

The Behaviour of Some Vine Varieties that Were Recommended for the Sustainable Culture System, when Attacked by the Mite *Calepitrimerus vitis* (Nalepa)

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SUMMARY

The behaviour of some vine varieties when attacked by the mite *Calepitrimerus vitis* (Nalepa), the agent that causes acariosis, is not only extremely diverse, but also inconsistent. Some varieties are resistant under certain conditions (locations), while others are more sensitive. Some varieties, such as Fetească regală, Chardonnay, Muscat Ottonel, are known to be susceptible towards the attack of the mite *Calepitrimerus vitis*. In the Târnave vineyards, from all the pests that attack the grape vine, *Calepitrimerus vitis* (Nalepa), the agent of acariosis is the most dangerous. The attack has multiple consequences: a delayed maturation of the grapes, a reduction in the formation of fruit buds, an increase of the freezing risk of the culture, up to 40% crop losses, the weakening and disappearance of young vines. The experiments were placed in the plantations of the Tarnave vineyards, in 4 different locations cultivated with the varieties: Fetească regală, Chardonnay, Pinot Gris, Traminer roz, Muscat Ottonel, Neuburger, Sauvignon, Iordana, Fetească albă, Blasius, Selena. This paper contains and interprets data collected between 2008 and 2010. By analysing the varieties included in this study, we have reached the conclusion that the average number of stocks with foliar symptoms for each variety recorded values from 47% in the variety Chardonnay, up to 1% for the variety Selena. In the Tarnave vineyards, the studied vine varieties, that are not only representative for this area, but also of great economical importance, showed a remarkable sensitivity to the acariosis attack (Tomoiagă, 2006; Denizhan, 2010).

Tab. 1

Average number of stocks with foliar attack symptoms during the years 2008-2010

Variety	2008 (Ga %)	2009 (Ga %)	2010 (Ga %)
Feteasca regala	9	8	18
Chardonnay	20	12	47
Pinot Gris	19	7	24
Traminer roz	5	18	23
Muscat Ottonel	6	4	21
Neuburger	12	3	20
Sauvignon blanc	21	17	18
Iordana	7	16	12
Feteasca Alba	5	20	5
Blasius	10	4	2
Selena	12	9	1

Keywords: average, stocks, foliar attack

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