RESOLUTION OIV-VITI 702-2023

PUBLICATION OF THE 3rd EDITION OF "OIV DESCRIPTOR LIST OF GRAPE VINE VARIETIES AND *VITIS* SPECIES"

WARNING: This resolution withdraws the following resolutions
- *AG 11/57-OEN*
- *AG 1/82-VIT*
- *VITI 2/2007*

PUBLICATION OF THE 3rd EDITION OF "OIV DESCRIPTOR LIST OF GRAPE VINE VARIETIES AND *Vitis* SPECIES"

THE GENERAL ASSEMBLY,

AT THE PROPOSAL of Commission I "Viticulture",

Based on the work of the "Genetic Resources and Vine Selection" Experts Group (GENET Group) and on the proposal of Commission I "Viticulture",

CONSIDERING the importance of harmonising Vitis variety descriptors between the OIV and other international organisations, particularly the consultations held with UPOV with this objective,

CONSIDERING the Resolution C 1/38-VIT on the establishment of a general method of studying ampelographic questions,

CONSIDERING the Resolution AG 11/57-VIT on the creation and publication of the international ampelographic register,

CONSIDERING the progress made regarding the description and identification of Vitis varieties field since the 1st Edition of "Descriptor list of grapevine varieties and Vitis species" of the OIV published in 1983, and the 2nd Edition of "OIV Descriptor list for grape varieties and Vitis species" published in 2009,

CONSIDERING Resolutions VITI 2/90 and VITI 5/90 and the scientific work being currently carried out by scientists of international renown in ampelography, which is resulting, through studies in progress, in a number of very useful national and/or international databases,

CONSIDERING Resolution VITI 1/98 and the importance of better understanding the

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types of varieties cultivated and their respective planted surface areas around the world, taking into account the frequent use of synonyms versus homonyms in different countries,

CONSIDERING Resolution OIV/VITI 424/2010 and the urgent need to protect the precious world heritage that vine varieties represent,

CONSIDERING Resolution OIV-VITI 467-2012 based on the harmonization of standardized descriptors (OIV ampelographic descriptor list, 2009), whose object is to provide an ampelographic description of reference for a given grapevine variety,

CONSIDERING the importance of grapevine breeding for better answer future and actual cultural conditions (OIV-VITI 515-2013, OIV-VITI 564A-2017, OIV-VITI 564B-2019),

CONSIDERING Resolution OIV-VITI 609-2019 OIV protocol for identification of varieties,

CONSIDERING that quantitative traits are highly influenced by non-genetic factors and, consequently, the correspondent descriptors are less discriminating,

DECIDES to adopt the descriptors updates, validated by competent international experts and endorsed within the framework of the Commission I "Viticulture",

DECIDES to withdraw the Resolutions AG 11/57-VIT, AG 1/82-VIT and VITI 2/2007,

DECIDES, replacing the 2nd Edition, to adopt and publish the 3rd Edition of "OIV Descriptor list of grape vine varieties and *Vitis* species", including the following list of descriptors,

MANDATES the GENET Group to describe the following list of descriptors that are included in the 3rd Edition of "OIV Descriptor list of grapevine varieties and *Vitis* species".

OIV AMPELOGRAPHIC DESCRIPTORS		
Characteristic	OIV Code	Code UDC[1]
Young Shoot: aperture of tip	001	1.1.1.1
Young Shoot: distribution of anthocyanin coloration on prostrate hairs of tip	002	1.1.1.2

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Young Shoot: intensity of anthocyanin coloration on prostrate hairs of tip	003	1.1.1.3
Young Shoot: density of prostrate hairs on tip	004	1.1.1.4
Young Shoot: density of erect hairs on tip	005	1.1.1.5
Shoot: attitude (before tying)	006	1.2.0.1
Shoot: colour of dorsal side of internodes	007	1.2.1.1
Shoot: colour of ventral side of internodes	008	1.2.1.2
Shoot: colour of dorsal side of nodes	009	1.2.2.1
Shoot: colour of ventral side of nodes	010	1.2.2.2
Shoot: density of erect hairs on nodes	011	1.2.2.3
Shoot: density of erect hairs on internodes	012	1.2.1.3
Shoot: density of prostrate hairs on nodes	013	1.2.2.4
Shoot: density of prostrate hairs on internodes	014	1.2.1.4
Shoot: area of the anthocyanin coloration on bud scales	015-1	1.2.3.1
Shoot: intensity of anthocyanin coloration on bud scales	015-2	1.2.3.2
Shoot: number of consecutive tendrils	016	1.2.4.1
Shoot: length of tendrils	017	1.2.4.2
Shoot: colour of tendrils	018	1.2.4.3
Shoot: division of tendrils	019	1.2.4.4
Shoot: presence of special hairs	020	1.2.1.5
Young leaf: colour of the upper side of blade (4th leaf)	051	1.3.1.1

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Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	053	1.3.2.1
Young leaf: density of erect hairs between main veins on lower side of blade (4th leaf)	054	1.3.2.2
Young leaf: density of prostrate hairs on main veins on lower side of blade (4th leaf)	055	1.3.2.3
Young leaf: density of erect hairs on main veins on lower side of blade (4th leaf)	056	1.3.2.4
Mature leaf: size of blade	065	1.4.1.1
Mature leaf: shape of blade	067	1.4.1.2
Mature leaf: number of lobes	068	1.4.1.3
Mature leaf: colour of the upper side of blade	069	1.4.1.4
Mature leaf: area of anthocyanin coloration of main veins on upper side of blade	070	1.4.1.5
Mature leaf: area of anthocyanin coloration of main veins on lower side of blade	071	1.4.1.6
Mature leaf: goffering of blade	072	1.4.1.7
Mature leaf: undulation of blade between main and lateral veins	073	1.4.1.8
Mature leaf: profile of blade in cross section	074	1.4.1.9
Mature leaf: blistering of upper side of blade	075	1.4.1.10
Mature leaf: shape of teeth	076	1.4.2.1
Mature leaf: size of teeth in relation to blade size	077	1.4.2.2
Mature leaf: length of teeth compared with their width	078	1.4.2.3

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Mature leaf: degree of opening / overlapping of petiole sinus	079	1.4.3.1
Mature leaf: shape of base of petiole sinus	080	1.4.3.2
Mature leaf: teeth in the petiole sinus	081-1	1.4.3.3
Mature leaf: petiole sinus base limited by veins	081-2	1.4.3.4
Mature leaf: degree of opening / overlapping of upper lateral sinus	082	1.4.4.1
Mature leaf: shape of base of upper lateral sinuses	083-1	1.4.4.2
Mature leaf: teeth in the upper lateral sinuses	083-2	1.4.4.3
Mature leaf: density of prostrate hairs between the main veins on lower side of blade	084	1.4.1.11
Mature leaf: density of erect hairs between the main veins on lower side of	085	1.4.1.12
Mature leaf: density of prostrate hairs on main veins on lower side of blade	086	1.4.1.13
Mature leaf: density of erect hairs on main veins on lower side of blade	087	1.4.1.14
Mature leaf: prostrate hairs on main veins on upper side of blade	088	1.4.1.15
Mature leaf: prostrate hairs on upper side of blade	088-1	1.4.1.16
Mature leaf: erect hairs on main veins on upper side of blade	089	1.4.1.17
Mature leaf: density of prostrate hairs on petiole	090	1.4.5.1
Mature leaf: density of erect hairs on petiole	091	1.4.5.2
Mature leaf: length of petiole compared to length of middle vein	093	1.4.5.3

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Mature leaf: depth of upper lateral sinuses	094	1.4.4.4
Mature leaf: brightness of the upper side of blade	095	1.4.1.18
Woody shoot: cross section	101	1.5.1.1
Woody shoot: structure of surface	102	1.5.1.2
Woody shoot: main colour	103	1.5.1.3
Woody shoot: lenticels	104	1.5.1.4
Woody shoot: erect hairs on nodes	105	1.5.2.1
Woody shoot: erect hairs on internodes	106	1.5.1.5
Woody shoot: diameter of nodes compared to diameter of internodes	107	1.5.1.6
Flower: sexual organs	151	1.6.1.1
Inflorescence: insertion of 1st inflorescence	152	1.7.0.1
Inflorescence: number of inflorescences per shoot	153	1.7.0.2
Shoot: fertility of basal buds (buds 1-3)	155	2.2.3.1
Bunch: length (peduncle excluded)	202	1.8.0.1
Bunch: width	203	1.8.0.2
Bunch: density	204	1.8.0.3
Bunch: length of peduncle of primary bunch	206	1.8.1.1
Bunch: lignification of peduncle	207	1.8.1.2
Bunch: shape	208	1.8.0.4
Bunch: number of wings of the primary bunch	209	1.8.2.1

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Berry: length	220	1.9.0.1
Berry: width	221	1.9.0.2
Berry: uniformity of size	222	1.9.0.3
Berry: shape	223	1.9.0.4
Berry: punctuation of skin (lenticels)	224	1.9.1.1
Berry: colour of skin	225	1.9.1.2
Berry: uniformity of colour of skin	226	1.9.1.3
Berry: bloom (intensity)	227	1.9.1.4
Berry: thickness of skin	228	1.9.2.5
Berry: hilum (appearance)	229	1.9.3.1
Berry: depression of hilum	229-1	1.9.3.2
Berry: intensity of the anthocyanin coloration of flesh	231	1.9.2.1
Berry: juiciness of flesh	232	1.9.2.2
Berry: must yield	233	1.9.0.5
Berry: firmness of flesh	235	1.9.2.3
Berry: particularity of flavour	236	1.9.0.6
Berry: length of pedicel	238	1.9.4.1
Berry: ease of detachment from pedicel	240	1.9.4.2
Berry: formation of seeds	241	1.9.5.1
Berry: length of seeds	242	1.9.5.2

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Berry: weight of seeds	243	1.9.5.3
Berry: transversal ridges on dorsal side of seeds	244	1.9.5.4
Time of bud burst	301	3.10.1.1
Time of full bloom	302	3.7.1.1
Time of beginning of berry ripening (veraison)	303	3.9.1.1
Time of physiological stage of full maturity of the berry	304	3.9.2.2
Time of beginning of wood maturity	305	3.5.0.1
Time of autumn colouring of leaves	306	3.4.0.1
Vigour of shoot growth	351	4.2.0.1
Growth of axillary shoots	352	4.2.0.2
Length of internodes	353	4.2.1.1
Diameter of internodes	354	4.2.1.2
Resistance to iron chlorosis	401	7.12.1.1
Resistance to chlorides (salt)	402	7.12.2.1
Resistance to drought	403	7.12.3.1
Resistance to heat (thermal stress)	404	7.12.4.1
Resistance to winter cold (hardiness)	405	7.12.5.1
Resistance to magnesium deficiency	406	7.12.6.1
Resistance to potassium deficiency	407	7.12.7.1
Inflorescence: degree of resistance to Plasmopara	451	8.7.1.1

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Leaf: degree of resistance to Plasmopara	452	8.4.1.1
Leaf: degree of resistance to Plasmopara (leaf disc test)	452-1	8.4.1.2
Cluster: degree of resistance to Plasmopara	453	8.8.1.1
Leaf: degree of resistance to Oidium	455	8.4.2.1
Leaf: degree of resistance to Oidium (leaf disc test)	455-1	8.4.2.2
Cluster: degree of resistance to Oidium	456	8.8.2.3
Leaf: degree of resistance to Botrytis	458	8.4.3.1
Leaf: degree of resistance to Botrytis (laboratory analysis)	458-1	8.4.3.2
Cluster: degree of resistance to Botrytis	459	8.8.3.3
Degree of resistance to Eutypa dieback (laboratory analysis)	460	8.12.9.1
Leaf: Degree of tolerance to Phylloxera (leaf)	461	10.4.4.1
Root: degree of tolerance to Phylloxera (root)	462	10.11.4.2
Leaf: degree of resistance to Black-rot	463	8.4.5.1
Cluster: degree of resistance to Black-rot	464	8.8.5.2
Leaf: degree of resistance to Anthracnose	465	8.4.6.1
Bunch: degree of resistance to Anthracnose	466	8.8.6.2
Shoot: degree of resistance to Anthracnose	467	8.2.6.3
Leaf: degree of resistance to Excoriose	468	8.4.7.1
Bunch: degree of resistance to Excoriose	469	8.8.7.2
Shoot: degree of resistance to Excoriose	470	8.2.7.3

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Shoot: degree of resistance to Esca-BDA	471	8.8.8.1
Shoot: degree of resistance to Eutypa dieback	472	8.2.9.2
Degree of resistance to grapevine yellow	473	9.12.10.1
Percentage of berry set	501	5.8.0.1
Bunch: single bunch weight	502	5.8.0.2
Berry: single berry weight	503	5.9.0.1
Yield per m^2	504	5.8.0.3
Sugar content of must	505	5.9.1.2
Total acidity of must	506	5.9.1.3
Must specific pH	508	5.9.1.4
Rootstock: yield of canes/ha	551	6.5.0.1
Rootstock: formation of callus (upper end)	552	6.13.0.1
Rootstock: adventitious root formation	553	6.11.0.1
Mature leaf: length of vein N_1	601	11.4.1.1
Mature leaf: length of vein N_2	602	11.4.1.2
Mature leaf: length of vein N_3	603	11.4.1.3
Mature leaf: length of vein N_4	604	11.4.1.4
Mature leaf: length petiole sinus to upper lateral leaf sinus	605	11.4.1.5
Mature leaf: length petiole sinus to lower lateral leaf sinus	606	11.4.1.6

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Mature leaf: angle between N_1 and N_2[2] measured at the first ramification	607	11.4.2.1
Mature leaf: angle between N_2 and N_3[3] measured at the first ramification	608	11.4.2.2
Mature leaf: angle between N_3 and N_4[4] measured at the first ramification	609	11.4.2.3
Mature leaf: angle between N_3 and the tangent between petiole point and the tooth tip of N_5[5]	610	11.4.2.4
Mature leaf: length of vein N_5	611	11.4.1.7
Mature leaf: length of tooth N_2	612	11.4.1.8
Mature leaf: width of tooth N_2	613	11.4.1.9
Mature leaf: length of tooth N_4	614	11.4.1.10
Mature leaf: width of tooth N_4	615	11.4.1.11
Mature leaf: number of teeth between the tooth tip of N_2 and the tooth tip of the first secondary vein of N_2 including the limits	616	11.4.3.1
Mature leaf: length between the tooth tip of N_2 and the tooth tip of the first secondary vein of N_2	617	11.4.1.12
Mature leaf: opening/overlapping of petiole sinus	618	11.4.1.13
SSR-marker VVS2	801	12.13.1.1
SSR-marker VVMD5	802	12.13.2.1
SSR-marker VVMD7	803	12.13.3.1
SSR-marker VVMD27	804	12.13.4.1

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SSR-marker VrZAG62	805	12.13.5.1
SSR-marker VrZAG79	806	12.13.6.1
SSR-marker VVMD32 (according to Resolution OIV-VITI 609-2019)	807	12.13.7.1
SSR-marker VVMD25 (according to Resolution OIV-VITI 609-2019)	808	12.13.8.1
SSR-marker VVMD28 (according to Resolution OIV-VITI 609-2019)	809	12.13.9.1

[1] New codification proposed according to the Universal Decimal Classification (UDC).

[2] Code OIV 601 and OIV 602

[3] Code OIV 602 and OIV 603

[4] Code OIV 603 and OIV 604

[5] Code OIV 603

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