

«NEKTAR» -THE NEW RED VARIETY WINE GRAPE AROMATIC HIGH QUALITY

Authors:P. Zamanidis¹, Ch. Paschalidis², L. Papakonstantinou³, D Taskos¹and Vavoulidou⁴.E

¹ Department of Viticulture of Athens. Institute of Olive Tree, Subtropical Crops and Viticulture, Hellenic Agricultural Organization-DEMETER 1 S. Venizelou Str., 14123, Lykovrisi, Attiki, Greece. Email panzamanidis@yahoo.gr.

² Technological Educational Institute of Peloponnese, School of Agricultural Technology, 24100 Antimalamos, Kalamata

³ Agricultural University of Athens, 75 Iera Odos str., 11855, Botanikos, Attica.

⁴ "ELGO DIMITRA" Athens Soil Science Institute. 1 Venizelou St., 14123 Lykovrysi, Attica.

Corresponding author : chpaschal46@yahoo.gr

Abstract:

Context and purpose of the study - The multi-annual study of the International Genetic Bank of the Grape Vine has shown that red varieties are enough, but the red varieties that produce high-quality red wine are minimal. This paper presents the creation, the study and ampelographic description of the new red variety "Nektar.". The new red variety "Nektar" was created at the Athens Vineyard Institute in 2012.

Material and methods - The variety created by crossing by the method of hybridization of the newly Greek variety "Makedonas" ("Ksinomauro" x "Cabernet Sauvignon") with the newly Greek variety "Tihj" ("Augoulato" with the pollen mix of varieties Cabernet sauvignon and Grenache noir).

Results - The "Nektar" is a new red grape variety wine-making quality aromatic. The duration of the variety from budburst to maturity is 136-145 days. The variety is very strong with large shoot growth (2.1 - 3.0 m). The growth of shoots is higher over 95%. The average mass of cluster is 360 g and the yield is high, 15-20 t / ha. The "Nektar" grape variety is medium, spheric, middle density, the diameter 15 mm, with an average weight of 1,9g and a blue-black color. The flower is hermaphrodite. The pollen is fertile. The quantity of seeds in berry is 3-4. The skin is thick with high strength. The flesh is none or very weak, with a special flavor of the variety, green paper. The content of sugar in must is greater than 24%. The "Nektar" variety, based on its ampelographic and natural characteristics, is classified in the group of varieties *convarietas pontica Neqr*. It is distinguished from by its high resistance to drought and fungal diseases compared to other varieties of *Vitis vinifera* L. The variety is intended for the production of high-quality red wines, and very aromatic juices. Can be used in the genetic improvement of *vitis vinifera* varieties as a quality donor.

Keywords: Hybridization, variety, shoots, leaves, inflorescence, cluster, berry

1. Introduction.

«NEKTAR» -THE NEW RED VARIETY WINE GRAPE AROMATIC HIGH QUALITY

Authors: P. Zamanidis¹, Ch. Paschalidis², L. Papakonstantinou³, S. Sotiropoulos², D. Taskos¹ and M. A. Ovchinnicov⁴

¹Department of Viticulture of Athens, Institute of Olive Tree, Subtropical Crops and Viticulture, Hellenic Agricultural Organization-DEMETER 1 S. Venizelou Str., 14123, Lykovrisi, Attiki, Greece.

²Technological Educational Institute of Peloponnese, School of Agricultural Technology, 24100 Antimalamos, Kalamata

³Agricultural University of Athens, 75 Iera Odos str., 11855, Botanikos, Attica.

⁴Volgograd State Agrarian University, Volgograd Russia, 26 University Prospect

Introduction

The multiyear study of the International Genetic Bank of the Grape Vine has shown that red varieties are common, but the red varieties that produce high-quality red wine are rare. The purpose of this paper is to present a new wine-making quality aromatic red grape variety "Nektar".

Keywords: Hybridization, variety, leaves, inflorescence, berry, seed.



Fig.1 Young shoot of the variety "Nektar"

Material and methods

The new red variety "Nektar" was created by the method of hybridization at the Athens Vineyard Institute in 2012. The variety was created by crossing the newly Greek variety "Makedonas" ("Xinomavro" x "Cabernet Sauvignon") with the newly Greek variety "Tili" ("Augoulato") with the pollen mix of varieties Cabernet sauvignon and Grenache noir). For the creation of the variety were carried out the following tasks: Harvest grapes stratification seeding, seeding planting, cultivation of hybrid seedlings and selecting the best seedlings for candidate varieties. The describe the new variety was done by the methodology of the International Organization of Vine and Wine (OIV 2013).

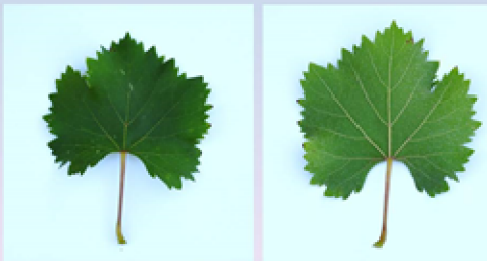


Fig.2 Mature leaves of the variety "Nektar"

Results – Discussion

The duration of the "Nektar" variety from budburst to maturity is 136-145 days. The variety is strong with large shoots growth (2.1 - 3.0 m). The growth of shoots is higher over 95%. The average mass of cluster is 360 g and the yield are high, 1,5-2 t / ha. The "Nektar" grape variety is medium, spheric, middle density, the diameter 15 mm, with an average weight of 1,9g and a blue-black color. The flower is hermaphrodite. The pollen is fertile. The quantity of seeds in berry is 3-4. The skin is thick with high strength. The flesh is white, with a special flavor of the variety, green paper. The content of sugar in must is greater than 24%. The "Nektar" variety, based on its ampelographic and natural characteristics, is classified in the group of varieties convarietas pontica Neqr. It is distinguished from by its high resistance to drought and fungal diseases compared to other varieties of *Vitis vinifera* L.

The variety is intended for the production of high-quality red wines, and very aromatic juices. The new table grape variety with resistance to phylloxera, fungal diseases and unfavorable cold climatic conditions in line with the methodology of the International Organization of Vine and Wine (OIV 2013).

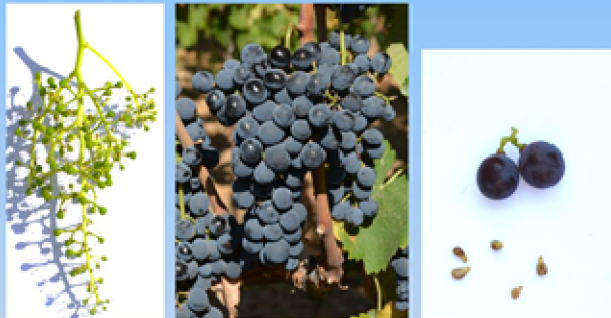


Fig. 3 Inflorescence, bunch, berries of the variety "Nektar"

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