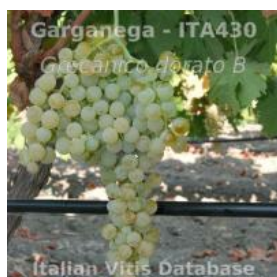
leaf



leafUs



leafLs



bunch







berry



seed

Ampelography

OIV	description	value		images
001	Young shoot: opening of the shoot tip	5	fully open	
003	Young Shoot: intensity of anthocyanin coloration on prostrate hairs of tip	1	none or very low	
004	Young Shoot: density of prostrate hairs on tip	5 / 7	medium / high	
006	Shoot: attitude (before tying)	1 / 3	erect / semi-erect	
007	Shoot: color of dorsal side of internodes	2	green and red	
008	Shoot: color of ventral side of internodes	1	green	
016	Shoot: number of consecutive tendrils	1	2 or less	
051	Young leaf: color of the upper side of blade (4 th leaf)	1 / 2 (Ø 3)	green / yellow	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	5 / 9	medium / very high	
055	Young leaf: density of prostrate hairs on main veins on lower side of blade (4th leaf)	5 / 9	medium / very high	
065	Mature leaf: size of blade	5 / 7	medium / large	
067	Mature leaf: shape of blade	3	pentagonal	
068	Mature leaf: number of lobes	3 (Ø 4)	five	
070	Mature leaf: area of anthocyanin coloration of main veins on upper side of blade	2 (Ø 3)	only at the petiolar point	
074	Mature leaf: profile of blade in cross section	2	V-shaped	
075	Mature leaf: blistering of upper side of blade	3	weak	
076	Mature leaf: shape of teeth	4 (Ø 2)	one side concave, one side convex	
079	Mature leaf: degree of opening / overlapping of petiole sinus	3 / 5	open / closed	
080	Mature leaf: shape of base of petiole sinus	1 / 3	U-shaped / V-shaped	
081-1	Mature leaf: teeth in the petiole sinus	1	none	
081-2	Mature leaf: petiole sinus base limited by veins	1	not limited	
083-1	Mature leaf: shape of base of upper lateral sinuses	1	U-shaped	
083-2	Mature leaf: teeth in the upper lateral sinuses	9	present	
084	Mature leaf: density of prostrate hairs between the main veins on lower side of blade	3 / 5	low / medium	
085	Mature leaf: density of erect hairs between the main veins on lower side of	1	none or very low	
				

087	Mature leaf: density of erect hairs on main veins on lower side of blade	1	none or very low	
093	Mature leaf: length of petiole compared to length of middle vein	5	equal	
094	Mature leaf: depth of upper lateral sinuses	5	medium	
151	Flower: sexual organs	3	fully developed stamens and fully developed gynoecium	
202	Bunch: length (peduncle excluded)	7/9	long / very long	
204	Bunch: density	3	loose	
208	Bunch: shape	1/2	cylindrical / conical	
220	Berry: length	3	short	
221	Berry: width	3	narrow	
223	Berry: shape	1	obloid	
225	Berry: color of skin	1	green yellow	
231	Berry: intensity of flesh anthocyanin coloration	1	none or very weak	
236	Berry: particularity of flavor	1	none	
241	Berry: formation of seeds	3	complete	

Ampelographic note

Il Grecanico presenta una buona variabilità intravarietale, questa può essere ricondotta in due biotipi, caratterizzati nel campo collezione di Marsala, denominati come A e B. I due biotipi individuati ben si differenziano per le loro caratteristiche morfologiche del grappolo, quali forma, compattezza e dimensione. Nel biotipo A il grappolo è lungo, mediamente compatto mentre il biotipo B presenta grappoli è da lunghi a molto lunghi e spargoli

Ampelometry

OIV

OIV	PDF	description	value
601	PDF	Mature leaf: length of vein N1	(Ø 119.00)
602	PDF	Mature leaf: length of vein N2	(Ø 103.56)
603	PDF	Mature leaf: length of vein N3	(Ø 78.09)
604	PDF	Mature leaf: length of vein N4	(Ø 52.70)
605	PDF	Mature leaf: length petiole sinus to upper lateral leaf sinus	(Ø 51.54)
606	PDF	Mature leaf: length petiole sinus to lower lateral leaf sinus	(Ø 49.93)
607	PDF	Mature leaf: angle between N1 and N2 measured at the first ramification	(Ø 61.07)
608	PDF	Mature leaf: angle between N2 and N3 measured at the first ramification	(Ø 50.35)
609	PDF	Mature leaf: angle between N3 and N4) measured at the first ramification	(Ø 60.24)
610	PDF	Mature leaf: angle between N3 and the tangent between petiole point	(Ø 74.05)
611	PDF	Mature leaf: length of vein N5	(Ø 27.64)
612	PDF	Mature leaf: length of tooth N2	(Ø 10.19)
613	PDF	Mature leaf: width of tooth N2	(Ø 11.59)
614	PDF	Mature leaf: length of tooth N4	(Ø 9.63)
615	PDF	Mature leaf: width of tooth N4	(Ø 10.63)
617	PDF	Mature leaf: length between the tooth tip of N2 and the tooth tip of the first secondary vein of N2	(Ø 52.78)
618	PDF	Mature leaf: opening/overlapping of petiole sinus	(Ø -10.29)

Superampelo

distances		
descriptor	value	standard deviation
Distance from the petiole sinus to the lower left sinus	50.620	7.130
Distance from the petiole sinus to the lower right sinus	49.230	8.620
Distance from the petiole sinus to the upper left sinus	51.040	10.500
Distance from the petiole sinus to the upper right sinus	52.030	9.710
Vein N3', length from the petiole sinus to vein N4'	12.060	2.090
Vein N3, length from the petiole sinus to vein N4	12.070	1.960
Length of vein N5'	28.390	4.790
Length of vein N5	26.880	5.270
Length of vein N4'	53.500	5.030
Length of vein N4	51.900	6.730
Distance between petiole point and end of vein N4'	61.660	5.320
Distance between petiole point and end of vein N4	60.430	7.810
Leaf length	176.570	14.800
Leaf width	158.070	15.620
Leaf length Including the petiole	210.200	27.390
Petiole length	91.220	20.910
Length of vein N1	119.000	9.540
Distance between the ends of veins N2 and N2'	152.590	15.930
Distance between the ends of veins N3 and N3'	150.850	13.700
Distance between the ends of veins N4 and N4'	54.710	15.290
Width of petiole sinus / Distance between points SP and SP'	-10.290	6.460
Length of vein N2	104.120	10.510
Length of vein N2'	103.000	7.130
Length of vein N3	77.660	8.540
Length of vein N3'	78.510	7.740
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	52.930	8.390
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	52.620	11.450

angles		
descriptor	value	standard deviation
Angle between N2 and N3' measured at the first bifurcation	49.600	4.960
Angle between N3 and N4 at the first fork of N3	62.260	5.660
Angle between N3' and N4'	58.220	4.170
Angle between N1 and N2 measured at the ends of the veins	47.720	5.820
Angle between N1' and N2' measured at the ends of the veins	47.710	6.600
Angle between N2 and N3 measured at the ends of the veins	54.980	6.830
Angle between N2' and N3' measured at the ends of the veins	56.640	6.270
Angle between N3 and N4 measured at the ends of the veins	49.320	6.950
Angle between N3' and N4' measured at the ends of the veins	49.970	5.840
Angle of opening of the petiole sinus measured at SP and at SP'	20.030	14.430
Angle between D and D' with the center in N1	100.160	5.380
Angle between S and S' with the center in N1	42.580	10.830
Angle between I and I' with the center in N1	44.080	5.620
Angle between N2 and N3 measured at the petiole point and between N2 and N3 tooth tip	77.660	11.320
Angle between N2 and N3 measured at the petiole point and between N2' and N3' tooth tip	76.030	5.990
Angle between N1 and N2 measured at the first bifurcation	60.190	5.250
Angle between N1 and N2' measured at the first bifurcation	61.950	4.970
Angle between N2 and N3 measured at the first bifurcation	51.090	4.250

rations		
descriptor	value	standard deviation
Ratio between length and width of the leaf	1.120	0.060
Ratio between the length of the petiole OP and the length of the vein N1	0.760	0.160
Ratio between the distance from the sinus and the length of the vein N2	0.500	0.090
Ratio between the distance from the sinus and the length of the vein N2'	0.500	0.100
Media of the base of the teeth of the left side	10.690	2.900
Media height of the teeth of the left side	9.510	2.310
Media of the base of the teeth of the right side	11.530	2.760
Media height of the teeth of the right side	10.310	2.050
Ratio between the height and the base of the tooth at the end of the vein N4'	0.840	0.180
Ratio between the height and the base of the tooth at the end of the vein N4	0.830	0.150
Ratio between the height and the base of the tooth at the end of the vein N2'	0.830	0.250
Ratio between the height and the base of the tooth at the end of the vein N2	0.800	0.230
Ratio between the sum of the angles a' + b' and the sum of the distance between the petiole sinus and upper right sinus OS' and the petiole sinus and lower right lower right sinus OI'	0.020	0.000
Ratio between the sum of the angles a + b and the sum of the distance between the petiole sinus and upper right sinus OS and the petiole sinus and lower right lower right sinus OI	0.020	0.000
Ratio between the length of the vein N5' and the length of the vein N1	0.240	0.040
Ratio between the length of the vein N5 and the length of the vein N1	0.230	0.040
Ratio between the length of the vein N4' and the length of the vein N1	0.450	0.040
Ratio between the length of the vein N4 and the length of the vein N1	0.440	0.040
Ratio between the length of the vein N3' and the length of the vein N1	0.660	0.060
Ratio between the length of the vein N3 and the length of the vein N1	0.650	0.040
Ratio between the length of the vein N2' and the length of the vein N1	0.870	0.040
Ratio between the length of the vein N2 and the length of the vein N1	0.870	0.040
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.650	0.110
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.640	0.110