

The Behavior During Production of New Varieties for White Wine, Created at SCDVV Blaj

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SUMMARY

The research undertaken at SCDVV Blaj, aimed at creating new varieties of vines that provide grapes for wine production, in the idea of a continuing diversification, led to the prospect of obtaining valuable elites, approved as new varieties: Astra (1995), Blasius (1994), Selena (1995). The value of vine varieties destined for obtaining high quality white wines is given by the level and consistency of grape production, as well as the quality of the yield, both defined by the ability to accumulate sugars in the grape grain (Cristea, 1994, 1998; Moldovan, 1998). The study of the production behaviour of the new varieties was conducted over a period of three years (2008-2010), and was compared with the witnesses Fetească regală 21 and Traminer roz 60. The varieties Blasius and Astra demonstrated a high production capacity at an accumulation level of sugars between 184-190 g/l, exceeding the witness Fetească regală 21. The variety Selena surpasses the witness Traminer roz 60 in grape production, with an average of 40%, while the grape quality remains comparable. A special characteristic of the variety Selena is that it can be used to obtain Traminer type wines. The new varieties created by SCDVV Blaj complete the viticultural range and are designed for the production of high quality white wines as well as the production of wines that can be used as raw material for sparkling wines. It is recommended that these vine varieties are grown in the viticultural centres of the Târnave vineyard.

Tab. 1
 Production and quality elements of the new vine varieties created by SCDVV Blaj (average values 2008-2010)

Variety	% fertil shoots	Fertility coefficient		Average weight of a grape -g-	Grape production Kg/block	Quality of the grape	
		CFR	CFA			Sugar g/l	Acidity g/l H ₂ SO ₄ .
Astra	48	0,7	1,4	165	3,45	190	5,9
Blasius	57	0,8	1,4	212	4,63	184	6,4
Fetească regală 21 witness	81	1,2	1,5	109	2,14	181	5,2
Selena	53	0,7	1,4	153	3,74	188	6,0
Traminer roz 60 witness	43	0,8	0,9	106	1,48	184	5,0

Keywords: new vine varieties, behaviour during production

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