

NEW TABLE GRAPE VARIETIES CROSS-BRED IN TURKEY

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ABSTRACT

As the results of cross-breeding programmes to obtain new superior table grape varieties in Yalova Atatürk Central Horticultural Research Institute (YACHRI) since 1973, and Tekirdağ Viticultural Research Institute (TVRI) since 1974; 8 new cultivars of YACHRI (Uslu "very early with dark-red, medium-large size, oval, seeded berries"; Yalova Misketi "early with green-yellow, medium-large size, oval, seeded berries"; Yalova Misketi "early with dark blue, medium size, round, seeded berries"; Yalova Çekirdeksizi "mid-early with green-yellow, medium size, round, seedless berries"; Atasarısı "mid-late with green-yellow, very large, ovoid, seeded berries"; Ergin Çekirdeksizi "early with green-yellow, medium size, round; Samancı Çekirdeksizi "mid season with green-yellow, medium size, round, seedless berries") and 5 new cultivars of TVRI (Barış "mid season with yellow-green, medium size, round, seedless berries"; Trakya İlkeren "very early with dark blue, large round, seeded berries"; Tekirdağ Çekirdeksizi "mid season with dark red, medium size, round, seedless berries"; 2B-56 "mid season with black, small-medium size, oval, seedless berries"; 3A-261 "mid season with yellow, medium size, elliptic, seedless berries") were released and registered between 1988 and 1996.

INTRODUCTION

Turkey with its distinguished geography and climate is the origin of grape growing and wine making in the world. As a result of this privileged situation, there is a very rich germplasm potential of both indigenous or wild genotypes of *Vitis vinifera* L. in all over the country (1). Turkey is also one of the leading countries of the world's viticulture with its acreage (570.000 ha) and production (3.700.000 tons), particularly with its raisins and table grapes (3).

Although the number of grape varieties grown in different regions of Turkey is about 1200 which were maintained in a national repository in Tekirdağ Viticultural Research Institute (1,5), only 35 of them are valuable in the standard table grape category, and mostly they are mid-season varieties (2,4). Cross-breeding programmes to obtain new early and late ripening, large berried seedless and seeded table grape varieties were started in Yalova Atatürk Central Horticultural Research Institute (YACHRI) in 1973 and Tekirdağ Viticultural Research Institute (TVRI) in 1974 (3).

NEW TABLE GRAPE VARIETIES OF YALOVA ATATÜRK CENTRAL HORTICULTURAL RESEARCH INSTITUTE (YACHRD)

VARIETIES	PARENTS	BERRIES				CLUSTERS	RIPENING	REGISTRATION
		Size	Color	Shape	Seeds			
USLU	Hönüsü x S. Gemre	Mid-Large	Dark Red	Oval	Seeded	Mid-Large	Very early	1988
YALOVA İNCİSİ	Hönüsü x S. Gemre	Mid-Large	White	Oval	Seeded	Mid-Large	Early	1988
YALOVA MİSKETİ	Royal x P. Csaba	Medium	Dark Blue	Round	Seeded	Medium	Early	1988
YALOVA ÇEKİRDEKSİZİ	D.Beirut x Perlette	Medium	White	Round	Seedless	Medium	Mid-Early	1988
ATASARISI	Chaus x Cardinal	Very large	White	Ovoid	Seeded	Very large	Mid-Late	1988
ERGİN ÇEKİRDEKSİZİ	D.Beirut x Perlette	Medium	White	Round	Seedless	Large	Early	1991
YALOVA BEYAZI	Chaus x Cardinal	Large	White	Round	Seeded	Mid-Large	Early	1994
SAMANCI ÇEKİRDEKSİZİ	B.Şam x Cardinal	Medium	White	Round	Seedless	Mid-Large	Mid-Season	1996

NEW TABLE GRAPE VARIETIES OF TEKİRDAĞ VITICULTURAL RESEARCH INSTITUTE (TVRI)

VARIETIES	PARENTS	BERRIES				CLUSTERS	RIPENING	REGISTRATION	
		Size	Color	Shape	Seeds			Period	Year
BARIŞ	Cardinal x B. Seedless	Medium	White	Round	Seedless	Medium	Mid-Season		1993
TRAKYA İLKEREN	A. Lavallée x Perlette	Large	Dark Blue	Round	Seeded	Medium	Very early		1993
TEKİRDAĞ ÇEKİRDEKSİZİ	A. Lavallée x Sultani	Medium	Dark Red	Round	Seedless	Medium	Mid-Season		1993
2B-56	Elhamra x Perlette	Small-Med.	Black	Oval	Seedless	Large	Mid-Season		1993
3A-261	Emperor x Sultani	Medium	White	Elliptic	Seedless	Large	Mid-Season		1993

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