

21st International Geisenheim Conference On Grapevine Propagation

MARKET SITUATION, DEVELOPMENTS AND TRENDS IN GRAPEVINE PROPAGATION- TURKEY

**Hasan ÇELİK/ Professor of Viticulture
Vinero Bağcılık A.Ş. /Gallipoli- TURKEY**

2010.09.03 17:

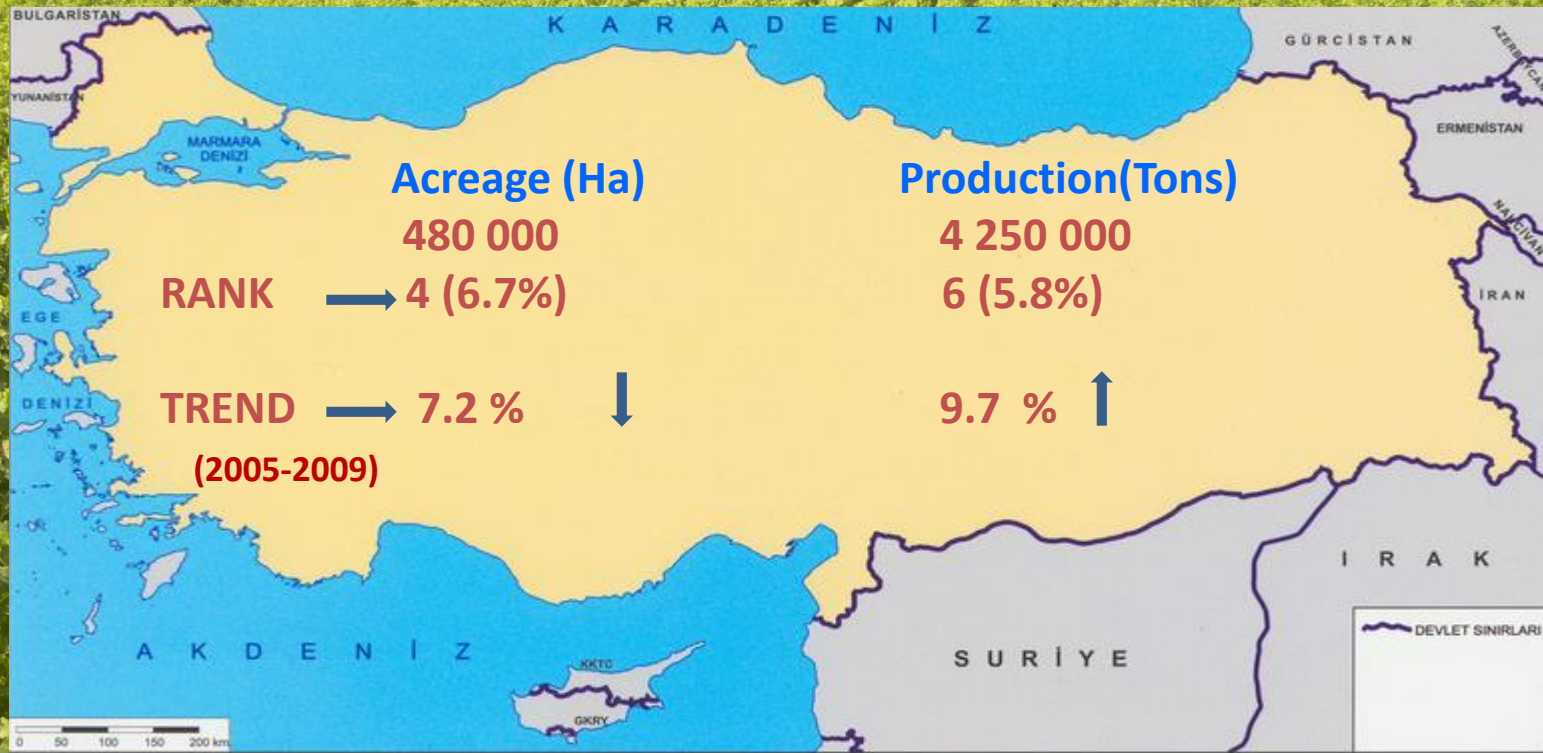
HISTORY OF VINE & WINE

Anatolia which is the major and asiatic part of Turkey is known as the homeland of *Vitis vinifera* L. and vine culture. All great civilizations from Hatties to Islamic Era ruled more than 5000 years in this exceptional geography, emphasized grape and wine culture as the most valued state of art, and left in trust this culture to each other, and inherited a very rich germplasm potential for spp. *sativa* and *sylvestris* populations of *Vitis vinifera* L.



Assyrian Relief (8th century B.C.) in İvriz-Konya

NUMERICAL FACTS ABOUT TURKISH VITICULTURE

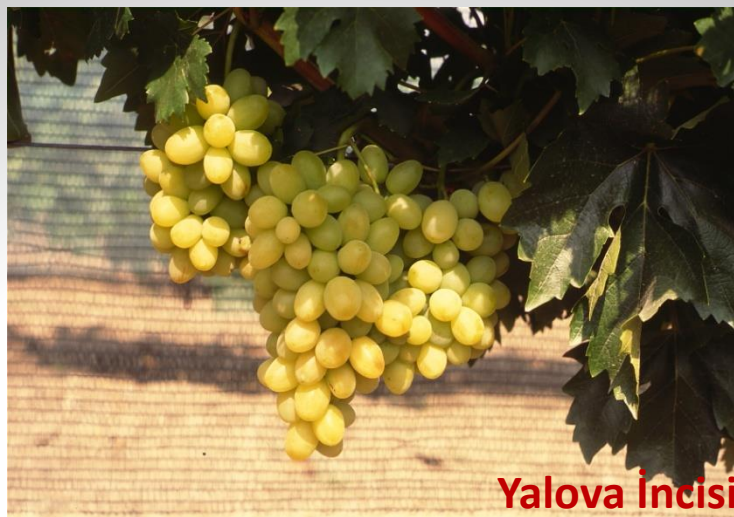
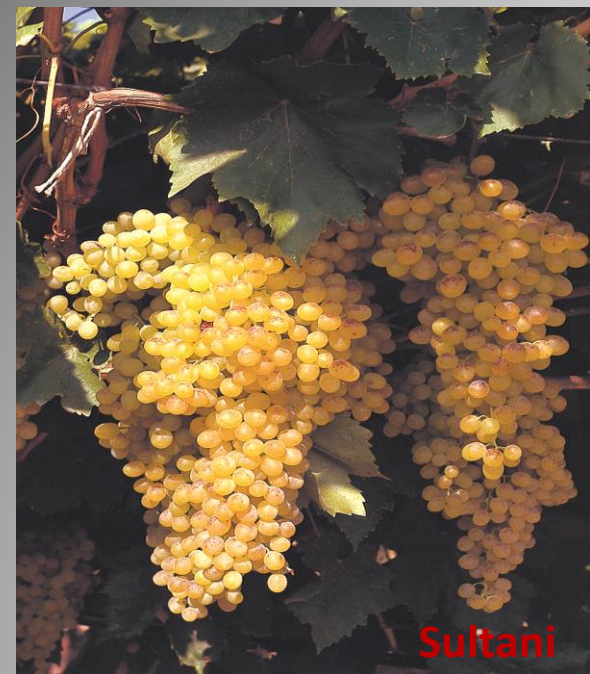


CONCLUSION

1. Better care resulted increase in yield and quality
2. Grape is the leading fruit with 37% share in total fruits

2011.07.15 08:43

Leading Table & Raisin Grape Varieties



Leading Wine Varieties

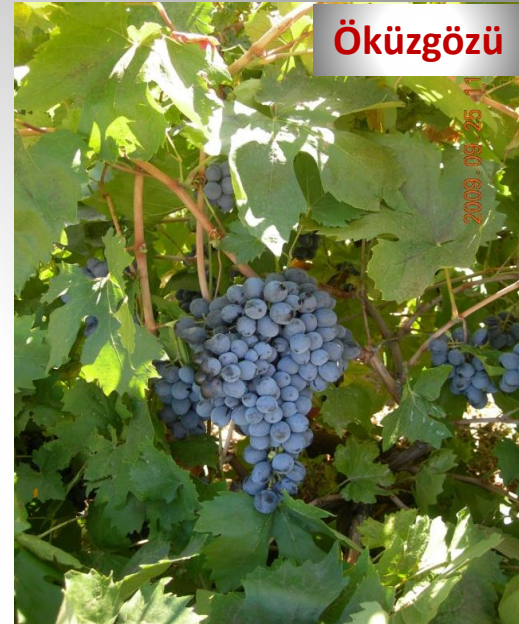
Kalecik Karası



Boğazkere



Öküzgözü



Narince




Kabarcık



Emir



LEADING ROOTSTOCK VARIETIES



	<u>Vigour</u>	<u>Drought Tolerance</u>	<u>Nematode Tolerance</u>	<u>Active Lime Tolerance</u>	<u>Rooting Ability</u>
Kober 5BB	Medium	Low	Medium-High	20%	High
41 B M.G	Medium	Medium-High	Low	40%	Medium
1103 Poulsen	Vigorous	High	Medium	17%	High
110 Richter	Vigorous	Very high	Medium	17%	Medium-Low
Rup. du Lot	Very vigorous	Medium	Medium	15%	Very high

2010.10.19 10:41

CLONAL SELECTION PROGRAMME

	<u>Variety</u>	<u>Clone</u>
<i>Classical 3- stage method (1979-2006-completed)</i>		
Table	19	60
Wine	9	31
Total	28	91
Rootstocks	8	21
<i>Revised 2- stage method (after 2006- continued)</i>		
Table	10	-
Wine	2	-
Raisin	1	-
Total	13	-

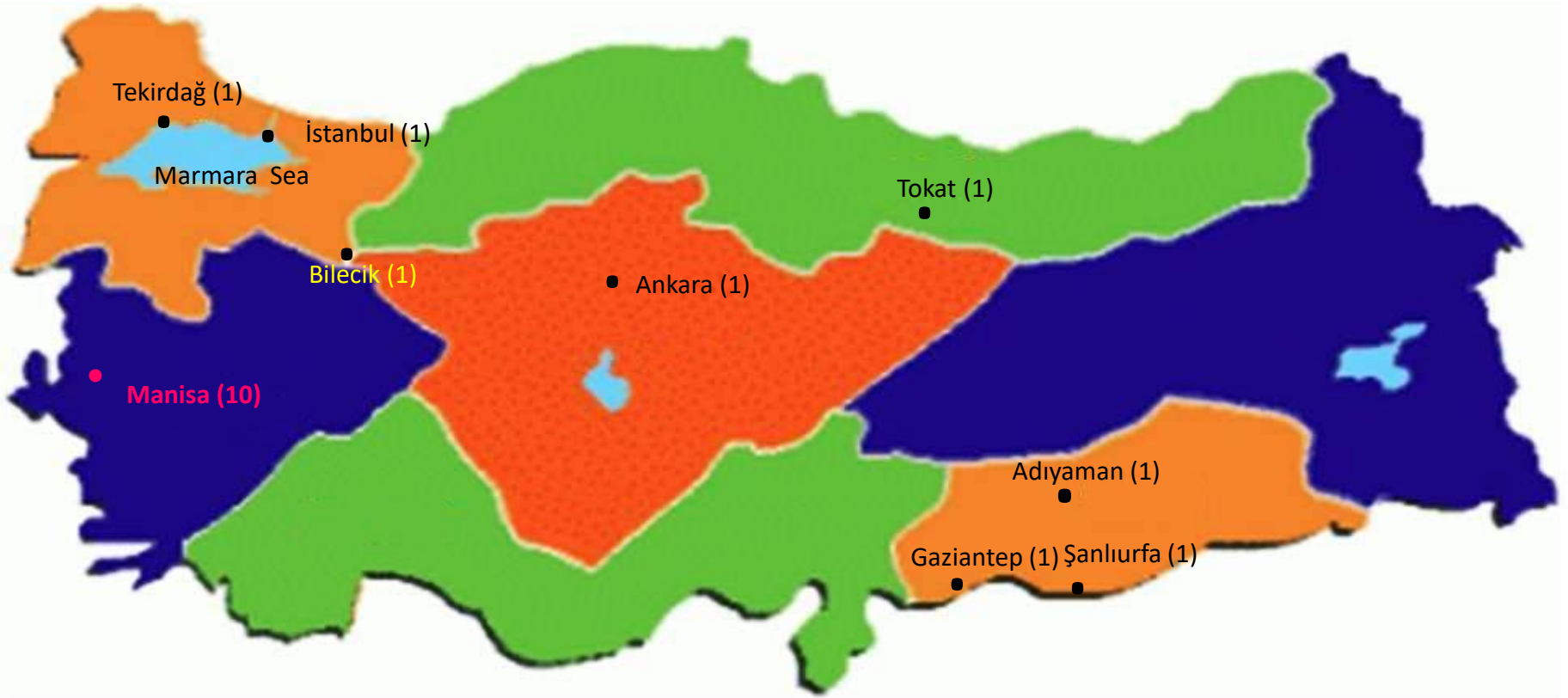
2009.09.16 12:50

GRAPEVINE PROPAGATION IN TURKISH VITICULTURE

- ✓ All grape growing areas infested with phylloxera and nematodes.
- ✓ Grafting is the indispensable basic operation of grape growing.
- ✓ Grafted vines (75%) and field grafting on rootlings (25%) are used in establishing the new vineyards.

2006.05.14 11:29

REGIONAL DISTRIBUTION OF GRAPEVINE NURSERIES



Most of the nurseries are situated in **Manisa** province which is the homeland of **Sultani** with its grape production about 1.4 million tones (*33% of total grape production of Turkey and 50 % of the world raisin production*) located in Aegean Region.

NURSERY PRODUCTION AND TRENDS

Production	Grafted vines	%	Rootlings	%	Total
Average (2006-2010)	3 971 001	73.7	1 415 540	26.3	5 386 541

Trends

- ✓ Tendency in decrease for grafted vine production and increase for rootling production indicates a stable total production, and needs more supports for grafted vine production considering its specific difficulties/risks.
- ✓ A clear predominancy of table grape varieties in grafted vine production is noteworthy in recent years, mainly due to the chaotic tax regulations for wines at the beginning of 2005.

2011.07.09 13:05

FOREING TRADES AND TRENDS

Trades	Import	Export
Average (2006-2010)	1 215 408	42 200

Trends

- ✓ Foreign trade data indicates the lack of supplying the demand (30%), and an obvious passive balance of the trade, although the tendency in decreasing the import and increasing the export values in the last 3 years.
- ✓ The rate of table grapes is regularly increasing in imported materials due to the problem of wine sector.

2008.04.12 17:06

QUARANTINE RULES FOR IMPORTATION OF GRAPEVINE PLANTING MATERIALS

Imported grapevine vegetal materials should be freed from the following pathogenic organisms according to the Turkish Plant Quarantine Regulations:

Virus diseases

Grapevine fanleaf virus

Grapevine leafroll viruses

Arabis mosaic virus

Tomato black ring virus

Strawberry latent ring spot virus

Raspberry ring spot virus

Bacterial diseases

Agrobacterium vitis

Xylophilus ampelinus

Fungal diseases

Elsinoe ampelina

Phymatottrichopsis omnivora

Phytoplasma

Flavescence doree

Nematodes

Meloidogyne spp

Xiphinema spp

2010.06.25 18:55

GRAPEVINE CERTIFICATION SCHEME WITHIN TURKEY

(Adapted from EPPO Certification Scheme)



Although this certification scheme is prevailed for 14 years, only a few nurseries established their "certified stock collections" to produce certified vegetal materials ,means that our certification system has not been ready yet to be in accreditation with EC regulations.

GRAFTED VINE PRODUCTION



FIELD GRAFTING

- ✓ Methods used for field grafting widely varied with the location and the age of the rootstock.
- ✓ Scion grafts (cleft or notch) are mostly preferable for both field grafting and top-working to change the varieties, instead of budding.
- ✓ Chip-budding made by hand or specially designed machines is becoming popular for thin rootstocks and also top-working.



THANKS TO...

**Prof. Dr. Menşure Çelik
Agr. Eng. Aytekin Ertan**

and

**Organizing and Scientific Committee of
21st International Geisenheim Conference
on Grapevine Propagation**

2009.04.19 07:24