

Conservation and sustainable use of grapevine genetic resources in the Caucasus and Northern Black Sea region

Fifth Project Meeting
Kuban State Agrarian University
Krasnodar, Russian Federation
15-17 October 2007

Preliminary publication of the project database via the Vitis
International Variety Catalogue (VIVC)

Evaluation of the project database

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Bundesministerium
für Verbraucherschutz, Ernährung
und Landwirtschaft

Remarks about the two *Vitis* databases:

European *Vitis* Database (since 1997) <http://www.genres.de/eccdb/vitis>

Inventory of 18 European grapevine collections.

- Each accession of the 18 European grapevine collections is registered and can be identified by its unique **accession number**, to which descriptor data, photos and SSR-marker data are assigned.

***Vitis* International Variety Catalogue (since 1983)** <http://www.vivc.bafz.de>

Inventory of grapevine species, cultivars and breeding lines which are named in literature and/or occurring in grapevine collections.

- Registered are about 22.000 **prime names** of *Vitis* species, cultivars and breeding lines to which information on passport data, descriptor data, photos, etc. are assigned.

The European *Vitis* database: (<http://www.dainet.de/eccdb/vitis>)

European Vitis Database

Passport Data
Single Field
Species

Multi Fields

Primary & Sec. Descriptors
Single Field
begin of berry ripening

Multi Fields

Pictures
Single Field
Accession Name

Multi Fields

Descriptors (Definition)
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Primary & Sec. Descriptors
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Descriptors

Your Feedback

GENRES #081
Vitis Internat. Variety Catalogue
GENRES

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European *Vitis* Database

Impressum - Database-Info

© Federal Centre for Breeding Research on Cultivated Plants (BAZ), Institute for Grapevine Breeding Geilweilerhof
An Information Service of the German Centre for Documentation and Information in Agriculture (ZADI) Bonn
Last Modified: November, 2002

Vitis International Variety Catalogue (2nd edition June 2007)

<http://www.vivc.bafz.de>



Vitis International Variety
Catalogue (VIVC)

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Holding institutions

Search criterion : ARMENIA

Search result : 1 (1 -- 1)

| First | Last |

Institute code	Institute
ARM011	International Academy of Viticulture and Wine Making
	375002 Yerevan

| First | Last |

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Accessions hold by the institution

Search criterion : ARM011

Search result : 133 (1 -- 100)

> 133 Accessions / 67 Prime names

| [First](#) | [Next](#) | [Last](#) |

Prime name	Accession name	Accession number	Trueness to type
AIGEZARD	AIGEZARD	ARM011-27	
AIGEZARD	AIGEZARD	ARM011-XII-23-30	
AIGEZARD	AIGEZARD	ARM011-27-43-44	
AIGEZARD	AIGEZARD	ARM011-IV-49-94	
ANAHIT	ANAHIT	ARM011-VI-20-23	
ANUSH	ANUSH	ARM011-VII-12(1)	
ANUSH	ANUSH	ARM011-VII-12(11-20)	
ANUSHAYUT	ANUSHAYUT	ARM011-FR-1-2	
ARAGATSI	ARAGATSI	ARM011-27-29-30	
ARAKSENI BELYI	SPITAK ARAKSENI	ARM011-49-59	
ARAKSENI CHERNYI	SEV ARAKSENI	ARM011-5	
ARARATI	ARARATI	ARM011-2-37	
ARAZI	ARAZI	ARM011-XI-18-20	
ARAZI	ARAZI	ARM011-VII-39(41-51)	
ARAZI	ARAZI	ARM011-IX-8	
ARAZI	ARAZI	ARM011-VII-26(26-50)	
ARENI CHERNYI	ARENI	ARM011-3-17	
AREVAR	AREVAR	ARM011-27-64-65	
AREVAR	AREVAR	ARM011-4(47-78)	
AREVSHAT	AREVSHAT	ARM011-29-30	
AREVSHAT	AREVSHAT	ARM011-XII-18-22	
AREVSHAT	AREVSHAT	ARM011-III-6-9	
AREVSHAT	AREVSHAT	ARM011-27-41-42	
AREVSHAT	AREVSHAT	ARM011-VII-11	
ARMAVIR	ARMAVIR	ARM011-XI-11-14	
ARMAVIR	ARMAVIR	ARM011-XI-28-31	
ARMAVIR	ARMAVIR	ARM011-VII-27(1-10)	
ARMENIA	ARMENIA	ARM011-27-23-24	
ARMENIA	ARMENIA	ARM011-36	
ARPA	ARPA	ARM011-XI-26-27	
ARTASHATI KARMIR	ARTASHATY KARMIR	ARM011-FR-15-18	
ARTASHATI KARMIR	ARTASHATY KARMIR	ARM011-21-1-48	
ARTASHATI KARMIR	ARTASHATY KARMIR	ARM011-XI-41-53	
ASHTARAKI	ASHTARAKI	ARM011-XI-55-56	
ASKERI	NAZELI	ARM011-4(1-25)	
AZATENI	AZATENI	ARM011-22	
AZATENI	AZATENI	ARM011-VII-35	
BERKANUSH	BERKANUSH	ARM011-VII-29	
BERKARAT	BERKARAT	ARM011-V-22-31	

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Passport data

Note : use the list fields to select the search criterias.
use % as wildcard at the beginning of a keyword for searching for the word with multiple beginnings.

Species	<input type="text" value="Please select"/>
Cultivar name	<input type="text"/>
Holding institutions	<input type="text" value="ARM011 International Academy of Viticulture and Wine Making (375002 Yerevan)"/>
Pedigree	<input type="text"/>
Breeder	<input type="text" value="Please select"/>
Country of origin	<input type="text" value="ARMENIA"/>
Color of berry skin	<input type="text" value="Please select"/>
Utilization	<input type="text" value="Please select"/>
Year of crossing	<input type="text" value="Please select"/>
Year of selection	<input type="text" value="Please select"/>
Formation of seeds	<input type="text" value="Please select"/>
Sex of flowers	<input type="text" value="Please select"/>

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**Analysis of the grapevine collections of
Armenia, Azerbaijan, Georgia, Moldavia, Russia and Ukraine
(October 2007)**

After intensive communication on cultivar identity (diverse passport data, berry color and others) we count:

- **Total number of accessions = 2654**
- **Total number of different cultivars = 1283**
- **From the 1283 different cultivars, $\frac{3}{4}$ (= 952 cultivars) seem to exist only in the project partners collections**
- **The remaining $\frac{1}{4}$ of the 1283 different cultivars exist mainly in grapevine collections of Eastern European countries**

Analysis of the grapevine collections of Armenia, Azerbaijan, Georgia, Moldavia, Russia and Ukraine (October 2007)

	no of accessions maintained in the national grapevine collections	no of cultivars maintained in the national grapevine collections	no of autochthonous cultivars of the corresponding country existing in the 6 project partners collections	no of autochthonous cultivars maintained in the corresponding country
ARM011	97	67	135	63
AZE007	428	412	295	294
GEO014, GEO015, GEO017, GEO018, GEO019	147,40,255,181,255	390	460	388
MDA004	435	297	56	40
RUS 02	462	435	212	101
UKR050	353	291	125	83
	Total: 2654	Total: 1283	Total: 1283	Total: 869

Analysis of the grapevine collections of Armenia, Azerbaijan, Georgia, Moldavia, Russia and Ukraine via the VIVC

Differences are due to:

- **Status of the accession was not clear (several locations in the collection were considered as distinct accessions)**
- **Accessions had not been added because a new code had been given**
- **Country of origin is registered in the VIVC in a different way**

Analysis of the grapevine collections of Armenia, Azerbaijan, Georgia, Moldavia, Russia and Ukraine

If several locations were given for one accession, they were considered as distinct accessions.

ACCENAME(orig)	Institute	INSTCODE	
ARMAVIR	NEB	ARM011	plot VII, lines 27; plot XI, lines 11-14, 28-31
SAPERAVI	NEB-Nalbandian experimental branch - Nalbandyan (Armavir region)	ARM011	plot VI, line 7, plot XI, line10
Галабура	OPH "Anapa" - Anapa	RUS 02	2-28(13-14), 3-2(67-69), 4-5(111-112)
Бэнди	OPH "Anapa" - Anapa	RUS 02	2-18(27-28), 1-42(5)

Analysis of the grapevine collections of Armenia, Azerbaijan, Georgia, Moldavia, Russia and Ukraine

Accessions had not been added because a new code had been given

ACCENUMB	ACCENAME englisch	Standort	ACQDATE	INSTCODE
VIT-41	AZERI	Line 30 plot 1-24	1974	AZE007
VIT-70	BEHRELI	Line 14 plot 11-34	1974	AZE007
VIT-112	DEVE GYOZYU	Line 14 plot 18-23	2002	AZE007

Analysis of the grapevine collections of Armenia, Azerbaijan, Georgia, Moldavia, Russia and Ukraine

Recommendation:

- **An accession code number independent from the location number in the grapevine collection has to be created.**
- **A unique accession number is a prerequisite for the accessions registered in the European *Vitis* Database**
- **The institute code should be a constituent of it like:
“AZE007-VIT-41”**

Analysis of the grapevine collections of Armenia, Azerbaijan, Georgia, Moldavia, Russia and Ukraine

Conclusion:

- **The autochthonous varieties of the Caucasus and Northern Black Sea region are concentrated nearly 100 % in the collections of the Eastern European, respectively the six participating project countries.**
- **Being genetically different from Western European grapevine germplasm their survival has to be ensured at least by double maintenance.**
- **In that context the VIVC will soon offer the possibility to search for cultivars which are maintained in only one or in two grapevine collections. Hence for rare cultivars double conservation could be organised.**