Bulletin UASVM, Horticulture 68(1)/2011
Print ISSN 1843-5254; Electronic ISSN 1843-5394

Studies Regarding the Quality of the Viticultural Breeding Material in the Vine Center Blaj

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SUMMARY

Obtaining efficient yields in the wine center Blaj, as well as quality vine grafts is conditioned by a complex of technological and climatic factors. The quality of the initial material (graft and rootstock) is determined by the agro technical methods that were used. But the climatic factors from the active vegetation period and the resting period also have an important role (Ţâra *et al.*, 1992, 1994). Knowing the maturation degree of the wood contained in the graft and rootstock cords (the content in carbohydrates: soluble sugars and starch) can be considered an important indicator that shows the deployment of the physiological processes taking place during the vegetation period (Iliescu *et al.*, 2010). The study conducted at SCDVV Blaj followed the maturation degree of the graft and rootstock strings, during the period 2008 – 2010 in correlation with the annual climatic factors and the vine yields obtained. During the study period the carbohydrates contained in the graft and rootstock varieties from the Tarnave vineyards was dosed and it was correlated with the suitability of the meteorological factors.

Tab. 1

Maturation of the string graft and rootstock

Variety string or rootstock	The carbohydrate content depending on the favorability of the meteorological factors (total content, g%)		
	2008	2009	2010
Fetească regală – 21 Bl	16,09	16,59	15,57
Sauvignon blanc – 9 Bl	17,10	16,45	16,80
Riesling italian – 3 Bl	13,47	13,82	14,10
Muscat Ottonel – 12 Bl	17,50	17,21	17,30
Traminer roz – 60 Bl	17,60	17,03	17,80
SO 4-4	15,14	17,82	14,00
C 71	16,24	16,42	14,50
C26	15,22	17,37	13,90

Keywords: wood maturation, graft and rootstock strings, climatic factors

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