

Vitis sylvestris germplasm in Republic of Macedonia

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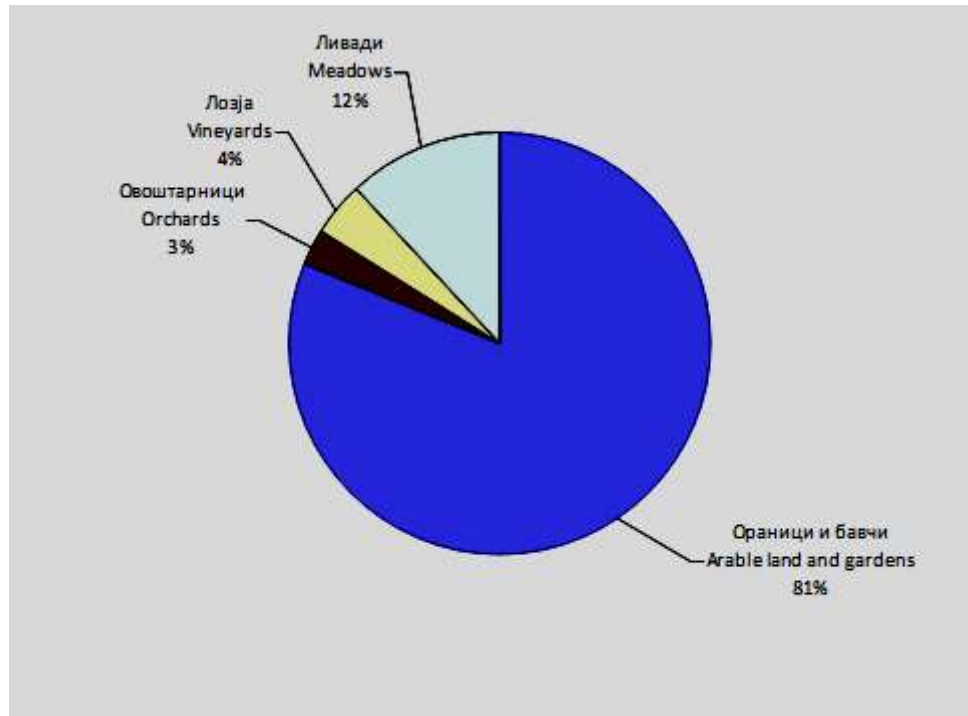
THE REPUBLIC OF MACEDONIA

- Landlocked country in the heart of the Balkans
- Border countries: Serbia, Bulgaria, Greece & Albania
- Size: 25.7 thousand km²
- Population: 2.0 million
- Candidate status for EU



THE REPUBLIC OF MACEDONIA

Structure of cultivated land %



MACEDONIAN VITICULTURE

History and Tradition

- The wine is one the Macedonian symbols



MACEDONIAN VITICULTURE

Today

- Vineyards Area (2015): 33.500 ha
 - Wine varieties 24 777 ha
- 70% wine varieties
- 30% table grape varieties
- 50% red and 50% white varieties



Vitis sylvestris in Macedonia

History

- Macedonian ampelography, Nastev 1977
- In Macedonia *V. vinifera* ssp *sylvestris* is spread through the valleys of the biggest rivers: Vardar, Crna, Bregalnica and Crn Drim.
- The richest with the *V. vinifera* ssp *sylvestris* is the valley of Vardar river

Vitis sylvestris in Macedonia History

- the type with the entire leaf
- the type with the leaf with the five lobes



Vitis sylvestris in Macedonia

History

	entire leaf	5 lobe leaf
Cluster length (cm)	5.71	9.10
Cluster width (cm)	3.14	3.57
Cluster weight (g)	10.3	19.1
Sugar (L/g)	240	246
Total acids(L/g)	11.27	12.05

Vitis sylvestris in Macedonia

History

- **2007 SEEDNet project**
- **Identification, conservation and characterisation of *Vitis vinifera* ssp *sylvestris* germplasm in the Region of South East Europe**
- Five expeditions

Vitis sylvestris in Macedonia History

- Crn Drim river valley
(village Lozani)
- Vardar River valley
(Demir Kapija Canyon)



Vitis sylvestris in Macedonia

Crn Drim river valey

Map location code	1 (1/1; 1/2)
Location	Village near river Crn Drim; 702m; N41°13'81'' E20°41'14''
Frequency	Two plant
Condition	Well devolped with berries
Habitat	Blackberry, herbaceous, willow

Vitis sylvestris in Macedonia

Vardar river valey

Map location code	2 (2/3; 2/4)
Location	Demir Kapija, the Canyon of Vardar river valley; 108m; N41°24'28'' E22°16'62''
Frequency	Five plants, two different types
Condition	Well devolped with berries
Habitat	herbaceous, willow

Vitis sylvestris in Macedonia

Vardar river valey

- 2016
- Demir Kapija Canyon
- Five plants
- Two with female flower
- Three with male flower

Vitis sylvestris in Macedonia Demir Kapija Canyon



Vitis sylvestris in Macedonia

Young shoot



Vitis sylvestris in Macedonia

Female flower



Vitis sylvestris in Macedonia

Male flower



Thanks for attention!

