

1

New Grapes: What?

- In France: VIFA—grapes approved in established AOCs as *variété d'intérêt à fin d'adaptation***
- All over the world: grape breeding institutes, universities, and private breeders are at work creating new varieties**
- PIWI varieties: fungus and disease resistant**
- Hybrid grapes: increasingly adopted**

2

New Grapes: Why?

Allows for the expansion of organic viticulture

More sustainable/lower cost

Responsive to the challenges of climate change

Offers something new and exciting

More potential for cool-climate red wines

High yields, early harvest, excellent acidity

3

Vinifera grapes on the move....

Agioritiko in Provence, Albariño in Bordeaux...

Rise of the hybrids...


Ráthay in Austria, Voltis in Champagne...

New and Improved (?)

PIWI Varieties...Solaris (Germany)...Luminan (Cognac)...



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Deep  **Dives**

Erbamat **Arinarnoa** **Ráthay**

Ráthay **Roesler** **Voltis**

Vidal **Souvignier Gris**

Muscaris **Pinotin**

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Vinifera grapes on the move...




6

Franciacorta DOCG (2017)

Erbamat




7




Erbamat

An old variety, native to northern Italy



*former DOC, now part of the Riviera del Garda Classico DOC



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Erbamat

Added to Italy's National Grape Registry in 2007 (as *Verdealbara*)



Varietà da vino	Varietà da tavola	Partimenti	Varietà a denominazione particolare	Varietà per le sole modificazioni																												
Tube	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z						
Codice	Varietà		Data emanazione	Sinonimi	Assonazioni	Gazzetta ufficiale	del																									
295	Valentino N.		1977-06-26			G.U. 303	1977-11-07																									
922	Valosia B.		2020-06-09	F21942 B.	Uve non utilizzabili per i vini a denominazione di origine ex art. 25, comma 6 della legge n. 238/2016	G.U. 152	2020-06-17																									
296	Vega B.		1977-06-29			G.U. 96	1973-04-24																									
290	Vellner B.		1973-03-22		Gruzer Vellner	G.U. 149	1970-05-17																									
250	Verdeca B.		1970-05-25		Colombara Bianca	G.U. 36	2007-03-15																									
251	Verdeca B.		2007-01-09	(119) Erbamat		G.U. 149	1970-05-17																									
491	Verdealbara B.		1970-05-25	(119) Pamparola B.		G.U. 127	2014-06-24																									
232	Verdeca B.		2014-05-15		(254) Verdealbara B. (297) Verdealbara B.	G.U. 71	1973-03-22																									
489	Verdeca B.		1973-03-22			G.U. 291	1996-12-12																									
253	Verdeca B.		1996-11-19			G.U. 149	1970-06-17																									
337	Verdeca B.		1970-05-25		Trobbiano di Lugana (236) Trobbiano di Soave B. (233) Verdealbara B. (297) Verdealbara Pavesetta "Verdealbara Verdeca"	* Limitatamente alla Provincia autonoma di Trento ** Limitatamente alla Regione Lazio																										
254	Verdealbara B.		1970-05-25			G.U. 149	1970-06-17																									

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Erbamat

2017: approved for limited use in Franciacorta DOCG



Photo via: <https://www.circleofwinewriters.org/>

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Erbamat



Noted for adaptability to warm climates, age-ability, & acid retention



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Bordeaux and Bordeaux Supérieur AOCs (2021)

**Médoc, Haut-Médoc, & Listrac-Médoc AOCs
(red grapes only, 2022)**

**Arinarnoa, Castets, Marselan,
Touriga Nacional, Albariño, Lilliorila**



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Castets:

A forgotten variety; native to SW France



Marselan:

Cabernet Sauvignon X Grenache



Touriga Nacional:

Portuguese variety used in Port (and other wines of Portugal)



Albariño:

Famous in Galicia (Rías Baixas and beyond) as well as Portugal's Vinho Verde (as *Alvarinho*)



Liliorila:

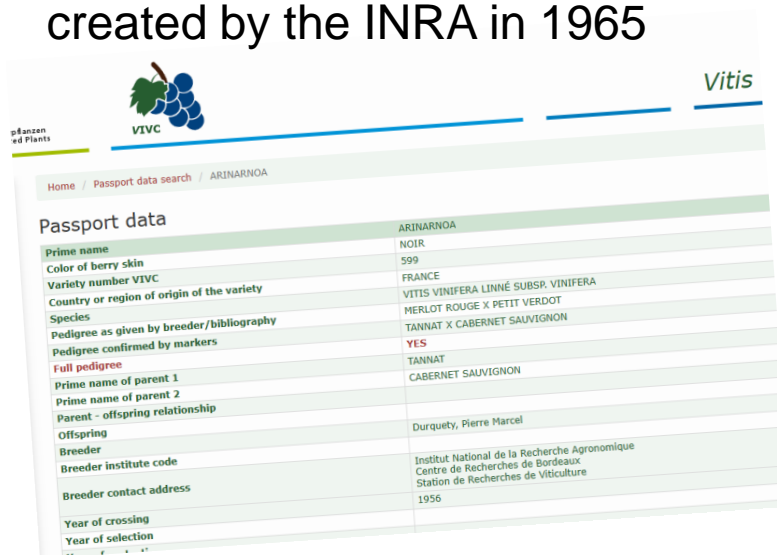
Baroque X Chardonnay

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Arinarnoa

Tannat X Cabernet Sauvignon,
created by the INRA in 1965



Home / Passport data search / ARINARNOA

Passport data	
Prime name	ARINARNOA
Color of berry skin	NOIR
Variety number VIVC	599
Country or region of origin of the variety	FRANCE
Species	VITIS VINIFERA LINNÉ SUBSP. VINIFERA
Pedigree as given by breeder/bibliography	MERLOT ROUGE X PETIT VERDOT
Pedigree confirmed by markers	TANNAT X CABERNET SAUVIGNON
Full pedigree	YES
Prime name of parent 1	TANNAT
Prime name of parent 2	CABERNET SAUVIGNON
Parent - offspring relationship	
Offspring	Durquety, Pierre Marcel
Breeder	
Breeder institute code	Institut National de la Recherche Agronomique Centre de Recherches de Bordeaux Station de Recherches de Viticulture
Breeder contact address	1956
Year of crossing	
Year of selection	

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Arinarnoa

Late budding, resistant to grey rot, can maintain acidity in wine climates



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Arinarnoa

Can produce structured, tannic wines with natural, deep color



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(Proposed) Côtes de Provence AOC

**Agiorgitiko, Calabrese, Moschofilero,
Verdejo, Xinomavro**



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Agiorgitiko:

One of the leading red grapes of Greece; sole variety allowed in the Nemea PDO (Peloponnese Peninsula)



Calabrese:

Aka Nero d'Avola; leading red grape of Sicily and Calabria, thrives in warm climate



Moschofilero:

Pink-skinned variety from the Peloponnese; widely grown throughout Greece



Verdejo:

Leading white grape of the Rueda DO; known to be drought resistant



Xinomavro:

Another leading red grape of Greece; sole variety allowed in the Noussa PDO (Northern Greece/Macedonia)

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Rise of the hybrids...




19

Austria PDO (2018)

Ráthay, Roesler




20



Ráthay

Multi-species hybrid created in 1970
Blauburger X Klosterneuburg 1189-9-77




Vitis Interna

Home / Passport data search / RATHAY

Passport data

Prime name	RATHAY
Color of berry skin	NOIR
Variety number VIVC	16398
Country or region of origin of the variety	AUSTRIA
Species	VITIS VINIFERA LINNÉ SUBSP. VINIFERA
Pedigree as given by breeder/bibliography	BLAUBURGER X KLOSTERNEUBURG 1189-9-77 (SEYVE VILLARD 18-402 X BLAUFRAENKISCH)
Pedigree confirmed by markers	YES
Full pedigree	BLAUBURGER KLOSTERNEUBURG 1189- 9- 77
Prime name of parent 1	
Prime name of parent 2	
Parent - offspring relationship	
Offspring	Mayer, Gertrude
Breeder	AUT024
Breeder institute code	Höhere Bundeslehranstalt und Bundesamt für Wein- und Obstbau HBLAuBA Klosterneuburg
Breeder contact address	
Year of crossing	1970

21



Ráthay

PIWI variety; quite resistant to fungal diseases and extremely cold-hardy
Very well suited to organic viticulture






Photo credit: <https://www.oesterreichwein.at/presse-multimedia>

22




Ráthay

Produces flavorful, tannic wines with deep, dark colors; often blended with paler varieties



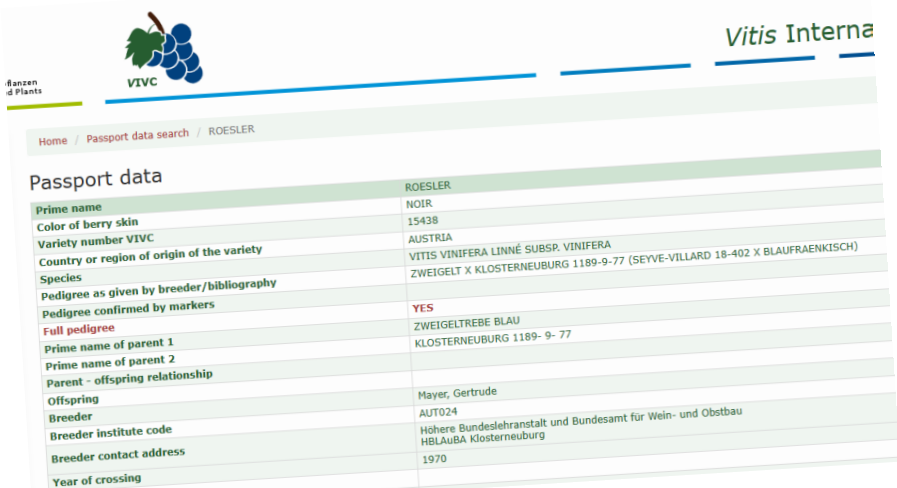
Photo credit: <https://www.oesterreichwein.at/presse-multimedia>

23



Roesler

Multi-species hybrid created in 1970
Zweigelt X Klosterneuburg 1189-9-77



Home / Passport data search / ROESLER

Passport data	
Prime name	ROESLER
Color of berry skin	NOIR
Variety number VIVC	15438
Country or region of origin of the variety	AUSTRIA
Species	VITIS VINIFERA LINNÉ SUBSP. VINIFERA
Pedigree as given by breeder/bibliography	ZWEIFELT X KLOSTERNEUBURG 1189-9-77 (SEYVE-VILLARD 18-402 X BLAUFRAENKISCH)
Pedigree confirmed by markers	YES
Full pedigree	ZWEIFELTREBE BLAU KLOSTERNEUBURG 1189- 9- 77
Prime name of parent 1	
Prime name of parent 2	
Parent - offspring relationship	
Offspring	Mayer, Gertrude
Breeder	AUTO24
Breeder institute code	Höhere Bundeslehranstalt und Bundesamt für Wein- und Obstbau
Breeder contact address	HBLAUBA Klosterneuburg
Year of crossing	1970

24



Roesler

PIWI variety; partial resistance to fungal diseases; cold hardy; well-suited to organic viticulture



Photo credit: <https://www.oesterreichwein.at/presse-multimedia>

25



Roesler

Produces fruity red wines with very dark color and firm structure; excellent capacity for barrel aging




Photo credit: <https://www.oesterreichwein.at/presse-multimedia>


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Champagne AOC (2022)

Voltis





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Voltis


PIWI variety created by the INAO (France) and the Julius Kühn Institute (Germany)





Passport data	
Prime name	VOLTIS
Color of berry skin	BLANC
Variety number VIVC	25807
Country or region of origin of the variety	FRANCE
Species	VITIS VINIFERA LINNÉ SUBSP. VINIFERA
Pedigree as given by breeder/bibliography	VILLARIS X MTP 3159-2-12
Pedigree confirmed by markers	YES
Full pedigree	VILLARIS
Prime name of parent 1	VRH3159- 2- 12
Prime name of parent 2	
Parent - offspring relationship	
Offspring	Schneider, Christophe-Joseph
Breeder	FRA038
Breeder institute code	UMR1131 Santé de la Vigne et Qualité du Vin INRA - UNISTRA
Breeder contact address	Équipe Génétique et Amélioration de la Vigne
Year of crossing	2002
Year of selection	
Year of protection	

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Voltis

A complex hybrid containing DNA from *Vitis vinifera*, *Vitis berlandieri*, *Vitis rupestris*, and *Vitis muscadinia*

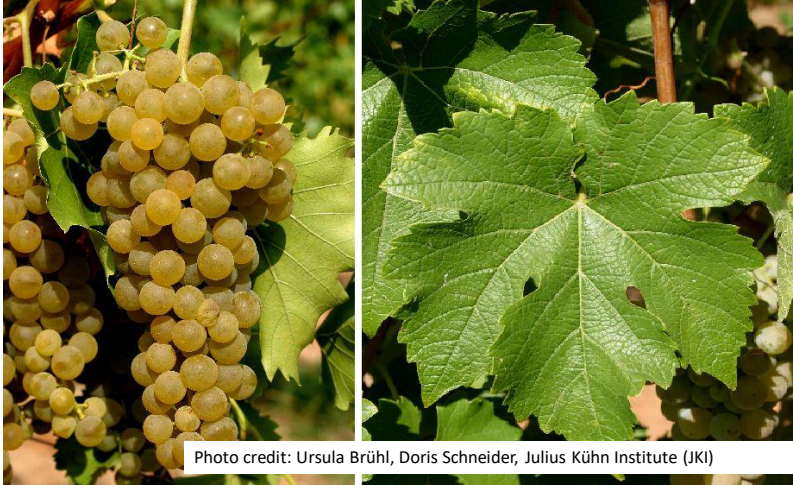



Photo credit: Ursula Brühl, Doris Schneider, Julius Kühn Institute (JKI)



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Voltis


2022: Approved for limited use (5% of vineyards, 10% of blend) in the Champagne AOC (VIFA)




30

(Proposed) Cognac AOC:

Vidal



31



Vidal

French hybrid created by Jean-Louis Vidal (1930s). *Original purpose: use in Cognac!*





Passport data	
Prime name	VOLTIS
Color of berry skin	BLANC
Variety number VIVC	25807
Country or region of origin of the variety	FRANCE
Species	VITIS VINIFERA LINNÉ SUBSP. VINIFERA
Pedigree as given by breeder/bibliography	VILLARIS X MTP 3159-2-12
Pedigree confirmed by markers	YES
Full pedigree	VILLARIS
Prime name of parent 1	VEH3159- 2- 12
Prime name of parent 2	
Parent - offspring relationship	
Offspring	Schneider, Christophe-Joseph
Breeder	FRAG38
Breeder institute code	UMR1131 Santé de la Vigne et Qualité du Vin INRA - UNISTRA
Breeder contact address	Équipe Génétique et Amélioration de la Vigne
Year of crossing	2002
Year of selection	
Year of protection	
Formation of seeds	COMPLETE
Sex of flowers	HERMAPHRODITE
Taste	NONE

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Vidal

PIWI Variety;
Ugni Blanc X Rayon d'Or (Seibel 4986)



Photo by: Agne27 via Wikimedia Commons

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Vidal

Prized in North America due to its cold-hardiness (and lack of *foxiness*)



34



New and Improved (?)



35

Austria PDO:

Muscaris, Sauvignier Gris



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Muscaris

PIWI variety created (1987) by Norbert Becker (Freiburg, Germany)




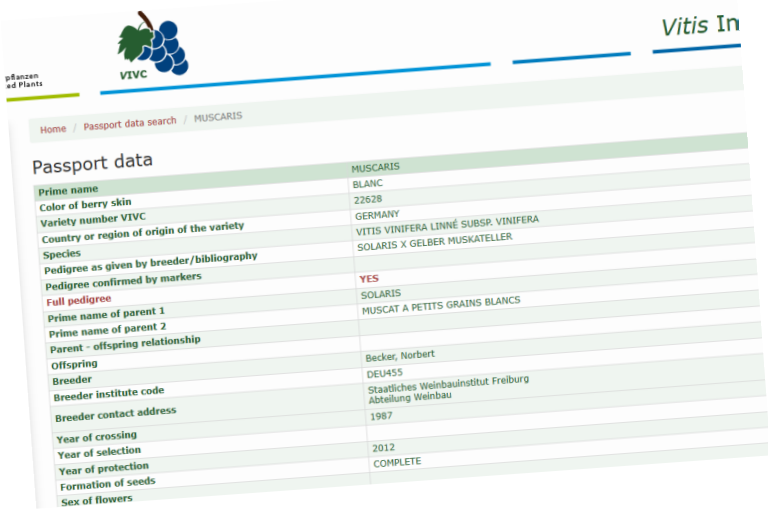

Photo via: *Staatliches Weinbauinstitut Freiburg* (State Institute for Viticulture and Enology)

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Muscaris

Complex hybrid; Solaris x Muskateller

Passport data

Prime name	MUSCARIS
Color of berry skin	BLANC
Variety number VIVC	22628
Country or region of origin of the variety	GERMANY
Species	VITIS VINIFERA LINNÉ SUBSP. VINIFERA
Pedigree as given by breeder/bibliography	SOLARIS X GELBER MUSKATELLER
Pedigree confirmed by markers	YES
Full pedigree	SOLARIS
Prime name of parent 1	MUSCAT A PETITIS GRAINS BLANCS
Prime name of parent 2	
Parent - offspring relationship	
Offspring	Becker, Norbert
Breeder	DEU455
Breeder institute code	Staatliches Weinbauinstitut Freiburg Abteilung Weinbau
Breeder contact address	1987
Year of crossing	
Year of selection	2012
Year of protection	COMPLETE
Formation of seeds	
Sex of flowers	

38



Muscaris

Can produce wine reminiscent of *Muscat* (grape, citrus, and floral aromas); often used in sparkling wine



Photo credit: <https://www.oesterreichwein.at/presse-multimedia>

39



Souvignier Gris

PIWI variety—another creation of Norbert Becker at Freiburg—1983



Norbert Becker (1937-2012)
German agricultural scientist specializing in
vine breeding and viticulture; created
dozens of fungus-resistant vines

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Souvignier Gris

Complex hybrid:
Seyval Blanc x Zähringer



anzen Plants  Vitis Internati

Home / Passport data search / SOUVIGNIER GRIS

Passport data

Prime name	SOUVIGNIER GRIS
Color of berry skin	ROSE
Variety number VIVC	22629
Country or region of origin of the variety	GERMANY
Species	VITIS VINIFERA LINNÉ SUBSP. VINIFERA
Pedigree as given by breeder/bibliography	CABERNET SAUVIGNON x BRONNER
Pedigree confirmed by markers	SEYVAL & ZAEHRINGER
Full pedigree	YES
Prime name of parent 1	SEYVAL BLANC
Prime name of parent 2	ZAEHRINGER
Parent - offspring relationship	
Offspring	Becker, Norbert
Breeder	DEU455
Breeder institute code	Staatliches Weinbaumstitut Freiburg
Breeder contact address	Abteilung Weinbau
Year of crossing	1983
Year of selection	
Year of protection	2012
Formation of seeds	COMPLETE

Zähringer = Gewürztraminer x Riesling

41



Souvignier Gris


Produces fruity, non-aromatic wine
that is rich in extract; often
compared to Pinot Gris



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Mosel PDO (2022)

Pinotin



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Pinotin

PIWI Variety created in Switzerland (1991) by Valentin Blattner




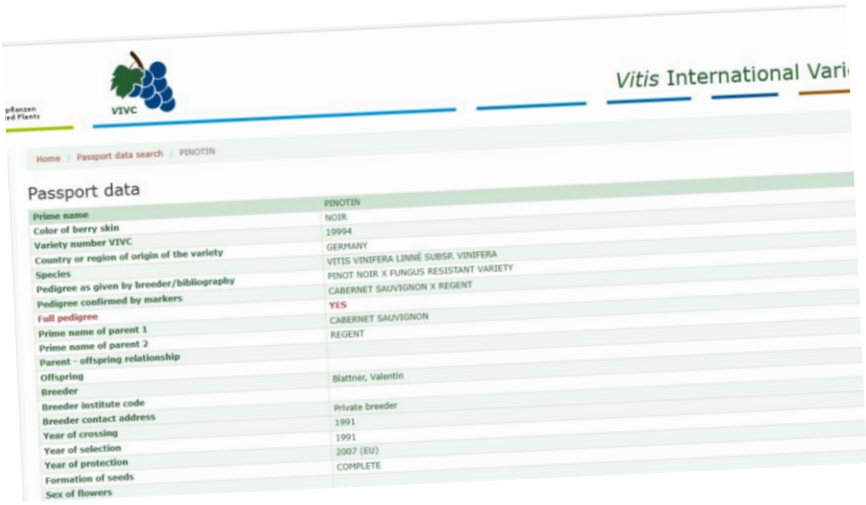
Photos via: <https://slotovino.blogspot.com/>

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Pinotin

Complex hybrid recently revealed as:
Pinot Noir X (JS 12417 X Chancellor)


Vitis International Varieties

Home | Passport data search | PINOTIN

Passport data



Prime name	PINOTIN
Color of berry skin	NOIR
Variety number VIVC	19994
Country or region of origin of the variety	GERMANY
Species	VITIS VINIFERA LINNÉ SUBSP. VINIFERA
Pedigree as given by breeder/bibliography	PINOT NOIR X FUNGUS RESISTANT VARIETY
Pedigree confirmed by markers	CABERNET SAUVIGNON X REGENT
Full pedigree	YES
Prime name of parent 1	CABERNET SAUVIGNON
Prime name of parent 2	REGENT
Parent - offspring relationship	
Offspring	Blattner, Valentin
Breeder	
Breeder institute code	Private breeder
Breeder contact address	
Year of crossing	1991
Year of selection	1991
Year of protection	2007 (EU)
Formation of seeds	COMPLETE
Sex of flowers	

45



Pinotin

Produces wine reminiscent of Pinot Noir
(fruity/cherry aromas; notes of
earth/forest floor) but with more intensity
of color, tannin, and depth.

46

(Proposed) Cognac AOC:

Coutia, Luminan



47



Coutia

- New interspecies hybrid
- Ugni Blanc X Montpellier RV4/INRA RV4 (descended from *Muscadinia rotundifolia*)
- Created via the INRA* at Montpellier and the BNIC**
- Registered in 2021



Luminan

- New interspecies hybrid
- Ugni Blanc X Montpellier RV4/INRA RV4 (descended from *Muscadinia rotundifolia*)
- Created via the INRA* at Montpellier and the BNIC**
- Registered in 2021

*INRA—*Institut National de la Recherche Agronomique*
(National Institute of Agricultural Research)

**BNIC—*Bureau National Interprofessionnel du Cognac*

48




Let's Review!



49

Name one reason we are seeing so many *new grapes in old regions*:



50



Coutia, Vidal, and Luminan—all hybrids—have been proposed as possible new varieties in what famous spirit?

51



For what type and style of wine is Vidal most widely used?

52



Many “new grapes” are fungus-resistant. What German nickname is often used to describe them?

53



What hybrid grape has recently been approved for (limited) use in the Champagne AOC?

54




Pinotin—now grown in small amounts in Germany's Mosel—was created in the town of Soyhières...in what country?

55



Name ONE of the five Bordeaux AOCs currently allowed to use Marselan:

56



Agiorgitiko, Calabrese, Moschofilero, Verdejo, and Xinomavro have been proposed for use in what appellation?

57



Thank you for joining us!



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Upcoming Members-Only Webinars:



Thursday, May 4
Spirits Mini-Conference



Saturday, June 10
10:00 am central time



Sunday, July 23
4:00 pm central time